The Economic Importance of Food and Fiber

A Spotlight on Tattnall County, Georgia

Prepared for:
Tattnall County Cooperative Extension
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by:
The Center for Agribusiness and Economic Development
College of Agricultural and Environmental Sciences
The University of Georgia
Agriculture in Georgia

- Georgia's 2005 Farm Gate Value was $10.6 billion. Adding the value of landscape services increased the total agricultural production value to $12.3 billion.

- Total food and fiber production and directly related businesses account for a $52.7 billion output impact on Georgia's $614 billion economy.
Production Agriculture: 2005

Georgia Total Agricultural Production Value
$12.3 Billion

- Poultry & Eggs: 36.7%
- Row & Forage Crops: 13.0%
- Livestock & Aquaculture: 10.6%
- Vegetables: 5.2%
- Or­­­­­­­­­­­namental Horticulture: 7.3%
- Forestry & Products: 5.7%
- Other Income: 5.4%
- Fruits & Nuts: 2.2%
- Landscape services: 14.0%

2005 Farm Gate Value by County in Millions of Dollars
2005 Farm Gate Value in Tattnall Co. was $232.9 million. Adding $9.7 million of landscape services increased the total agricultural production value to $242.7 million.

The highest value commodity group was poultry-eggs, representing 53.6% of the total agricultural production value.
Tattnall County
2005 Agricultural Production Value

2005 Agricultural Production
- Poultry-Eggs: 53.6%
- Row-Forage crops: 5.6%
- Livestock-Aquaculture: 5.5%
- Forestry: 3.4%
- Vegetables: 22.3%
- Fruits-Nuts: 2.4%
- Orn Hort: 0.1%
- Other & Agritourism: 3.2%
- Landscape services: 4.0%

2005 Top Farm Gate Commodities
- Broilers: 50.8%
- Total AG Value = $242.7 million
Trends in Tattnall County:
Number of Farms & Average Farm Size

Source: 1945-2002 (quinquennial) Censuses of Agriculture
Trends in Tattnall County: Land in Farms & Farms by Size

Land in Farms Tattnall County

Percent of Farms by Size, 2002

Source: 1945-2002 (quinquennial) Censuses of Agriculture
Trends in Tattnall County
Number of Farms by Commodity

Source: 1987-2002 (quinquennial) Censuses of Agriculture
How Do We Compare?

Georgia, Tattnall and Surrounding Counties
Farm Gate Value

Sources: 2002 Census of Agriculture and 2005 Farm Gate Value Report
What We Did

- The Center for Agribusiness and Economic Development performed an analysis of the county’s economy, focusing on the role of food and fiber.
What We Asked

County Economy Modeled

- How much of the county’s total current economic output comes from food and fiber production and directly related processing? (A Snapshot of the Economy)

- What is the total (direct and indirect) Impact of food and fiber production and directly related industries?
### Tattnall County Economy

#### Agriculture OUTPUT

<table>
<thead>
<tr>
<th>Sector</th>
<th>Output in $ Millions</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>242.656</td>
<td>34.5</td>
</tr>
<tr>
<td>Mining</td>
<td>2.798</td>
<td>0.4</td>
</tr>
<tr>
<td>Construction</td>
<td>29.106</td>
<td>4.1</td>
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<tr>
<td>Manufacturing</td>
<td>49.456</td>
<td>7.0</td>
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<tr>
<td>Trans-Utilities-Info</td>
<td>36.409</td>
<td>5.2</td>
</tr>
<tr>
<td>Trade</td>
<td>60.699</td>
<td>8.6</td>
</tr>
<tr>
<td>Finance-Ins-RE</td>
<td>27.057</td>
<td>3.8</td>
</tr>
<tr>
<td>Services</td>
<td>97.657</td>
<td>13.9</td>
</tr>
<tr>
<td>Government</td>
<td>157.097</td>
<td>22.3</td>
</tr>
</tbody>
</table>

**Total County Economic Output = $702.9 million**
## Tattnall County Economy

### Agriculture + Directly Related Businesses

<table>
<thead>
<tr>
<th>Industry</th>
<th>Output in $ Millions</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture + Direct</td>
<td>279.852</td>
<td>39.8</td>
</tr>
<tr>
<td>Mining</td>
<td>2.798</td>
<td>0.4</td>
</tr>
<tr>
<td>Construction</td>
<td>29.106</td>
<td>4.1</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>12.260</td>
<td>1.7</td>
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<tr>
<td>Trans-Utilities-Info</td>
<td>36.409</td>
<td>5.2</td>
</tr>
<tr>
<td>Trade</td>
<td>60.699</td>
<td>8.6</td>
</tr>
<tr>
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<td>27.057</td>
<td>3.8</td>
</tr>
<tr>
<td>Services</td>
<td>97.657</td>
<td>13.9</td>
</tr>
<tr>
<td>Government</td>
<td>157.097</td>
<td>22.3</td>
</tr>
</tbody>
</table>

Total County Economic Output = $702.9 million
An Economic Snapshot of Tattnall County

- How much of Tattnall County’s total economic output comes from food and fiber production?

- AG value alone of $242.7 million consisting of Farm Gate Value and landscape services comprises 34.5% of the county’s economy.

- AG plus directly related businesses (ex. logging, sawmills, etc.) comprise 39.8% of the county’s economy.
Food and Fiber Production, Processing and Direct Manufacturing as % of Total Output

Tattnall Co. 39.8%
What is the Impact?

- What is the total (direct and indirect) impact of food and fiber production and directly related industries?

- This scenario illustrates how other industries are affected by the presence of food and fiber in the county. The indirect impacts measure output created due to food and fiber production and processing in the county.
What Impact Means: A Brief Explanation

- The *impact* numbers capture the ripple effects that food and fiber create in the county’s economy. Many other sectors rely in part on the existence of food and fiber for sales.
# Tattnall County

## Agriculture IMPACT

<table>
<thead>
<tr>
<th>Industry</th>
<th>Direct $ Millions</th>
<th>Indirect $ Millions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>242.656</td>
<td>0</td>
</tr>
<tr>
<td>Mining</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Construction</td>
<td>0</td>
<td>0.433</td>
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<tr>
<td>Manufacturing</td>
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<td>0.367</td>
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<td>Trans-Utilities-Info</td>
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<td>7.996</td>
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<td>Trade</td>
<td>0</td>
<td>14.492</td>
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<tr>
<td>Finance-Ins-RE</td>
<td>0</td>
<td>4.129</td>
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<td>Services</td>
<td>0</td>
<td>11.531</td>
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<tr>
<td>Government</td>
<td>0</td>
<td>12.311</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>242.656</strong></td>
<td><strong>51.257</strong></td>
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</table>

Total Impact of Production AG=$294 million—41.8% of total economy
## Tattnall County
### Production Agriculture + Directly Related Businesses IMPACT

<table>
<thead>
<tr>
<th>Industry</th>
<th>Direct $ Millions</th>
<th>Indirect $ Millions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture + Direct</td>
<td>279.852</td>
<td>0.000</td>
</tr>
<tr>
<td>Mining</td>
<td>0</td>
<td>0.000</td>
</tr>
<tr>
<td>Construction</td>
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<td>0.459</td>
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<tr>
<td>Manufacturing</td>
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<td>0.457</td>
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<tr>
<td>Trans-Utilities-Info</td>
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<td>8.395</td>
</tr>
<tr>
<td>Trade</td>
<td>0</td>
<td>15.956</td>
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<tr>
<td>Finance-Ins-RE</td>
<td>0</td>
<td>4.710</td>
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<tr>
<td>Services</td>
<td>0</td>
<td>12.926</td>
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<tr>
<td>Government</td>
<td>0</td>
<td>13.269</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>279.852</strong></td>
<td><strong>56.171</strong></td>
</tr>
</tbody>
</table>

Total Impact of AG+Directly Related = $336 million—47.8% of total economy
## Tattnall County
**Production Agriculture + Directly Related Industries Employment IMPACT**

<table>
<thead>
<tr>
<th>Industry</th>
<th>Direct</th>
<th>Indirect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture + Direct</td>
<td>2,713</td>
<td>0</td>
</tr>
<tr>
<td>Mining</td>
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<td>6</td>
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<tr>
<td>Manufacturing</td>
<td>0</td>
<td>5</td>
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<tr>
<td>Trans-Utilities-Info</td>
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<td>96</td>
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<tr>
<td>Trade</td>
<td>0</td>
<td>281</td>
</tr>
<tr>
<td>Finance-Ins-RE</td>
<td>0</td>
<td>37</td>
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<tr>
<td>Services</td>
<td>0</td>
<td>273</td>
</tr>
<tr>
<td>Government</td>
<td>0</td>
<td>17</td>
</tr>
</tbody>
</table>

**Total Impact of AG + Directly Related Employment = 3,427 Jobs**
What These Numbers Mean:
A Brief Explanation

- **Direct** impact is $279.8 million. This includes food and fiber production, processing and directly related manufacturing.

- **Indirect** impact from the Trade sector is $16 million. This captures the effects of farmers (direct source) buying supplies (seed, fertilizer, work boots) from local stores. These stores must increase their output to meet farmer demand.
As local stores increase their output, they may demand more stock from local wholesalers (also in the Trade sector). Local wholesalers demand more from local manufacturers, thus increasing activity in the Manufacturing sector.

Local stores also hire employees to assist farmers. They take home wages and buy groceries at the local store which increases demand there.
The total *impact* of food and fiber production, processing and direct manufacturing is $336 million.

The total *output* is $702.9 million.

Thus, food and fiber (directly and indirectly) account for 47.8% of the total output.
Food and Fiber Production, Processing and Direct Manufacturing Impact as % of Total Output

Tattnall Co. 47.8%
Contact Information

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Center for Agribusiness & Economic Development

“Adding Value to Georgia's Agricultural Economy
Through Research and Extension”

To learn more about your county, go to:
http://www.caed.uga.edu/
...click on “Georgia Statistics System”

Special County Area Report
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