The Economic Importance of Food and Fiber

A Spotlight on Hart County, Georgia

Prepared for Hart County Cooperative Extension
January, 2010

by:
The Center for Agribusiness and Economic Development
College of Agricultural and Environmental Sciences
The University of Georgia
Total Population
Hart County

Primary data sources: U.S. Census Bureau, decennial censuses & estimate; CAED (Center for Agribusiness & Economic Development).
Population Change: 2000-2008

Hart Co. = 5.6%
Avg. GA County = 11.2%
GA = 18.3%
US = 8.0%

Primary data source: U.S. Census Bureau (3/09)
% of Land in Cropland & Timberland

Hart Co. = 58%
GA Avg. Co. = 76%
GA Total = 78%
GA Metro = 68%
GA Nonmetro = 83%

Primary data sources:
U.S. Census of Agriculture, 2007
USDA Forest Service, 2007

Graphic by Center for Agribusiness & Economic Development, UGA
Components of 2008 Property Tax Gross Digest
Hart County

40% Assessment Value of Property
Gross Digest = $1,126,000,711
Homestead & Property Exemptions = $141,100,665
Net M&O Digest = $984,900,046
Value of exempt property = $45,348,374
* Timber taxed at 100% based on previous year sales
## County Property Tax Digest Comparisons: 2008

<table>
<thead>
<tr>
<th>County</th>
<th>% Residential</th>
<th>% Agricultural</th>
<th>% Commercial</th>
<th>% Industrial</th>
<th>% Utility</th>
<th>% Motor Veh</th>
<th>% Mobile Home</th>
<th>% Timber</th>
</tr>
</thead>
<tbody>
<tr>
<td>HART</td>
<td>57.6</td>
<td>20.1</td>
<td>6.7</td>
<td>6.3</td>
<td>2.8</td>
<td>5.7</td>
<td>0.8</td>
<td>0.04</td>
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<tr>
<td>ELBERT</td>
<td>38.9</td>
<td>29.0</td>
<td>13.7</td>
<td>5.6</td>
<td>3.6</td>
<td>7.7</td>
<td>1.1</td>
<td>0.39</td>
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<tr>
<td>MADISON</td>
<td>44.0</td>
<td>34.7</td>
<td>4.6</td>
<td>1.6</td>
<td>5.5</td>
<td>8.1</td>
<td>1.4</td>
<td>0.12</td>
</tr>
<tr>
<td>FRANKLIN</td>
<td>32.4</td>
<td>38.2</td>
<td>15.3</td>
<td>3.7</td>
<td>2.3</td>
<td>7.1</td>
<td>1.1</td>
<td>0.03</td>
</tr>
<tr>
<td>STEPHENS</td>
<td>57.0</td>
<td>6.4</td>
<td>13.7</td>
<td>11.7</td>
<td>3.5</td>
<td>6.7</td>
<td>1.0</td>
<td>0.02</td>
</tr>
<tr>
<td>BANKS</td>
<td>38.1</td>
<td>34.9</td>
<td>12.6</td>
<td>3.1</td>
<td>3.1</td>
<td>7.0</td>
<td>1.2</td>
<td>0.09</td>
</tr>
<tr>
<td>Avg. GA Co.</td>
<td>42.3</td>
<td>24.6</td>
<td>12.6</td>
<td>6.9</td>
<td>4.8</td>
<td>7.0</td>
<td>1.0</td>
<td>0.72</td>
</tr>
</tbody>
</table>

Primary data source: GA Dept. of Revenue (preliminary 5/15/09—Fulton Co. digest not verified)
Revenue : Expenditure Ratios

$ of Revenue for Each $ of Expenditure

- **Farm/Forest**
  - Cherokee: $1.92
  - Jones: $2.86
  - Carroll: $1.18
  - Oconee: $1.25
  - US Avg: $2.70

- **Commercial**
  - Cherokee: $1.93
  - Jones: $3.19
  - Carroll: $1.25
  - Oconee: $1.17
  - US Avg: $3.45

- **Residential**
  - Cherokee: $0.64
  - Jones: $0.87
  - Carroll: $0.87
  - Oconee: $0.83
  - US Avg: $0.87

Agriculture in Georgia

- Georgia's 2008 Farm Gate Value was $11.9 billion. Adding the value of landscape services increased the total agricultural production value to $14 billion.

- Total food and fiber production and directly related businesses account for a $65 billion output impact on Georgia's $787 billion economy.
Production Agriculture: 2008

Georgia Total Agricultural Production Value
$11.9 Billion

2008 Farm Gate Value by County in Millions of Dollars

- $0 - $20
- $20 - $45
- $45 - $80
- $80 - $200
- $200 - $442
2008 Farm Gate Value in Hart Co. was $284 million. Adding $1.5 million of landscape services increased the total agricultural production value to $285.5 million.

The highest value commodity group was poultry/eggs, representing 88% of the total agricultural production value.
Hart County
2008 Agricultural Production Value

2008 Agricultural Production

- Poultry-Eggs: 87.7%
- Row-Forage crops: 1.7%
- Orn Hort: 3.7%
- Veges-Fruits-Nuts: 0.2%
- Forestry: 0.2%
- Other: 0.3%
- Landscape services: 0.5%

2008 Top Farm Gate Commodities

- Broilers: 59.1%
- Layers: 26.3%
- Breeder Pullet Unit: 2.8%
- Field Nursery: 1.8%
- Dairy: 1.5%
- Beef: 2.3%
- Pork Nursery: 1.3%
- Container Nursery: 1.1%
- Greenhouse: 0.8%
- Hay: 0.5%
- Rest of Commodities: 2.4%

Total AG Value = $285.5 million
Trends in Hart County:
Number of Farms & Average Farm Size

Source: 1945-2007 (quinquennial) Censuses of Agriculture
Trends in Hart County:
Land in Farms, Harvested Cropland & Farms by Size

Land in Farms & Harvested Cropland
Hart County

Percent of Farms by Size, 2007

Source: 1945-2007 (quinquennial) Censuses of Agriculture
Trends in Hart County
Number of Farms by Commodity

Source: 1997-2007 (quinquennial) Censuses of Agriculture
How Do We Compare?

Georgia, Hart and Surrounding Counties

Farm Gate Value

$ Per Farm (thousands)  $ Per Acre

Georgia  $1,176  $249
Hart  $4,034  $432
Elbert  $1,798  $223
Madison  $4,057  $403
Franklin  $4,628  $442
Stephens  $4,393  $340

Sources: 2007 Census of Agriculture and 2008 Farm Gate Value Report
What We Did
County Economy Modeled

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

- 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?
### Hart County Economy

**Agriculture OUTPUT**

<table>
<thead>
<tr>
<th>Industry</th>
<th>Output in $ Millions</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>285.524</td>
<td>21.7</td>
</tr>
<tr>
<td>Mining</td>
<td>11.581</td>
<td>0.9</td>
</tr>
<tr>
<td>Construction</td>
<td>62.414</td>
<td>4.7</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>455.014</td>
<td>34.6</td>
</tr>
<tr>
<td>Trans-Utilities-Info</td>
<td>99.444</td>
<td>7.6</td>
</tr>
<tr>
<td>Trade</td>
<td>95.761</td>
<td>7.3</td>
</tr>
<tr>
<td>Finance-Ins-RE</td>
<td>89.715</td>
<td>6.8</td>
</tr>
<tr>
<td>Services</td>
<td>147.551</td>
<td>11.2</td>
</tr>
<tr>
<td>Govt + non NAICS</td>
<td>69.846</td>
<td>5.3</td>
</tr>
</tbody>
</table>

**Total County Economic Output = $1.3 billion**
### Hart County Economy
Agriculture + Directly Related Businesses *OUTPUT*

<table>
<thead>
<tr>
<th>Industry</th>
<th>Output in $ Millions</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture + Direct</td>
<td>364.499</td>
<td>27.7%</td>
</tr>
<tr>
<td>Mining</td>
<td>11.581</td>
<td>0.9%</td>
</tr>
<tr>
<td>Construction</td>
<td>62.414</td>
<td>4.7%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>376.038</td>
<td>28.6%</td>
</tr>
<tr>
<td>Trans-Utilities-Info</td>
<td>99.444</td>
<td>7.6%</td>
</tr>
<tr>
<td>Trade</td>
<td>95.761</td>
<td>7.3%</td>
</tr>
<tr>
<td>Finance-Ins-Real Est</td>
<td>89.715</td>
<td>6.8%</td>
</tr>
<tr>
<td>Services</td>
<td>147.551</td>
<td>11.2%</td>
</tr>
<tr>
<td>Govt + non NAICS</td>
<td>69.846</td>
<td>5.3%</td>
</tr>
</tbody>
</table>

**Total County Economic Output = $1.3 billion**
Hart County Employment
Total Jobs = 8,664

- **State & Federal Government**: 579 (6.7%)
- **Manufacturing**: 1,183 (13.7%)
- **Construction**: 562 (6.5%)
- **Public Education**: 723 (8.3%)
- **AG + Directly Related**: 1,079 (12.5%)
- **Other Services**: 1,668 (19.3%)
- **Professional Services**: 979 (11.3%)
- **Trade**: 1,335 (15.4%)
- **Trans-Utilities-Info**: 311 (3.6%)
- **Finance-Ins-Real Est**: 214 (2.5%)

Primary data source: Center for Agribusiness & Economic Development, UGA
How much of Hart County’s total economic output comes from food and fiber production?

AG value alone of $285.5 million consisting of Farm Gate Value and landscape services comprises 21.7% of the county’s economy.

AG plus directly related businesses (ex. animal slaughtering, logging, sawmills, etc.) comprise 27.7% of the county’s economy.
Food and Fiber Production and Directly Related Manufacturing as % of Total Output

Hart Co. 27.7%
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.
## Hart 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>285.524</td>
<td>0</td>
</tr>
<tr>
<td>Mining</td>
<td>0</td>
<td>0.0001</td>
</tr>
<tr>
<td>Construction</td>
<td>0</td>
<td>0.831</td>
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<tr>
<td>Manufacturing</td>
<td>0</td>
<td>0.081</td>
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<td>Trans-Utilities-Info</td>
<td>0</td>
<td>7.424</td>
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<tr>
<td>Trade</td>
<td>0</td>
<td>8.810</td>
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<td>Finance-Ins-Real Est</td>
<td>0</td>
<td>6.214</td>
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<tr>
<td>Services</td>
<td>0</td>
<td>6.020</td>
</tr>
<tr>
<td>Govt + non NAICS</td>
<td>0</td>
<td>1.055</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>285.524</td>
<td>30.436</td>
</tr>
</tbody>
</table>

**Total Impact of Production AG = $316 million**

24% of total economy
## Hart County
Production Agriculture + Directly Related Businesses **IMPACT**

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<thead>
<tr>
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</thead>
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<td>364.499</td>
<td>0</td>
</tr>
<tr>
<td>Mining</td>
<td>0</td>
<td>0.00001</td>
</tr>
<tr>
<td>Construction</td>
<td>0</td>
<td>1.041</td>
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<tr>
<td>Manufacturing</td>
<td>0</td>
<td>0.124</td>
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<tr>
<td>Trans-Utilities-Info</td>
<td>0</td>
<td>10.054</td>
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<td>Trade</td>
<td>0</td>
<td>11.507</td>
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<td>Finance-Ins-Real Est</td>
<td>0</td>
<td>8.077</td>
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<td>Services</td>
<td>0</td>
<td>8.571</td>
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<tr>
<td>Govt + non NAICS</td>
<td>0</td>
<td>1.420</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>364.499</strong></td>
<td><strong>40.795</strong></td>
</tr>
</tbody>
</table>

**Total Impact of AG + Directly Related = $405.3 million**

**30.8% of total economy**
## Hart 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>1,079</td>
<td>0</td>
</tr>
<tr>
<td>Mining</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Construction</td>
<td>0</td>
<td>13</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Trans-Utilities-Info</td>
<td>0</td>
<td>34</td>
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<tr>
<td>Trade</td>
<td>0</td>
<td>117</td>
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<tr>
<td>Finance-Ins-Real Est</td>
<td>0</td>
<td>20</td>
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<tr>
<td>Services</td>
<td>0</td>
<td>145</td>
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<tr>
<td>Govt + non NAICS</td>
<td>1,079</td>
<td>337</td>
</tr>
</tbody>
</table>

**Total Impact of AG + Directly Related Employment = 1,416 Jobs**

**16.3% of total employment**
What These Numbers Mean: A Brief Explanation

- **Direct** impact is $365 million. This includes food and fiber production, processing and directly related manufacturing.

- **Indirect** impact from the Trade sector is $11.5 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.
What These Numbers Mean:  
A Brief Explanation (continued)

- 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.
Hart County Food and Fiber Impact Conclusions

- The total *impact* of food and fiber production, processing and direct manufacturing is $405.3 million.

- The total county *output* is $1.3 billion.

- Thus, food and fiber (directly and indirectly) account for 30.8% of the total county output.
Food and Fiber Production and Directly Related Manufacturing \textit{IMPACT} as \% of Total Output
Contact Information

Prepared by:
Sue Boatright and Sharon Kane
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
#10-03A
January, 2010