

The Economic Importance of Food and Fiber Production and Processing to Georgia's Rural Economy

Brigid A. Doherty and John C. McKissick
Research Coordinator and Professor and Extension Economist
Department of Agricultural and Applied Economics

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Agriculture is an important component of the Georgia economy. In 1999, Georgia's farm gate value exceeded \$7.9 billion (1999 Farmgate Value Report). Adding the marketing and food distribution system to farm gate production makes food and fiber the largest single sector in the Georgia economy. Food and fiber production, processing and marketing generated sixteen percent of total output in 1997 which equates to a value of \$57 billion (Kriesel and Jones 1997).

However, little research has been conducted to examine the economic role of agriculture in Georgia's counties and the linkage of the production sector to other parts of the local economy. The task undertaken through this study was to determine the economic importance of food and fiber production to each Georgia county. In order to model each county's economy, an input-output model called IMPLAN was employed. The program contains county-level information on the linkage of each economic sector allowing for a model of the total output, employment, and state and federal taxes generated to be formulated from basic economic input.

Three distinct scenarios were modeled for each county in Georgia. In scenario one, the question considered was how much of a county's total current economic output comes from food and fiber production and directly-related industries. This was meant to take a static view of the current economy, ignoring the dependency of each of the sectors of the economy. Scenario two answered the question of what is the total (direct and indirect) effect on the county economy of direct food and fiber production only. In this scenario, each county was "shocked" in the model by the amount of total food and fiber production. This food and fiber production then generates further output as producers buy seed, hire workers, etc. The total number attributed to food and fiber production in this scenario therefore includes not only the direct value of production but also the indirect value generated by the production. Scenario three examines what the total (direct and indirect) impact of food and fiber production and directly related industries are in each county. This scenario is similar to the second, but includes manufacturing industries that are directly dependent on food and fiber production such as logging camps, cotton gins, farm equipment manufacturing etc. A complete list of the businesses included can be found at the end of this paper.

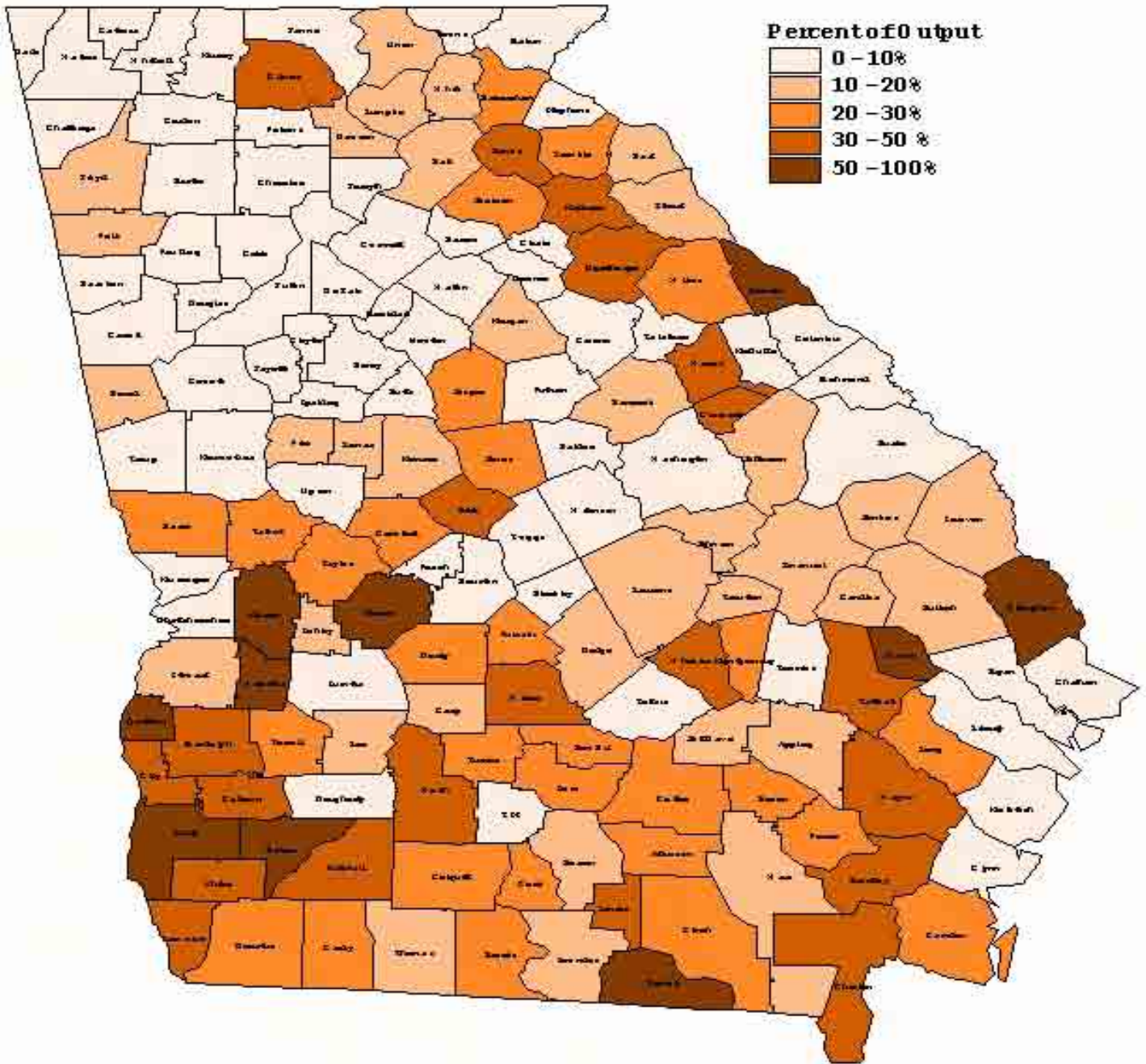
The first scenario is a static view of each county's current economy. Mitchell County will serve as an example county to illustrate each scenario. As table one shows, agriculture (which here includes food and fiber production and processing) generates about \$400 million in output in Mitchell County. Since

total output is approximately \$800 million, food and fiber is 50% of total output for the county. Other major sources of output in Mitchell County are manufacturing (10.9%) and services (8.8%). Figure one shows the results for all the counties in Georgia. Forty-four Georgia counties have food and fiber as their most significant source of output by scenario one standards.

Table One: Mitchell County Example - Scenario One

<u>Industry</u>	<u>Output*</u>	<u>Percent</u>
Agriculture	\$409.213	50.0%
Mining	\$0.000	0.0%
Construction	\$38.102	4.6%
Manufacturing	\$89.351	10.9%
TCPU - (communication, utilities, etc)	\$29.484	3.6%
Trade	\$64.751	7.9%
FIRE - (finance, insurance, real estate)	\$49.532	6.0%
Services	\$71.972	8.8%
Government	\$67.985	8.3%
Other	\$1.001	1.0%
Total	821.392	*Millions

Figure 1: Food and Fiber Production, Processing and Direct Manufacturing Output as a Percent of Total County Output



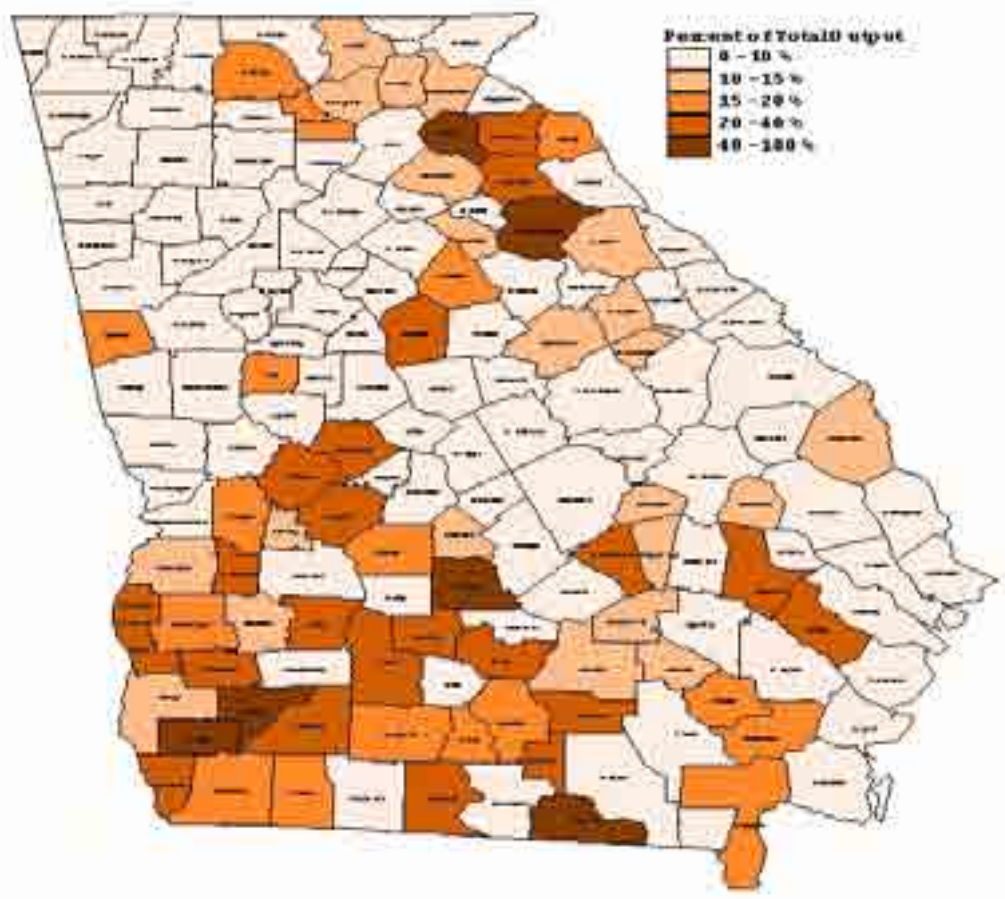
Source: Center for Agribusiness and Economic Development

The second scenario approaches the county economy from a more dynamic view. It shows the total impact on each county of food and fiber production only. Again, consider Mitchell County as an illustration. The data in table two reveals that directly food and fiber production accounts for \$195 million in output. This generated another \$36 million dollars of output in Mitchell County. Of this, \$11.9 million came from trade, \$6.6 from finance, insurance and real estate, and so forth. Figure two shows the impact of food and fiber production on all Georgia counties. Agricultural production alone represented the major economic sector of twenty-two Georgia counties when accounting for both direct and indirect economic impacts.

Table Two: Mitchell County - Scenario Two

<u>Industry</u>	<u>Direct*</u>	<u>Indirect*</u>
Agriculture	\$195.537	\$0
Mining	\$0	\$0
Construction	\$0	\$1.444
Manufacturing	\$0	\$2.452
TCPU - (communications, utilities, ect)	\$0	\$6.392
Trade	\$0	\$11.908
FIRE - (finance, insurance, real estate)	\$0	\$6.624
Services	\$0	\$5.857
Government	\$0	\$1.200
Other	\$0	\$0.108
Total	\$231.524	*Millions

Figure 2. Food and Fiber Production Impact as a Percent of Total Output



Source: Center for Agribusiness and Economic Development

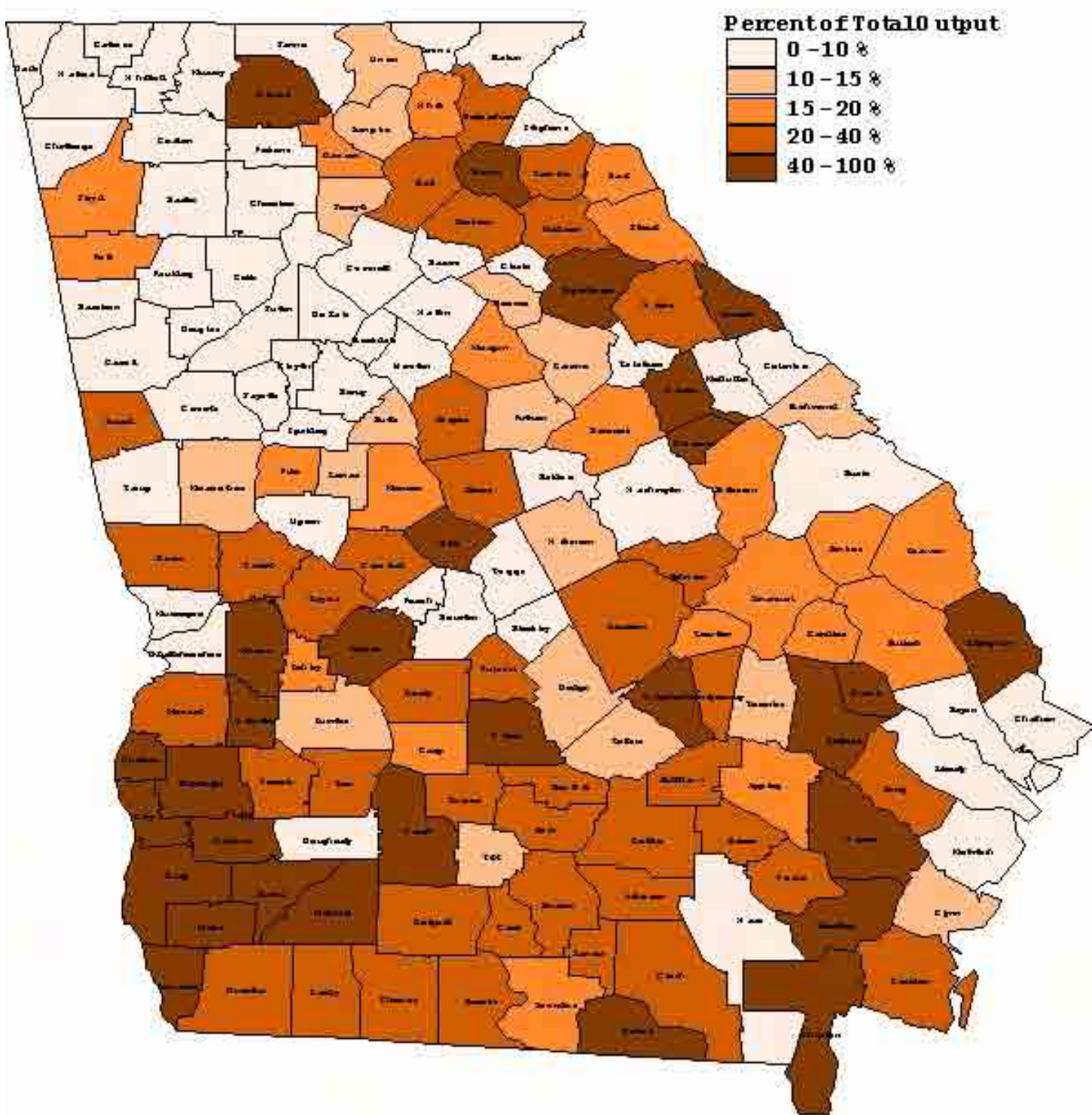
Scenario three is also a dynamic approach to showing food and fiber's importance in Georgia's economy. It expands on the impacts shown in scenario two by adding first level processing and directly related manufacturing to the model. Thus, the impacts of not only production are revealed, but also the impacts of further processing the commodity. In Mitchell County, as

table three demonstrates, food and fiber production and directly related industries compose \$409 million dollars of output. This \$409 million, in turn, creates an additional \$180 million in the county. Figure three illustrates which counties are most impacted by food and fiber. Fifty-three counties were found to have food and fiber as the largest source of output under scenario three. Section three shows all county level results from this part of the study.

Table Three: Mitchell County - Scenario Three

<u>Industry</u>	<u>Direct*</u>	<u>Indirect*</u>
Agriculture	\$409.213	\$0.000
Mining	\$0	\$0.000
Construction	\$0	\$2.632
Manufacturing	\$0	\$1.806
TCPU - (communication, utilities, etc)	\$0	\$13.814
Trade	\$0	\$23.804
FIRE - (finance, insurance, real estate)	\$0	\$13.433
Services	\$0	\$14.023
Government	\$0	\$2.544
Other	\$0	\$0.225
Total	\$591.167	*Millions

Figure 3: Food and Fiber Production, Processing and Direct Manufacturing Impact as a Percent of Total Output



Source: Center for Agribusiness and Economic Development

In conclusion, this research has demonstrated the importance of food and fiber in the state. The farm gate value generated encourages further processing and manufacturing. All of these items aggregated in turn creates more activity in the economy. Without food and fiber production and manufacturing, about one-third of Georgia's counties would lose a major share of their economic activity. Many of the counties which rely most heavily on food and fiber are rural counties as evidenced in the maps. Further, a large proportion of these counties are located in South Georgia. The implication for rural economic development is that a strong food and fiber production and processing base should be fostered in these counties.

A successful rural economic development strategy must maximize returns to the limiting production factor. Labor and capital are mobile resources while land is not. So all steps must be taken to maximize the economic potential of the community's land based resources. Georgia's agricultural advantages include: proximity to large ethnically diversified markets, abundant ground water from rechargeable aquifers, low density crop and animal production (South Georgia) and abundant land with a long growing season. The state of Georgia can foster land based economic development by insuring Georgia producers are able to capitalize on these advantages. State tax policy, natural resource policy, farmland transfer policy, policies to promote formation of value added- producer owned processing, and research and education on the use of alternative enterprises as well the optimal producer use of marketing, production, and financial management tools are among the policy options which can impact the competitive advantage of Georgia's food and fiber industries.

What is considered food and fiber production?

- Traditional crops and livestock
- Forestry
- Ornamental Horticulture - including turfgrass
- Fruits and Vegetables
- Non-traditional crop and livestock - such as honey, catfish, etc.
- Agricultural and landscape services - which includes cotton ginning

What is considered food and fiber processing and direct manufacturing?

- Meat and poultry processing plants
- Fluid milk and milk processing (cheese, butter, etc)
- Canning, freezing and dehydrating of vegetables and fruits
- Salting and roasting of peanuts
- Vegetable and animal oil mills (includes soybeans, cottonseed, etc)
- Cigarettes, Cigars and tobacco stemming and redrying
- Logging camps and sawmills
- Pulp, paper and paperboard mills
- Fertilizer and agricultural chemical manufacturing
- Farm machinery and equipment

References:

1999 Farmgate Value Report. Compiled by Brigid A. Doherty, R. Jeff Teasley, John C. McKissick and Bill Givan. The Center for Agribusiness and Economic Development. College of Agriculture and Environmental Sciences. The University of Georgia, Athens, Georgia. May 2000.

Kriesel, Warren and Yngrid L. Jones. The Economic Importance of the Food and Fiber Sectors in the Georgia Economy. The Center for Agribusiness and Economic Development. College of Agriculture and Environmental Sciences. The University of Georgia, Athens, Georgia. November 1998.

IMPLAN Professional: Social Accounting and Impact Analysis Software. Minnesota IMPLAN Group Inc. Stillwater, Minnesota. June 2000.

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[Food and Fiber Production, Processing and Direct Manufacturing Output as a Percent of Total County Output \(Map\)](#)

[Mining Output as Percent of Total County Output \(Map\)](#)

[Construction Output as Percent of Total County Output \(Map\)](#)

[Non-Direct Food and Fiber Manufacturing Output as a Percent of Total County Output \(Map\)](#)

[Transportation, Communication and Utilities Output as a Percent of Total county Output \(Map\)](#)

[Trade as a Percent of Total County Output \(Map\)](#)

[Finance, Insurance, and Real Estate Output as a Percent of Total County Output \(Map\)](#)

[Service Output as a Percent of Total County Output \(Map\)](#)

[Government Output as a Percent of Total County Output \(Map\)](#)

[Total Output by Major Category for Georgia's Counties \(Table\)](#)

Section 2: Food and Fiber Production in Georgia's Counties 21

[Food and Fiber Production Impact as a Percent of Total Output \(Map\)](#)

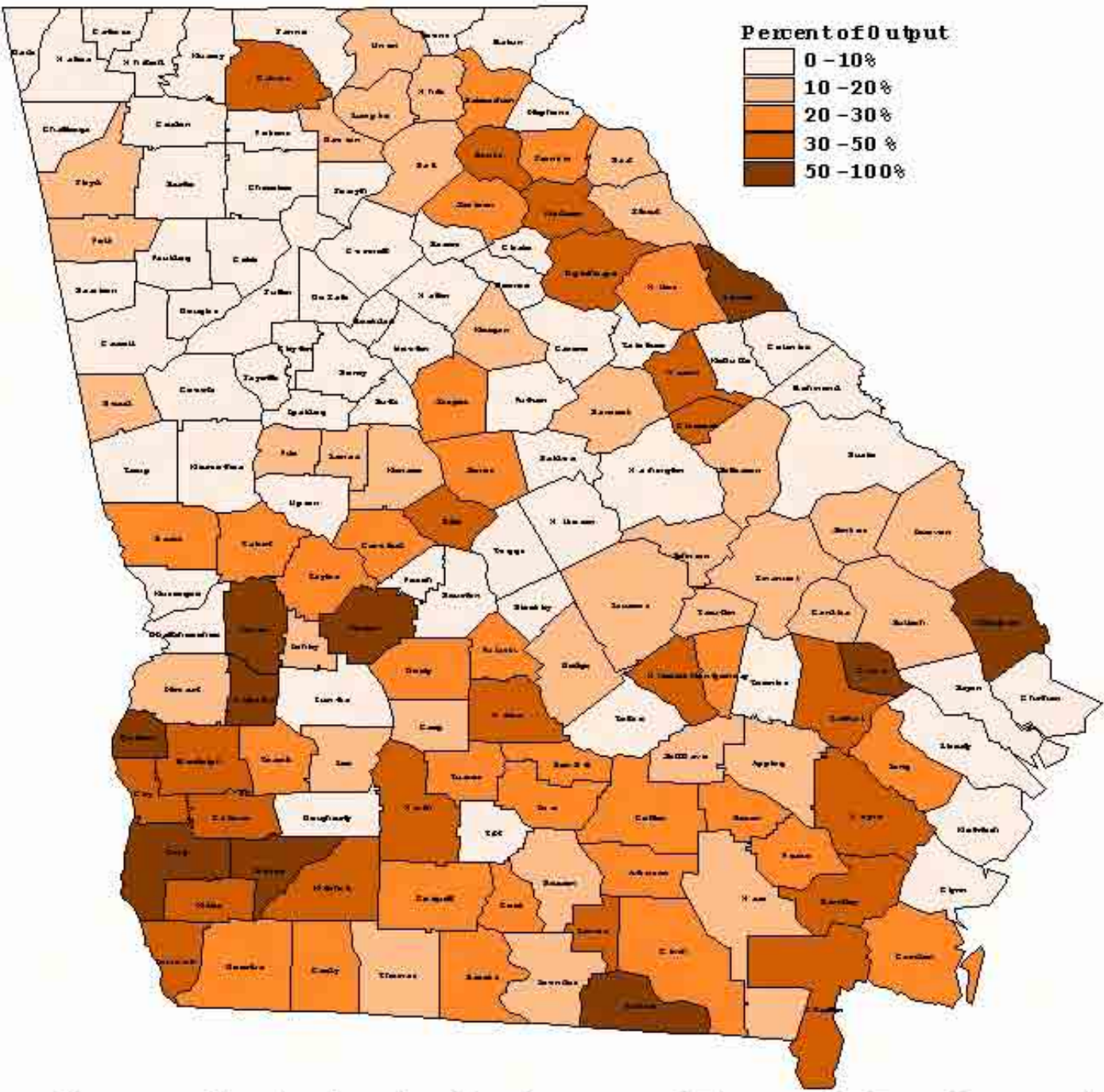
[Food and Fiber Production Impact and Total Output
for Georgia's Counties \(Table\)](#)

Section 3: Food and Fiber Production, Processing and Direct Manufacturing in Georgia's Counties

[Food and Fiber Production, Processing and Direct Manufacturing
Impact as a Percent of Total Output \(Map\)](#)

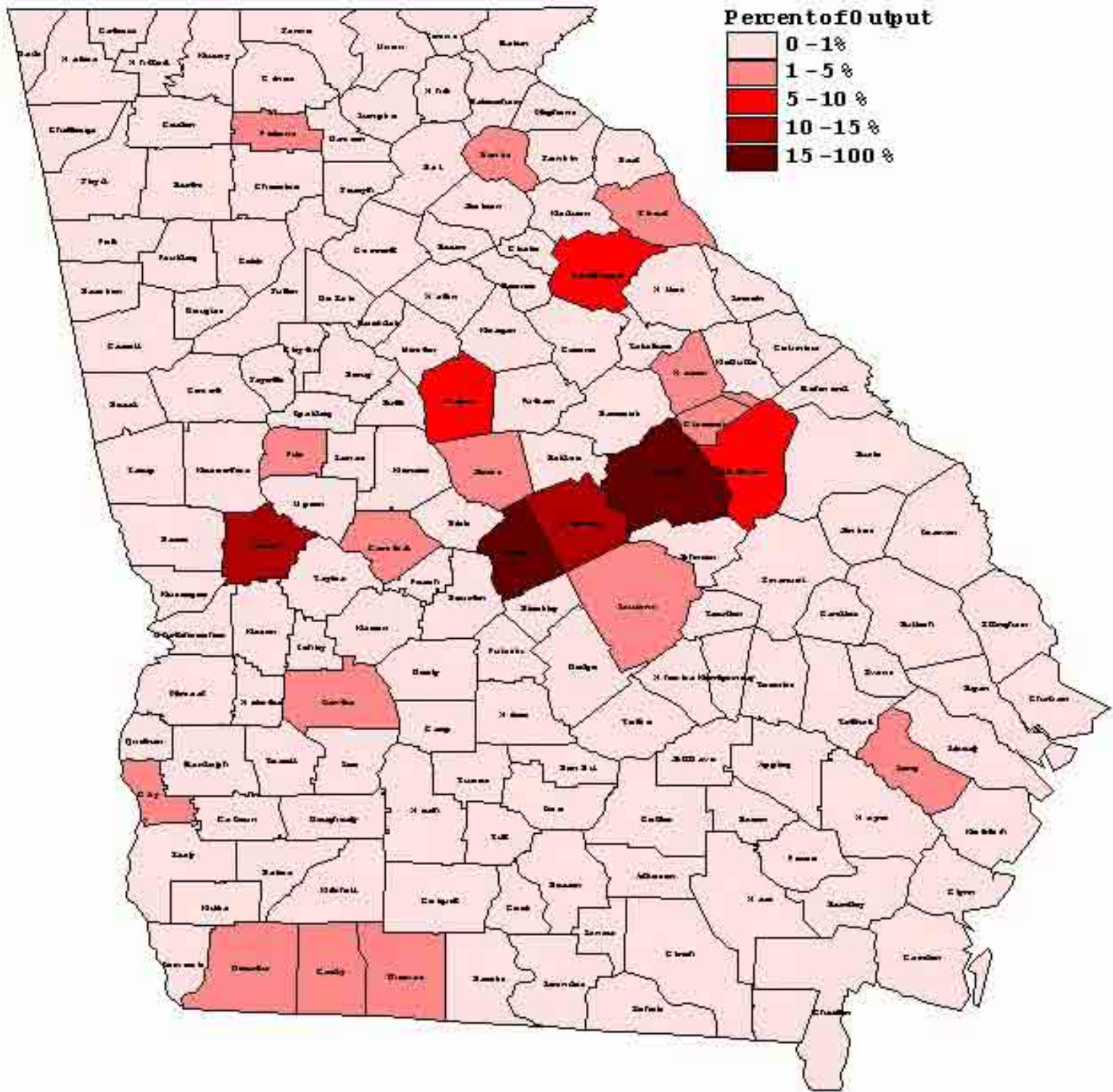
[Output by Major Sector After Accounting for the Impact of Food
and Fiber in Georgia's Counties \(Table\)](#)

Food and Fiber Production, Processing and Direct Manufacturing Output as a Percent of Total County Output



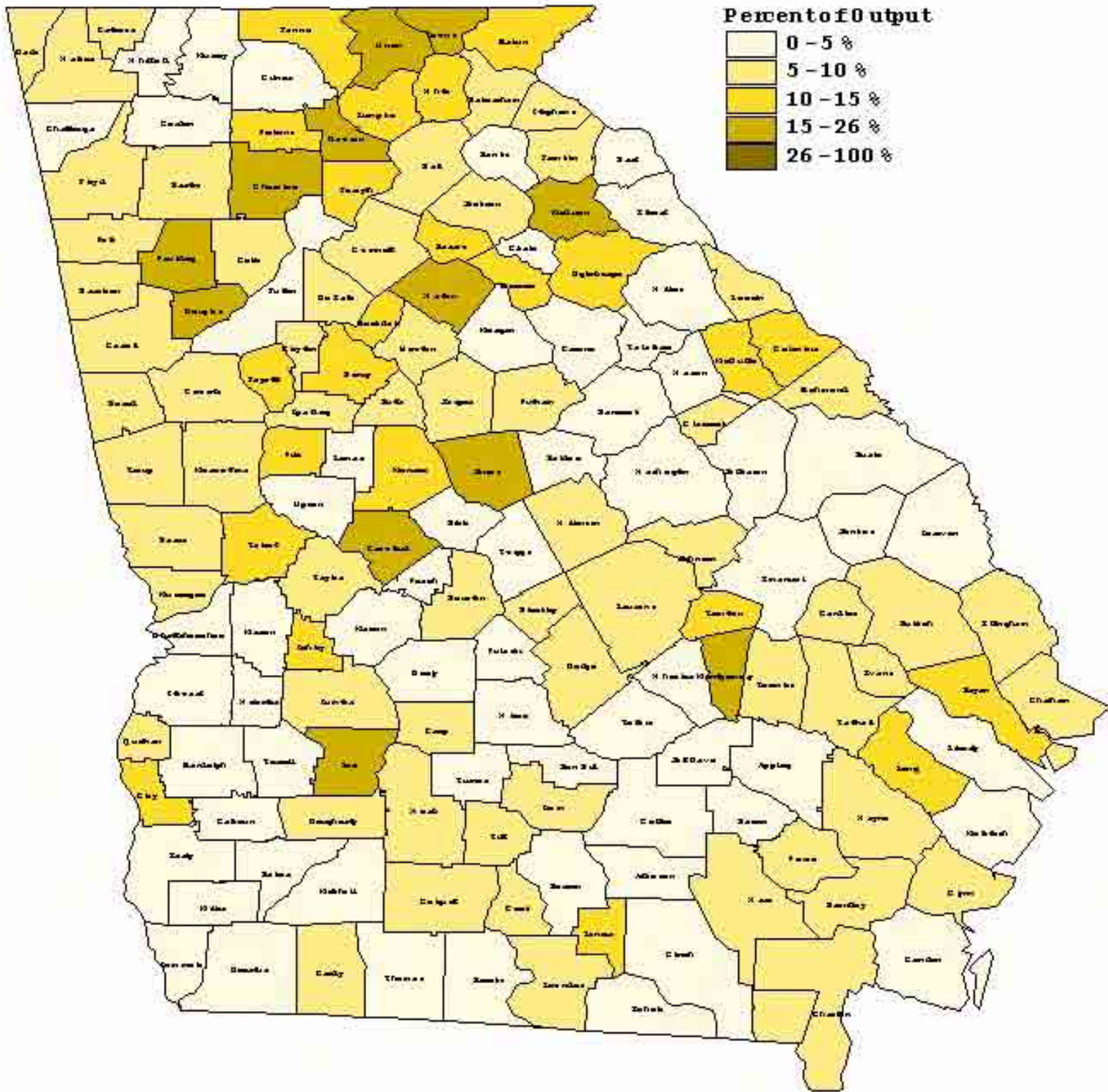
Source: Center for Agribusiness and Economic Development

Mining Output as a Percent of Total County Output



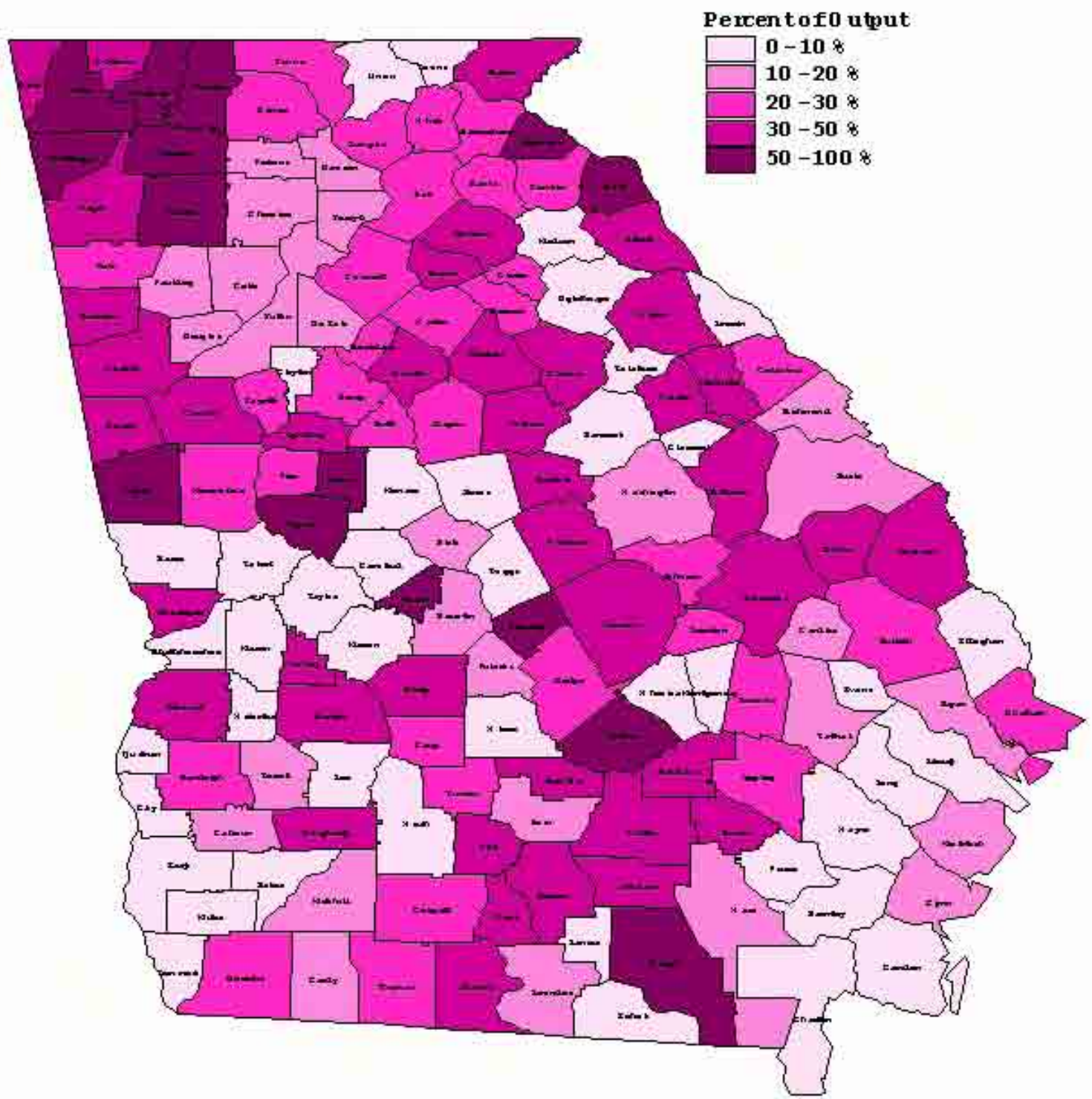
Source: Government Output as a Percent of Total County Output

Construction Output as a Percent of Total County Output



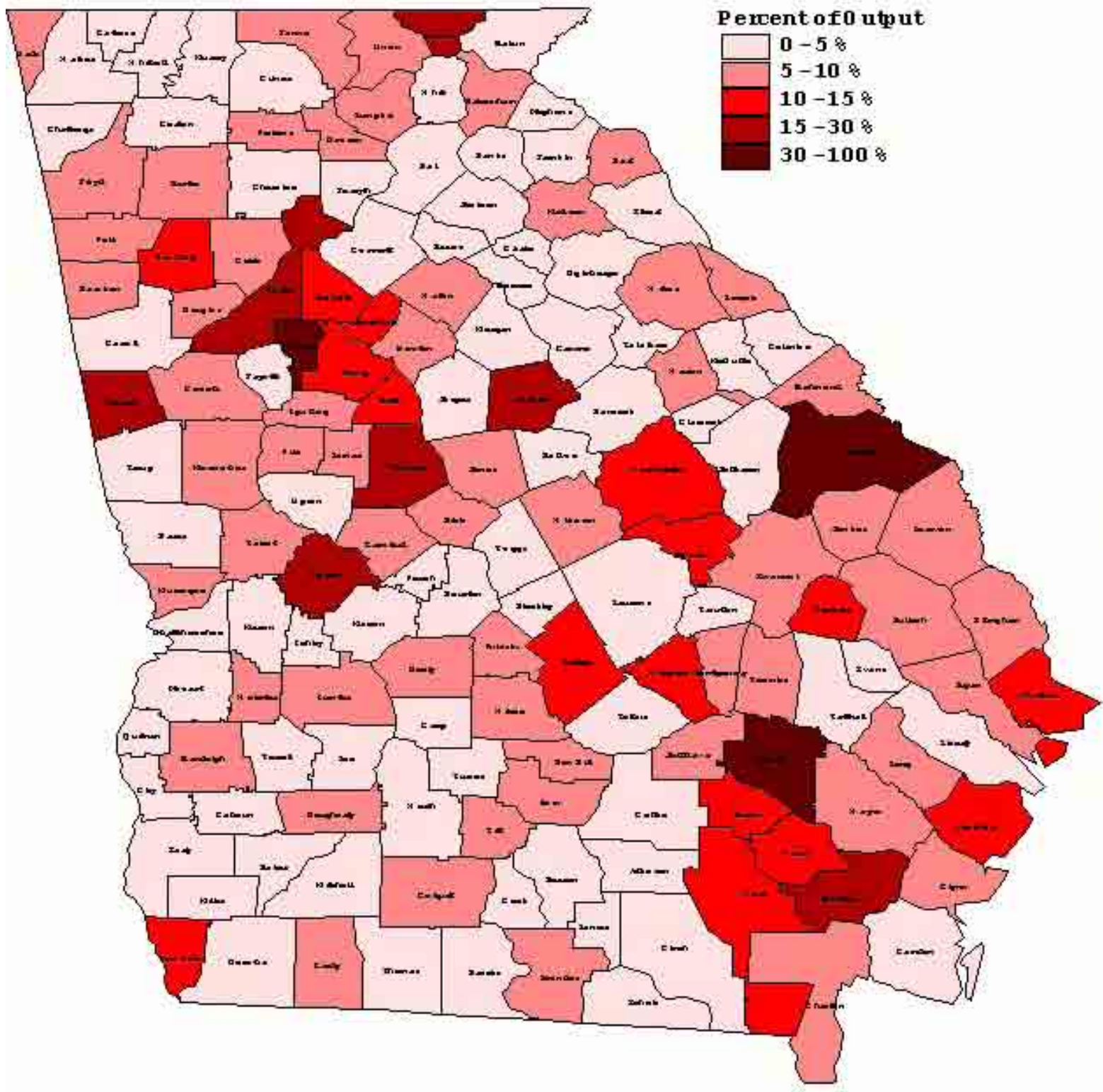
Source: Center for Agribusiness and Economic Development

Non-Direct Food and Fiber Manufacturing Output as a Percent of Total County Output



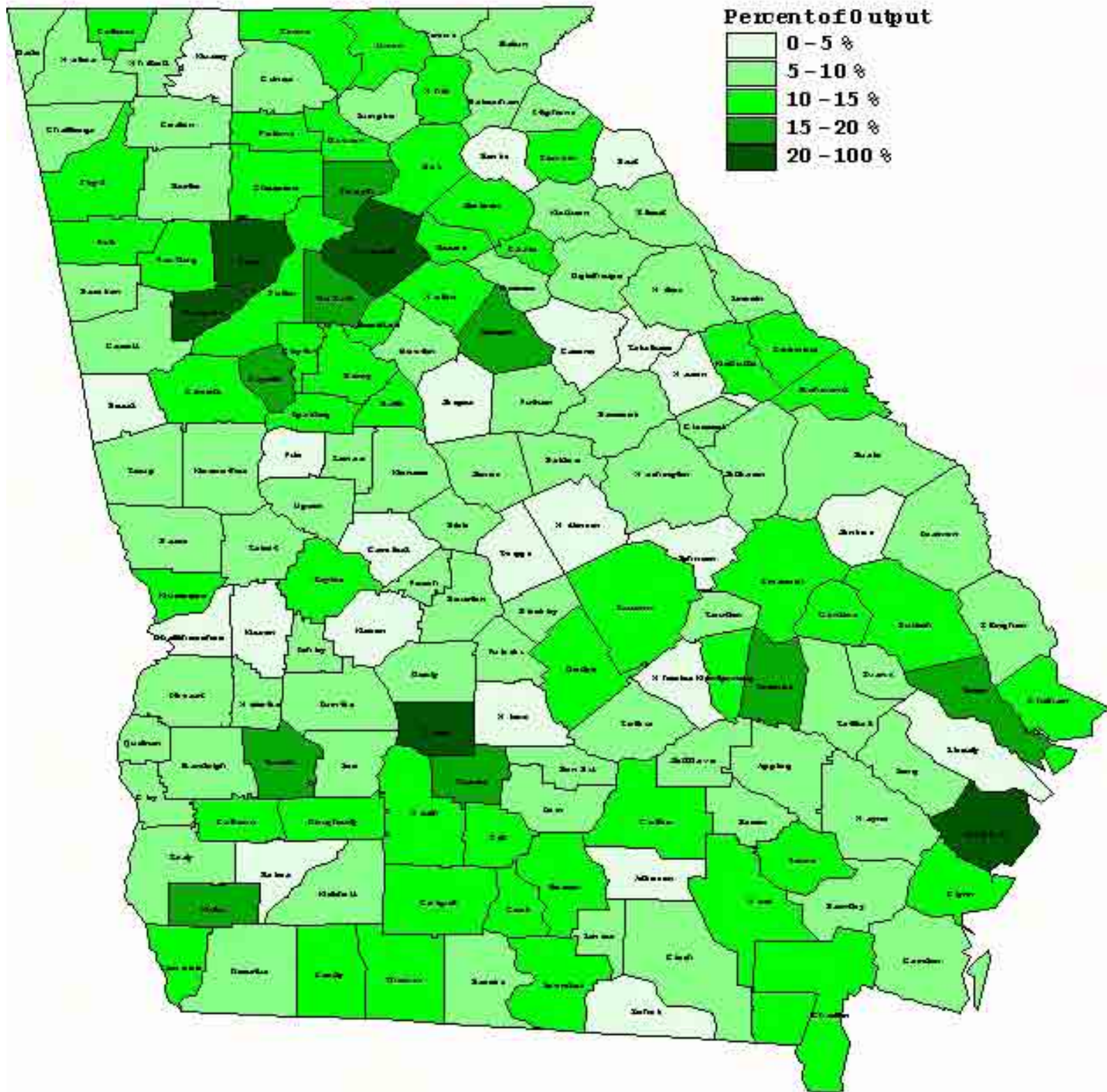
Source: Government Output as a Percent of Total County Output

Transportation, Communication and Utilities Output as a Percent of Total County Output



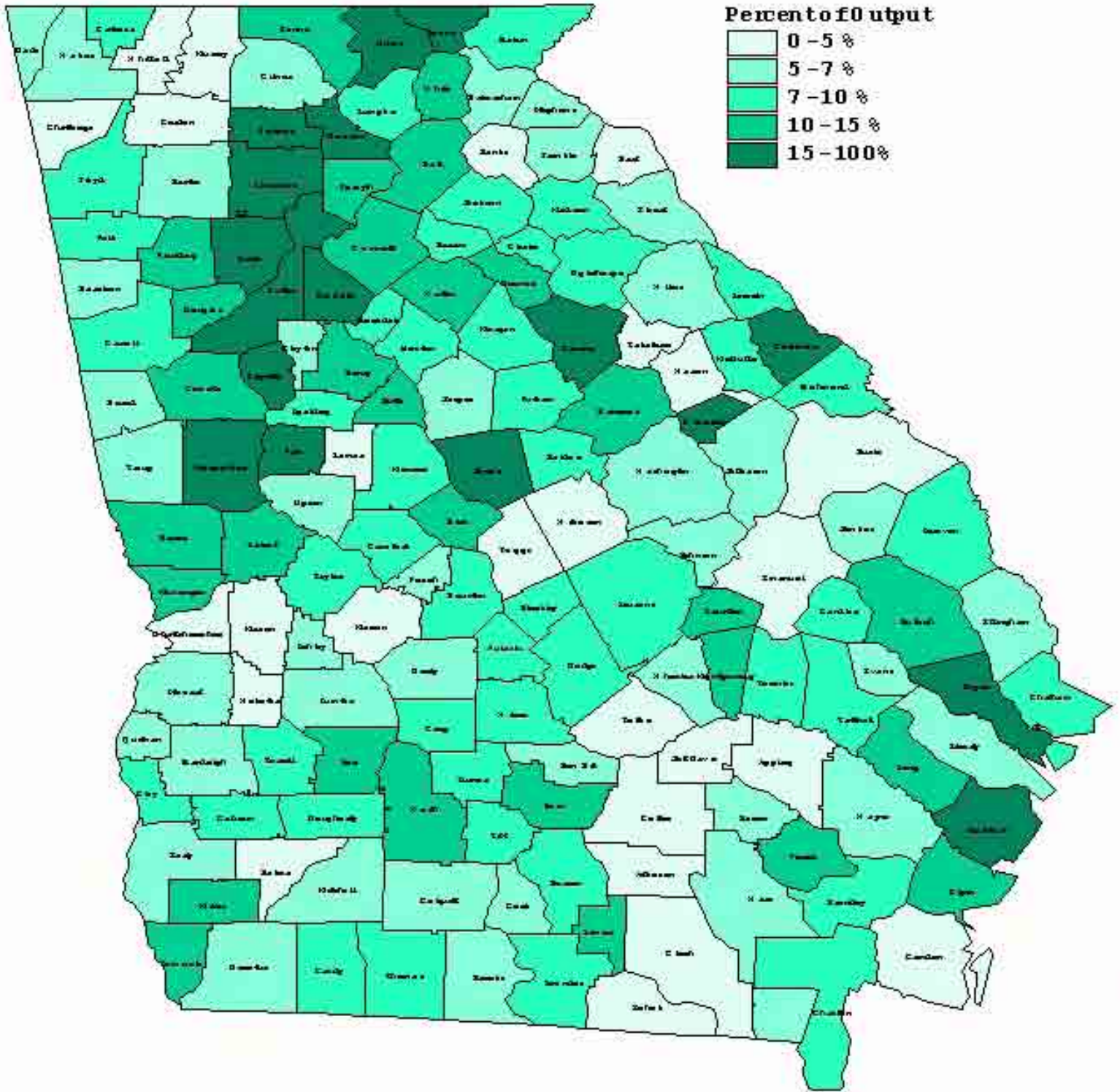
Source: Government Output as a Percent of Total County Output

Trade as a Percent of Total County Output



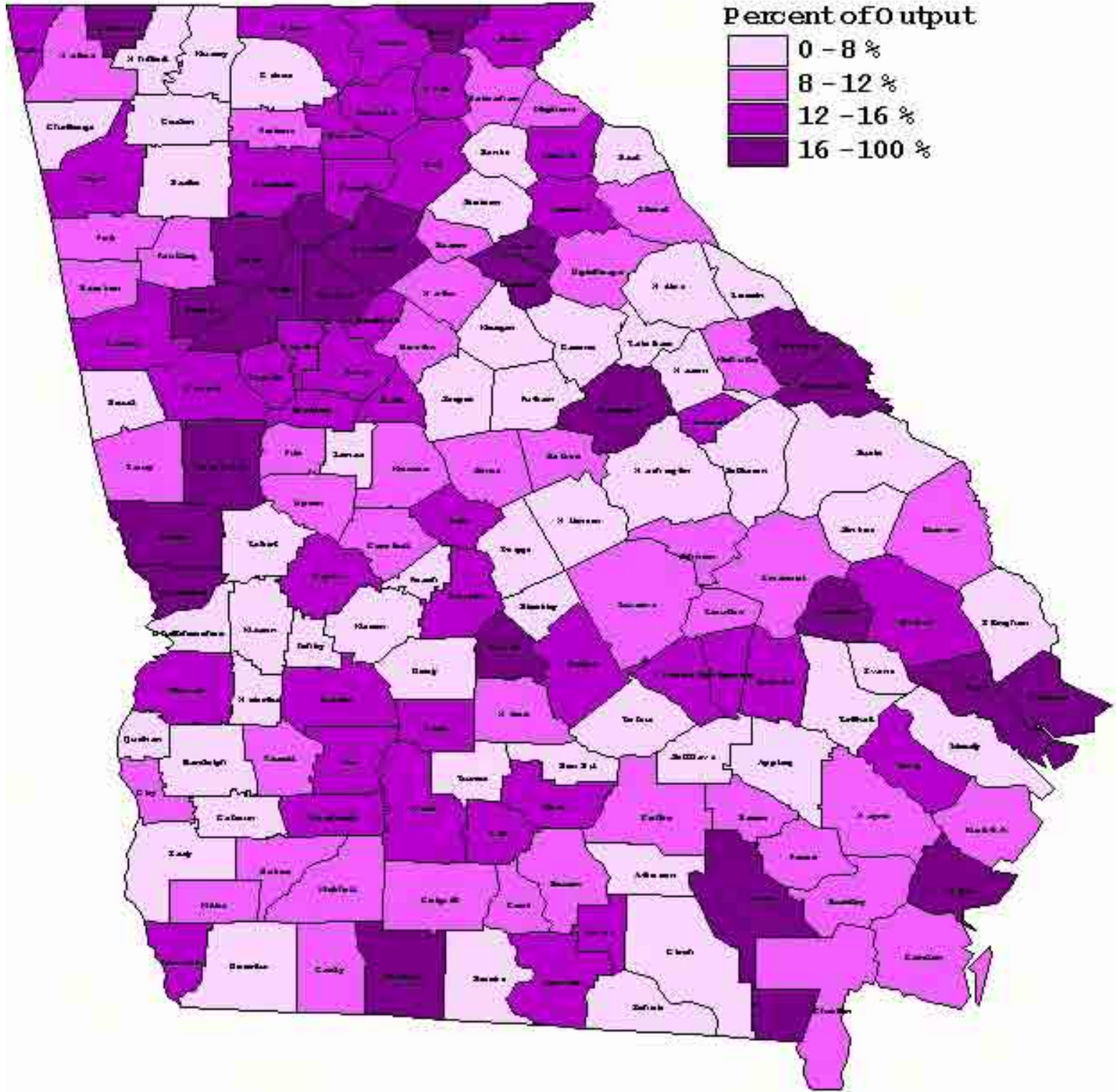
Source: Government Output as a Percent of Total County Output

Finance, Insurance, and Real Estate Output as a Percent of Total County Output



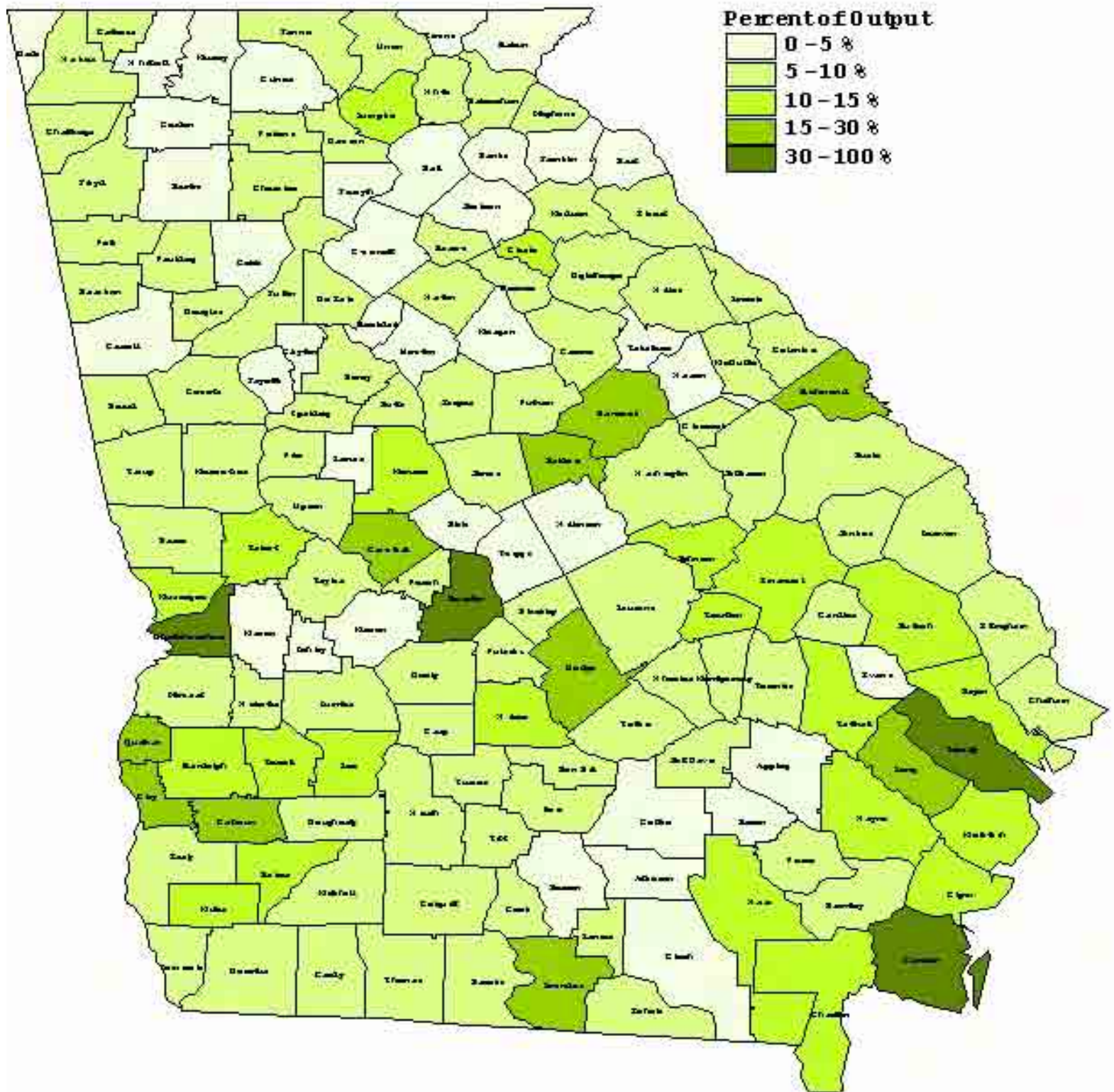
Source: Center for Agribusiness and Economic Development

Service Output as a Percent of Total County Output



Source: Government Output as a Percent of Total County Output

Government Output as a Percent of Total County Output



Source: Government Output as a Percent of Total County Output

Total Output by Major Category for Georgia's Counties

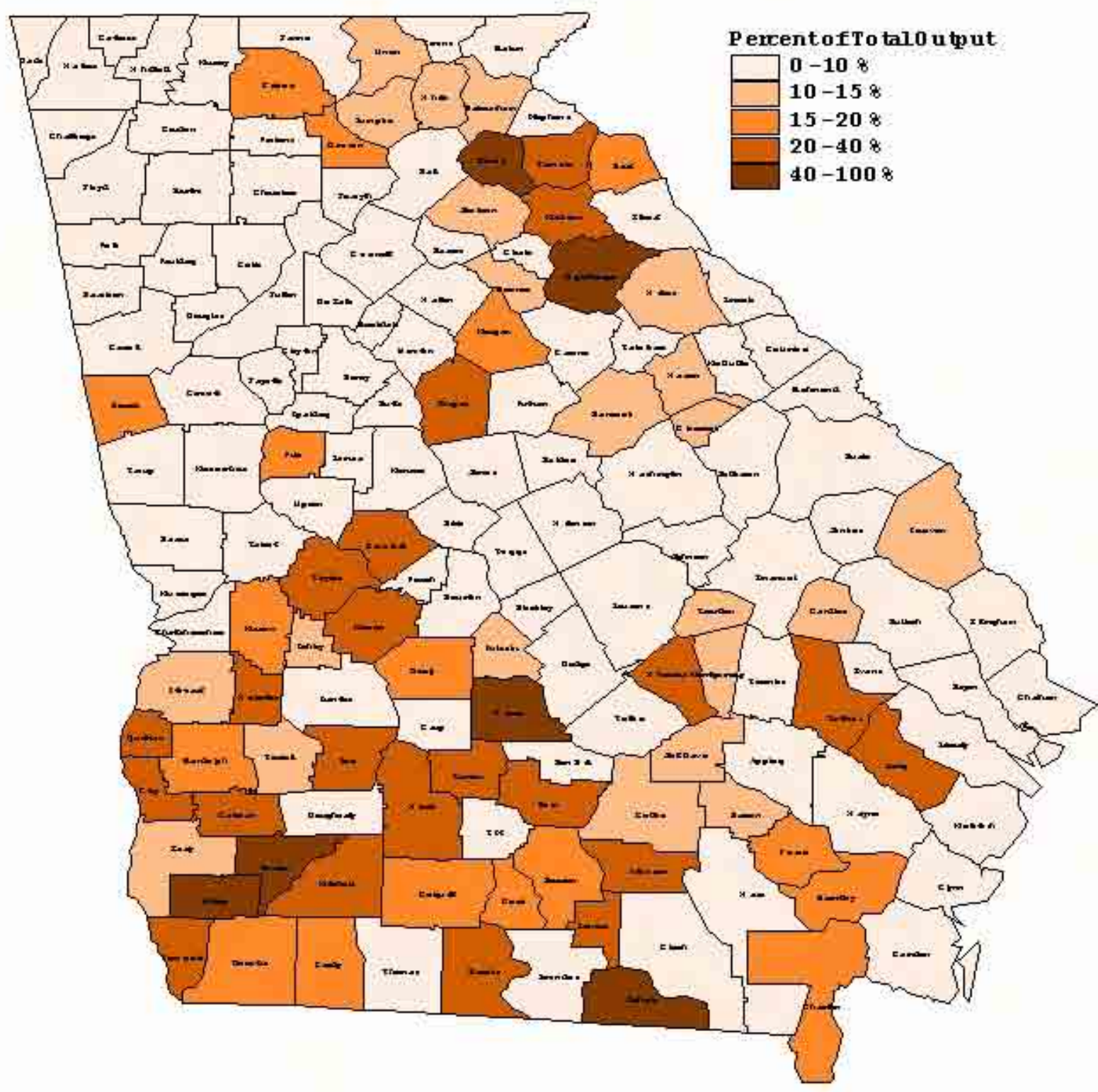
County	Agriculture	Mining	Construction	Manufacturing	TCPU	Trade	FIRE	Services	Government	Other
Appling	14.61%	0.00%	5.41%	21.59%	37.22%	5.87%	4.73%	5.91%	4.57%	0.08%
Atkinson	30.09%	0.00%	2.29%	46.00%	3.48%	4.55%	3.87%	5.42%	4.17%	0.13%
Bacon	26.78%	0.00%	2.10%	35.12%	10.55%	5.69%	6.01%	9.07%	4.63%	0.04%
Baker	65.97%	0.00%	3.84%	1.63%	0.48%	4.30%	2.83%	10.21%	10.61%	0.14%
Baldwin	3.26%	0.35%	4.45%	35.77%	4.12%	9.90%	9.15%	12.04%	20.79%	0.18%
Banks	48.15%	1.52%	3.91%	28.83%	1.58%	4.77%	4.14%	4.18%	2.90%	0.01%
Barrow	8.66%	0.33%	10.96%	41.44%	3.40%	10.75%	9.03%	9.73%	5.67%	0.04%
Bartow	4.21%	0.58%	5.51%	55.48%	8.62%	7.65%	5.62%	8.05%	4.26%	0.03%
Ben Hill	23.04%	0.00%	3.86%	41.76%	5.76%	6.83%	5.25%	6.69%	6.68%	0.12%
Berrien	17.48%	0.08%	4.86%	38.92%	2.66%	12.30%	9.04%	9.63%	4.81%	0.20%
Bibb	34.10%	0.03%	4.26%	14.98%	5.94%	9.75%	10.53%	16.00%	4.29%	0.13%
Bleckley	6.13%	0.00%	7.72%	51.42%	3.27%	7.47%	7.98%	8.08%	7.67%	0.24%
Brantley	39.02%	0.00%	9.77%	1.13%	17.50%	6.24%	7.48%	9.02%	9.79%	0.05%
Brooks	23.49%	0.00%	3.82%	39.84%	1.89%	8.92%	6.60%	6.94%	8.07%	0.43%
Bryan	5.77%	0.00%	13.02%	11.20%	10.04%	16.22%	15.49%	16.59%	11.37%	0.30%
Bulloch	12.51%	0.00%	9.03%	21.99%	5.54%	13.99%	10.33%	14.45%	12.13%	0.04%
Burke	7.49%	0.00%	2.25%	13.07%	51.18%	8.06%	4.58%	6.01%	7.25%	0.11%
Butts	6.81%	0.00%	7.46%	23.78%	14.64%	12.05%	12.06%	13.16%	9.82%	0.20%
Calhoun	38.74%	0.00%	3.36%	13.76%	2.59%	10.50%	7.95%	5.39%	16.98%	0.72%
Camden	29.30%	0.00%	3.47%	6.93%	2.64%	5.66%	4.25%	10.28%	37.41%	0.07%
Candler	13.89%	0.00%	7.65%	19.35%	12.75%	12.28%	7.92%	16.90%	9.12%	0.15%
Carroll	6.10%	0.17%	9.14%	47.01%	2.91%	9.01%	7.70%	12.52%	5.39%	0.07%
Catoosa	2.43%	0.34%	6.38%	40.78%	4.72%	12.97%	8.74%	17.81%	5.80%	0.02%
Charlton	35.87%	0.00%	7.97%	7.67%	6.60%	10.81%	7.70%	10.80%	12.37%	0.19%
Chatham	9.87%	0.01%	7.15%	21.28%	11.44%	12.29%	9.01%	19.21%	9.59%	0.14%
Chattahoochee	0.50%	0.00%	1.04%	0.15%	0.21%	2.24%	0.78%	1.97%	93.03%	0.08%
Chattooga	3.15%	0.00%	4.73%	66.65%	3.60%	5.60%	3.69%	5.97%	6.53%	0.09%
Cherokee	6.24%	0.12%	16.11%	14.15%	4.67%	14.93%	21.29%	16.14%	6.26%	0.09%
Clarke	7.77%	0.08%	4.72%	26.65%	5.31%	13.91%	8.95%	18.36%	14.06%	0.19%
Clay	36.98%	2.40%	11.16%	0.40%	4.32%	8.25%	9.28%	10.71%	16.47%	0.03%
Clayton	0.67%	0.04%	6.00%	9.58%	42.18%	15.38%	6.91%	14.03%	5.14%	0.07%
Clinch	20.93%	0.00%	1.41%	54.55%	2.71%	7.25%	3.59%	4.78%	4.59%	0.19%
Cobb	1.62%	0.05%	8.28%	15.81%	8.04%	23.37%	18.19%	19.71%	4.84%	0.09%
Coffee	24.07%	0.00%	5.23%	32.53%	4.24%	13.84%	4.98%	9.98%	5.07%	0.07%
Colquitt	21.26%	0.00%	6.08%	26.95%	6.91%	12.28%	7.03%	10.67%	8.62%	0.16%
Columbia	5.00%	0.29%	13.35%	21.49%	5.00%	13.06%	18.74%	16.91%	6.02%	0.15%
Cook	24.27%	0.00%	6.00%	31.71%	2.99%	11.42%	5.34%	12.30%	5.87%	0.10%
Coweta	0.78%	0.09%	7.31%	36.21%	8.59%	15.31%	12.02%	14.09%	5.50%	0.11%

Crawford	27.40%	3.37%	16.21%	7.49%	6.71%	4.44%	7.94%	8.85%	17.50%	0.09%
Crisp	12.37%	0.00%	6.16%	29.48%	2.77%	20.57%	7.81%	12.90%	7.76%	0.19%
County	Agriculture	Mining	Construction	Manufacturing	TCPU	Trade	FIRE	Services	Government	Other
Dade	4.92%	0.00%	7.71%	47.02%	7.17%	8.36%	5.92%	13.71%	5.08%	0.10%
Dawson	16.44%	0.12%	17.65%	12.22%	5.94%	12.58%	15.68%	13.36%	5.81%	0.19%
De Kalb	0.88%	0.09%	5.50%	16.88%	12.35%	18.67%	15.43%	23.95%	6.17%	0.09%
Decatur	26.88%	5.27%	4.32%	27.67%	3.43%	10.34%	6.13%	8.22%	7.60%	0.14%
Dodge	10.62%	0.00%	7.77%	21.29%	10.69%	11.15%	7.70%	14.81%	15.73%	0.25%
Dooly	23.41%	0.00%	1.66%	41.22%	6.66%	8.52%	5.65%	5.00%	7.65%	0.24%
Dougherty	5.65%	0.02%	6.38%	37.71%	6.78%	10.99%	7.18%	15.44%	9.68%	0.17%
Douglas	1.06%	0.30%	15.89%	13.52%	9.99%	20.92%	11.42%	19.83%	6.98%	0.09%
Early	59.43%	0.00%	2.44%	10.20%	2.81%	7.03%	6.37%	5.19%	6.34%	0.19%
Echols	83.46%	0.00%	0.67%	0.00%	1.11%	1.77%	2.49%	2.96%	7.54%	0.01%
Effingham	61.24%	0.31%	7.34%	0.83%	6.59%	5.67%	5.91%	6.26%	5.71%	0.13%
Elbert	14.43%	2.20%	5.20%	36.48%	4.12%	10.31%	6.85%	11.07%	9.20%	0.15%
Emanuel	14.58%	0.00%	3.61%	36.80%	6.65%	10.93%	4.88%	11.67%	10.68%	0.20%
Evans	56.65%	0.00%	7.33%	7.16%	3.89%	6.69%	5.26%	7.91%	5.05%	0.06%
Fannin	6.32%	0.00%	12.02%	23.42%	9.18%	14.84%	11.40%	15.91%	6.80%	0.11%
Fayette	0.91%	0.19%	11.44%	21.30%	3.97%	16.73%	24.46%	16.02%	4.88%	0.09%
Floyd	12.17%	0.14%	5.97%	32.49%	6.78%	10.86%	7.91%	15.46%	8.06%	0.18%
Forsyth	9.79%	0.31%	14.93%	19.84%	4.38%	19.49%	15.01%	13.03%	3.18%	0.05%
Franklin	21.56%	0.00%	6.01%	28.74%	4.57%	14.22%	6.38%	13.72%	4.70%	0.09%
Fulton	0.92%	0.02%	2.99%	13.42%	18.74%	14.77%	19.55%	22.77%	6.69%	0.13%
Gilmer	44.92%	0.39%	5.31%	20.97%	3.78%	6.89%	6.62%	7.51%	3.54%	0.06%
GlascocK	35.77%	5.09%	6.23%	1.14%	4.02%	6.36%	19.44%	13.81%	8.11%	0.03%
Glynn	8.90%	0.00%	9.17%	17.56%	5.53%	12.27%	14.13%	21.67%	10.60%	0.17%
Gordon	5.82%	0.00%	3.51%	67.03%	4.54%	6.92%	4.01%	5.15%	2.96%	0.05%
Grady	29.98%	3.68%	5.51%	18.49%	5.50%	11.56%	7.31%	10.06%	7.74%	0.17%
Greene	10.31%	0.05%	4.66%	46.30%	4.24%	5.35%	17.04%	6.08%	5.63%	0.33%
Gwinnett	0.81%	0.09%	8.96%	23.99%	4.46%	26.10%	14.67%	17.06%	3.83%	0.04%
Habersham	24.72%	0.23%	6.52%	26.85%	10.07%	8.62%	6.62%	9.63%	6.68%	0.07%
Hall	18.88%	0.04%	6.54%	28.43%	4.43%	11.48%	11.00%	14.47%	4.62%	0.11%
Hancock	15.79%	1.09%	2.18%	9.38%	4.93%	6.48%	13.69%	22.84%	23.37%	0.25%
Haralson	4.64%	0.00%	7.73%	44.36%	8.36%	9.32%	5.93%	12.29%	7.21%	0.16%
Harris	28.71%	0.00%	9.58%	8.02%	5.24%	8.79%	12.63%	20.35%	6.38%	0.30%
Hart	16.72%	0.90%	4.17%	52.30%	5.58%	5.20%	4.41%	5.99%	4.40%	0.32%
Heard	18.25%	0.03%	9.23%	36.82%	17.50%	2.53%	5.52%	4.15%	5.86%	0.11%
Henry	0.57%	0.46%	11.85%	20.93%	14.93%	13.99%	14.42%	14.40%	7.63%	0.09%
Houston	1.93%	0.00%	6.59%	18.48%	3.07%	10.44%	8.63%	14.78%	35.91%	0.15%
Irwin	27.50%	0.00%	8.36%	17.20%	8.55%	5.49%	10.95%	13.76%	8.13%	0.05%
Jackson	21.50%	0.02%	6.84%	34.28%	5.38%	10.46%	9.31%	7.95%	4.18%	0.07%
Jasper	29.30%	8.36%	6.77%	27.16%	2.83%	5.31%	5.98%	6.54%	7.31%	0.44%

County	Agriculture	Mining	Construction	Manufacturing	TCPU	Trade	FIRE	Services	Government	Other
Jeff Davis	18.40%	0.00%	3.43%	45.88%	9.73%	8.19%	3.65%	5.03%	5.59%	0.09%
Jefferson	14.67%	7.68%	4.24%	41.04%	5.28%	8.34%	5.92%	5.47%	7.09%	0.29%
Jenkins	14.20%	0.00%	2.95%	49.11%	7.64%	5.26%	5.07%	7.29%	8.21%	0.26%
Johnson	19.03%	0.00%	5.57%	29.41%	11.49%	4.68%	5.92%	10.92%	12.83%	0.14%
Jones	20.72%	2.89%	18.20%	3.36%	9.90%	6.23%	20.26%	11.38%	6.86%	0.21%
Lamar	10.97%	0.82%	2.69%	56.18%	5.99%	7.86%	4.26%	6.14%	4.94%	0.15%
Lanier	34.41%	0.00%	13.88%	3.02%	4.26%	8.63%	11.12%	15.33%	9.06%	0.30%
Laurens	15.48%	1.93%	6.74%	31.65%	5.00%	11.24%	7.45%	11.84%	8.47%	0.19%
Lee	18.68%	0.40%	24.09%	5.73%	3.51%	10.42%	11.26%	13.91%	11.93%	0.06%
Liberty	3.89%	0.19%	3.13%	3.88%	3.53%	4.57%	5.48%	5.20%	70.05%	0.09%
Lincoln	52.84%	0.00%	5.59%	4.94%	6.39%	5.85%	9.36%	8.13%	6.75%	0.15%
Long	23.46%	2.63%	11.58%	2.45%	6.98%	8.90%	10.96%	12.68%	20.32%	0.03%
Lowndes	12.76%	0.08%	7.98%	18.43%	7.56%	13.40%	8.27%	13.25%	18.12%	0.15%
Lumpkin	11.44%	0.25%	12.77%	22.37%	7.24%	10.13%	8.68%	15.09%	11.90%	0.13%
Macon	68.93%	0.00%	4.15%	3.85%	2.23%	4.76%	3.62%	7.27%	5.09%	0.10%
Madison	34.41%	1.07%	16.96%	5.19%	7.76%	5.80%	8.70%	13.34%	6.71%	0.06%
Marion	76.70%	0.00%	2.51%	1.38%	1.83%	2.31%	5.03%	5.31%	4.84%	0.08%
McDuffie	8.13%	0.08%	11.15%	35.13%	5.18%	12.56%	9.36%	9.96%	8.22%	0.24%
McIntosh	5.53%	0.00%	5.24%	12.69%	14.56%	21.32%	15.26%	12.25%	12.72%	0.43%
Meriwether	8.88%	0.00%	9.88%	21.92%	5.77%	9.47%	17.47%	18.87%	7.59%	0.15%
Miller	39.44%	0.00%	4.88%	0.74%	1.22%	18.09%	13.70%	10.08%	11.26%	0.59%
Mitchell	49.82%	0.00%	4.64%	10.88%	3.59%	7.88%	6.03%	8.76%	8.28%	0.12%
Monroe	14.16%	0.39%	13.43%	9.97%	24.29%	6.85%	8.61%	11.20%	10.72%	0.37%
Montgomery	20.72%	0.00%	16.69%	8.52%	5.87%	13.28%	11.82%	14.05%	8.46%	0.58%
Morgan	15.06%	0.00%	4.56%	35.43%	4.58%	18.53%	8.78%	7.99%	4.86%	0.22%
Murray	3.22%	0.00%	2.47%	77.27%	1.98%	4.50%	3.09%	4.29%	3.11%	0.06%
Muscogee	1.47%	0.17%	5.47%	30.57%	5.93%	11.57%	13.92%	18.96%	11.75%	0.19%
Newton	2.06%	0.43%	9.89%	45.11%	7.58%	9.32%	8.53%	11.65%	5.33%	0.11%
Oconee	10.29%	0.00%	12.00%	27.33%	2.36%	9.16%	15.02%	17.98%	5.76%	0.09%
Oglethorpe	38.83%	5.63%	11.89%	7.04%	4.36%	6.10%	9.63%	9.26%	7.12%	0.12%
Paulding	2.90%	0.00%	25.92%	12.60%	10.52%	14.39%	12.40%	11.71%	9.44%	0.13%
Peach	7.20%	0.00%	4.26%	54.64%	2.59%	7.94%	6.66%	7.87%	8.73%	0.10%
Pickens	6.04%	4.23%	13.31%	18.35%	7.95%	11.28%	20.94%	12.10%	5.66%	0.15%
Pierce	25.80%	0.00%	10.12%	10.19%	11.90%	12.41%	11.18%	11.70%	6.59%	0.11%
Pike	14.27%	3.73%	14.95%	23.21%	6.04%	4.84%	15.25%	10.28%	7.33%	0.11%
Polk	16.11%	0.26%	8.97%	30.38%	8.01%	11.09%	8.24%	9.83%	6.92%	0.19%
Pulaski	21.13%	0.00%	4.32%	18.85%	7.47%	10.20%	9.35%	19.83%	8.60%	0.25%
Putnam	10.36%	0.00%	5.57%	36.25%	21.54%	7.53%	8.38%	4.62%	5.60%	0.13%
Quitman	52.17%	0.00%	7.74%	3.08%	0.96%	7.63%	6.93%	5.32%	15.88%	0.29%
County	Agriculture	Mining	Construction	Manufacturing	TCPU	Trade	FIRE	Services	Government	Other
Rabun	6.07%	0.16%	10.77%	44.29%	2.91%	7.17%	9.20%	14.37%	4.92%	0.14%

Randolph	34.35%	0.00%	4.84%	21.63%	6.01%	7.82%	5.75%	8.29%	10.83%	0.48%
Richmond	8.51%	0.26%	6.52%	19.72%	5.95%	11.54%	9.10%	17.79%	20.44%	0.16%
Rockdale	3.98%	0.31%	13.00%	29.55%	13.88%	13.35%	8.82%	13.25%	3.79%	0.07%
Schley	13.67%	0.00%	13.51%	48.79%	3.01%	6.36%	5.26%	5.82%	3.47%	0.12%
Screven	13.85%	0.00%	4.60%	43.59%	6.23%	7.11%	7.23%	9.13%	8.06%	0.21%
Seminole	31.38%	0.00%	4.92%	4.32%	10.72%	13.57%	11.45%	15.54%	7.88%	0.22%
Spalding	1.81%	0.48%	7.03%	42.75%	5.63%	12.47%	8.25%	14.08%	7.38%	0.13%
Stephens	3.47%	0.21%	6.97%	55.42%	3.20%	7.98%	6.13%	10.85%	5.66%	0.10%
Stewart	18.51%	0.00%	1.61%	40.32%	2.88%	9.40%	5.85%	13.43%	7.75%	0.24%
Sumter	9.38%	3.20%	5.47%	36.27%	8.59%	9.85%	6.46%	12.48%	8.01%	0.30%
Talbot	26.90%	14.30%	12.99%	0.00%	5.84%	6.79%	12.65%	7.21%	12.51%	0.79%
Taliaferro	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Tattnall	37.92%	0.00%	5.54%	12.91%	5.14%	8.14%	8.12%	7.89%	14.17%	0.16%
Taylor	20.47%	0.50%	7.61%	5.32%	19.84%	10.48%	9.58%	16.31%	9.88%	0.03%
Telfair	8.64%	0.00%	1.85%	62.58%	3.21%	5.45%	4.98%	7.58%	5.66%	0.05%
Terrell	20.64%	0.00%	3.10%	20.10%	4.85%	18.52%	9.58%	11.55%	11.28%	0.38%
Thomas	17.01%	1.47%	4.60%	29.88%	3.20%	10.99%	7.95%	17.14%	7.52%	0.22%
Tift	8.42%	0.00%	6.20%	33.46%	6.66%	15.33%	7.35%	14.05%	8.36%	0.16%
Toombs	9.14%	0.00%	7.41%	26.93%	7.24%	19.28%	8.27%	15.89%	5.74%	0.08%
Towns	1.80%	0.06%	20.45%	1.48%	17.53%	8.13%	20.46%	24.79%	5.20%	0.10%
Treutlen	13.41%	0.00%	12.38%	25.11%	5.19%	9.61%	11.25%	10.79%	12.13%	0.12%
Troup	1.50%	0.05%	6.82%	55.15%	4.62%	9.41%	6.07%	9.83%	6.42%	0.13%
Turner	24.13%	0.00%	3.19%	25.61%	3.42%	17.35%	9.03%	8.31%	8.83%	0.13%
Twiggs	7.13%	71.97%	2.76%	0.00%	3.86%	2.14%	3.13%	4.59%	4.34%	0.06%
Union	11.78%	0.15%	17.98%	9.55%	7.25%	10.80%	19.71%	13.60%	9.15%	0.03%
Upson	5.62%	0.00%	5.43%	53.52%	2.68%	6.69%	6.75%	12.13%	6.94%	0.23%
Walker	2.12%	0.38%	7.47%	57.38%	3.80%	6.96%	6.33%	9.32%	6.05%	0.21%
Walton	6.10%	0.00%	16.41%	26.33%	7.81%	11.05%	12.29%	10.99%	8.82%	0.19%
Ware	16.77%	0.00%	7.28%	12.49%	15.38%	13.40%	6.19%	17.94%	10.47%	0.08%
Warren	38.03%	1.67%	1.56%	31.94%	7.41%	3.21%	2.57%	8.21%	5.18%	0.23%
Washington	4.09%	42.97%	3.94%	12.22%	12.29%	5.66%	5.12%	6.46%	7.03%	0.22%
Wayne	43.36%	0.00%	8.18%	8.63%	5.55%	8.99%	5.56%	8.64%	10.91%	0.17%
Webster	57.23%	0.00%	1.10%	5.52%	6.98%	7.21%	4.13%	6.90%	10.43%	0.50%
Wheeler	48.21%	0.00%	2.61%	0.11%	15.28%	3.61%	6.22%	14.04%	9.63%	0.30%
White	13.07%	0.00%	11.38%	24.06%	4.19%	13.66%	14.55%	13.35%	5.60%	0.14%
Whitfield	2.08%	0.23%	2.35%	66.76%	5.13%	9.53%	4.19%	7.08%	2.62%	0.04%
Wilcox	46.70%	0.00%	3.14%	5.91%	7.81%	5.13%	8.14%	10.12%	12.56%	0.49%
Wilkes	24.80%	0.00%	4.07%	34.25%	8.08%	7.12%	6.00%	8.04%	7.28%	0.34%
Wilkinson	9.19%	12.86%	5.89%	46.30%	9.27%	3.62%	3.44%	5.52%	3.81%	0.10%
Worth	35.47%	0.00%	5.69%	6.37%	3.67%	13.18%	10.22%	14.81%	10.39%	0.19%

Food and Fiber Production Impact as a Percent of Total Output



Source: Government Output as a Percent of Total County Output

Food and Fiber Production Impact and Total Output for Georgia's Counties

County	Agricultural Production Impact	Total County Output	Production Impact % of Total
Appling	\$75,070,973	\$932,395,000	8.05%
Atkinson	\$70,807,041	\$283,062,000	25.01%
Bacon	\$46,126,241	\$449,476,700	10.26%
Baker	\$67,268,940	\$94,422,000	71.24%
Baldwin	\$23,374,852	\$1,419,112,000	1.65%
Banks	\$281,844,665	\$563,166,000	50.05%
Barrow	\$86,225,148	\$1,252,795,000	6.88%
Bartow	\$171,584,327	\$3,730,416,000	4.60%
Ben Hill	\$41,779,735	\$844,556,000	4.95%
Berrien	\$83,822,726	\$523,593,000	16.01%
Bibb	\$26,688,034	\$11,880,751,000	0.22%
Bleckley	\$17,612,577	\$376,242,000	4.68%
Brantley	\$37,749,321	\$199,438,000	18.93%
Brooks	\$83,616,229	\$338,104,000	24.73%
Bryan	\$9,709,015	\$323,379,000	3.00%
Bulloch	\$115,648,839	\$1,688,911,000	6.85%
Burke	\$58,298,261	\$750,693,000	7.77%
Butts	\$6,322,560	\$454,793,000	1.39%
Calhoun	\$58,212,194	\$147,959,000	39.34%
Camden	\$17,711,268	\$1,921,439,000	0.92%
Candler	\$33,555,162	\$252,410,000	13.29%
Carroll	\$91,041,893	\$3,434,281,000	2.65%
Catoosa	\$34,837,533	\$1,341,979,000	2.60%
Charlton	\$36,407,004	\$183,133,000	19.88%
Chatham	\$23,989,317	\$12,712,540,000	0.19%
Chattahoochee	\$6,079,568	\$1,120,093,000	0.54%
Chattooga	\$9,552,555	\$897,688,000	1.06%
Cherokee	\$76,376,760	\$3,072,164,000	2.49%
Clarke	\$24,821,883	\$5,245,622,000	0.47%

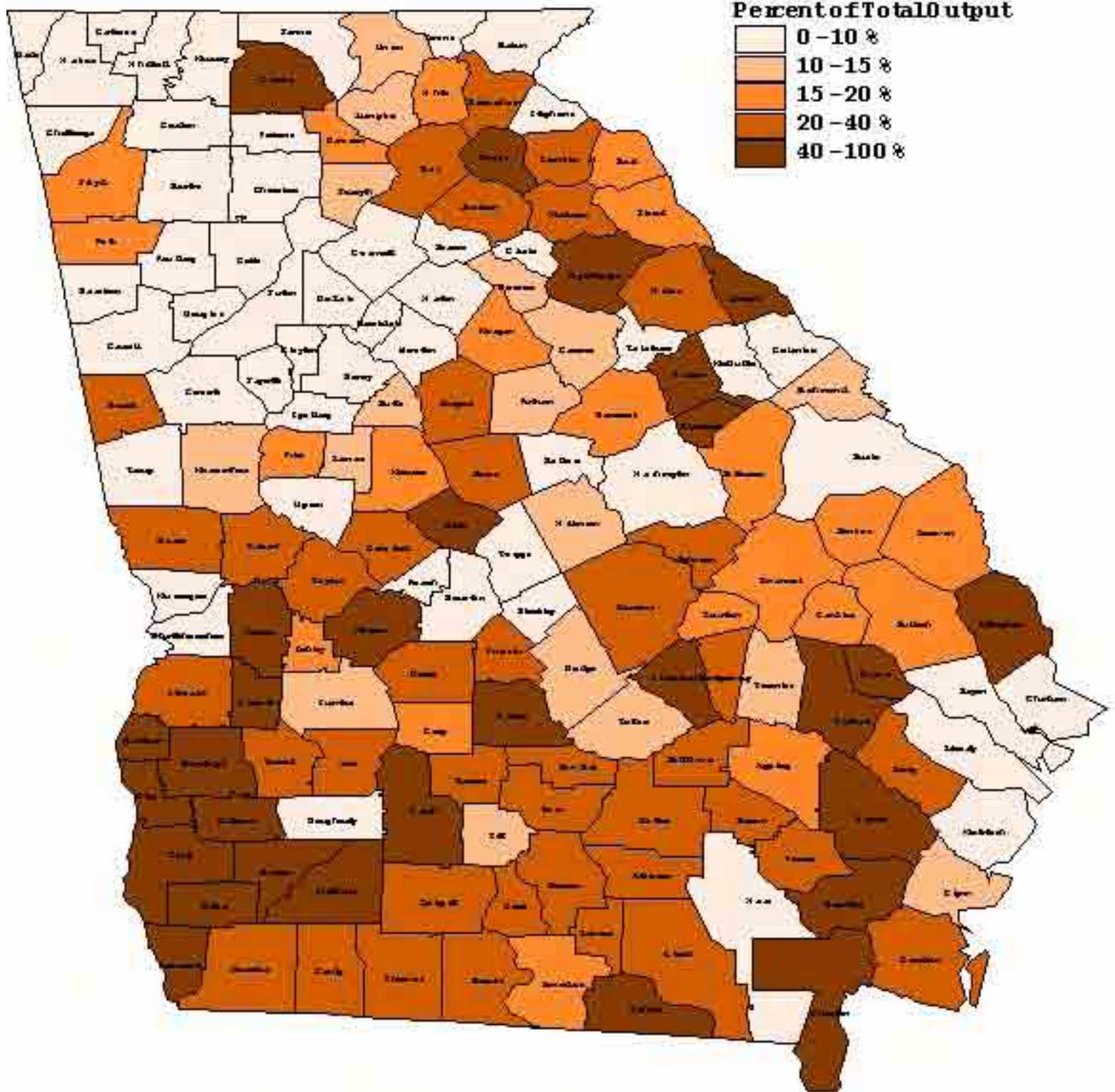
Clay	\$22,095,865	\$67,417,000	32.77%
Clayton	\$13,819,268	\$11,114,976,000	0.12%
Clinch	\$40,659,201	\$437,151,000	9.30%
Cobb	\$109,916,874	\$32,293,258,000	0.34%
Coffee	\$195,110,153	\$1,656,443,000	11.78%
Colquitt	\$222,144,071	\$1,356,079,000	16.38%
Columbia	\$24,529,977	\$1,802,446,000	1.36%
Cook	\$74,725,844	\$482,006,000	15.50%
Coweta	\$20,065,038	\$2,513,845,000	0.80%
Crawford	\$37,469,736	\$135,363,000	27.68%
Crisp	\$65,592,685	\$775,414,000	8.46%
Dade	\$19,005,953	\$388,111,000	4.90%
Dawson	\$63,828,816	\$367,386,000	17.37%
De Kalb	\$101,646,064	\$38,173,241,000	0.27%
Decatur	\$214,337,774	\$1,146,580,000	18.69%
Dodge	\$38,998,403	\$414,636,000	9.41%
Dooly	\$71,150,282	\$464,703,000	15.31%
Dougherty	\$49,869,298	\$6,139,164,000	0.81%
Douglas	\$18,674,031	\$2,425,479,000	0.77%
Early	\$83,825,117	\$590,774,000	14.19%
Echols	\$58,455,813	\$74,772,000	78.18%
Effingham	\$21,024,686	\$960,650,000	2.19%
Elbert	\$36,492,999	\$666,722,000	5.47%
Emanuel	\$37,990,157	\$668,505,000	5.68%
Evans	\$34,539,261	\$479,472,000	7.20%
Fannin	\$24,634,764	\$421,223,000	5.85%
Fayette	\$21,127,900	\$3,085,996,000	0.68%
County	Agricultural Production Impact	Total County Output	Production Impact % of Total
Floyd	\$73,398,519	\$4,252,897,000	1.73%
Forsyth	\$102,825,646	\$3,145,367,000	3.27%
Franklin	\$197,761,326	\$822,482,000	24.04%
Fulton	\$137,780,758	\$85,807,506,000	0.16%
Gilmer	\$176,959,952	\$895,815,000	19.75%

Glascocock	\$6,286,155	\$58,677,000	10.71%
Glynn	\$24,436,318	\$3,286,151,000	0.74%
Gordon	\$181,090,613	\$2,738,578,000	6.61%
Grady	\$119,725,966	\$618,212,000	19.37%
Greene	\$48,283,731	\$586,423,000	8.23%
Gwinnett	\$181,125,102	\$28,873,651,000	0.63%
Habersham	\$205,796,615	\$1,411,225,000	14.58%
Hall	\$342,185,423	\$6,346,836,000	5.39%
Hancock	\$15,199,919	\$123,431,000	12.31%
Haralson	\$32,526,488	\$673,531,000	4.83%
Harris	\$16,891,231	\$479,678,000	3.52%
Hart	\$184,136,105	\$990,676,000	18.59%
Heard	\$46,699,546	\$307,410,000	15.19%
Henry	\$19,934,668	\$2,653,124,000	0.75%
Houston	\$49,621,952	\$3,905,391,000	1.27%
Irwin	\$66,158,459	\$243,301,000	27.19%
Jackson	\$189,733,307	\$1,789,869,000	10.60%
Jasper	\$68,862,737	\$301,876,000	22.81%
Jeff Davis	\$62,269,672	\$598,082,000	10.41%
Jefferson	\$44,557,388	\$626,461,000	7.11%
Jenkins	\$27,048,263	\$280,213,000	9.65%
Johnson	\$12,285,109	\$198,069,000	6.20%
Jones	\$27,118,220	\$379,949,000	7.14%
Lamar	\$28,174,022	\$588,754,000	4.79%
Lanier	\$35,855,124	\$126,231,000	28.40%
Laurens	\$42,224,517	\$1,907,311,000	2.21%
Lee	\$68,096,036	\$304,958,000	22.33%
Liberty	\$9,984,457	\$2,254,470,000	0.44%
Lincoln	\$11,175,714	\$209,421,000	5.34%
Long	\$12,045,181	\$54,505,000	22.10%
Lowndes	\$57,571,147	\$3,908,894,000	1.47%
Lumpkin	\$63,607,705	\$527,869,000	12.05%
Macon	\$127,645,606	\$612,984,000	20.82%

Madison	\$189,658,244	\$504,426,000	37.60%
Marion	\$59,428,996	\$315,235,000	18.85%
McDuffie	\$48,998,538	\$683,688,000	7.17%
McIntosh	\$8,374,843	\$156,376,000	5.36%
Meriwether	\$27,129,500	\$809,454,000	3.35%
Miller	\$66,192,791	\$145,981,000	45.34%
Mitchell	\$231,523,861	\$821,392,000	28.19%
Monroe	\$44,007,708	\$537,845,000	8.18%
Montgomery	\$18,759,158	\$162,977,000	11.51%
Morgan	\$102,011,810	\$616,327,000	16.55%
Murray	\$42,391,613	\$1,525,299,000	2.78%
Muscogee	\$16,764,691	\$8,787,961,000	0.19%
Newton	\$28,012,148	\$1,971,439,000	1.42%
Oconee	\$68,942,331	\$638,314,000	10.80%
Oglethorpe	\$82,687,522	\$202,375,000	40.86%
Paulding	\$30,512,984	\$1,006,061,000	3.03%
Peach	\$41,078,127	\$896,547,000	4.58%
Pickens	\$37,543,792	\$582,604,000	6.44%
County	Agricultural Production Impact	Total County Output	Production Impact % of Total
Pierce	\$56,708,510	\$357,369,000	15.87%
Pike	\$38,487,625	\$240,072,000	16.03%
Polk	\$24,745,564	\$943,321,000	2.62%
Pulaski	\$33,512,710	\$285,900,000	11.72%
Putnam	\$47,090,147	\$675,713,000	6.97%
Quitman	\$6,341,814	\$30,931,000	20.50%
Rabun	\$25,998,518	\$581,359,000	4.47%
Randolph	\$39,955,638	\$245,552,000	16.27%
Richmond	\$20,986,103	\$10,020,653,000	0.21%
Rockdale	\$14,382,918	\$3,471,257,000	0.41%
Schley	\$15,007,464	\$146,883,000	10.22%
Screven	\$52,815,288	\$415,250,000	12.72%
Seminole	\$80,599,203	\$244,086,000	33.02%
Spalding	\$10,619,149	\$2,095,545,000	0.51%

Stephens	\$35,263,090	\$1,200,653,000	2.94%
Stewart	\$17,470,094	\$123,171,000	14.18%
Sumter	\$110,838,962	\$1,308,862,000	8.47%
Talbot	\$7,320,291	\$82,093,000	8.92%
Taliaferro	NA	NA	NA
Tattnall	\$207,232,064	\$577,516,000	35.88%
Taylor	\$48,396,607	\$214,696,000	22.54%
Telfair	\$22,210,299	\$567,399,000	3.91%
Terrell	\$34,216,217	\$231,272,000	14.79%
Thomas	\$103,084,241	\$1,895,033,000	5.44%
Tift	\$115,820,314	\$1,855,928,000	6.24%
Toombs	\$74,225,228	\$882,730,000	8.41%
Towns	\$5,589,359	\$245,826,000	2.27%
Treutlen	\$12,227,206	\$102,938,000	11.88%
Troup	\$19,064,661	\$3,471,835,000	0.55%
Turner	\$68,735,502	\$232,109,000	29.61%
Twiggs	\$12,641,346	\$342,673,000	3.69%
Union	\$63,981,298	\$458,141,000	13.97%
Upton	\$32,596,098	\$970,299,000	3.36%
Walker	\$42,174,210	\$1,760,977,000	2.39%
Walton	\$50,495,816	\$1,237,041,000	4.08%
Ware	\$56,190,970	\$1,377,255,000	4.08%
Warren	\$26,729,437	\$191,823,000	13.93%
Washington	\$33,539,777	\$1,018,323,000	3.29%
Wayne	\$46,978,656	\$874,599,000	5.37%
Webster	\$11,566,119	\$56,293,000	20.55%
Wheeler	\$42,939,963	\$120,188,000	35.73%
White	\$81,273,240	\$634,038,000	12.82%
Whitfield	\$50,407,146	\$7,624,673,000	0.66%
Wilcox	\$77,157,722	\$160,876,000	47.96%
Wilkes	\$49,163,956	\$479,943,000	10.24%
Wilkinson	\$12,208,581	\$455,366,000	2.68%
Worth	\$92,867,104	\$356,249,000	26.07%

Food and Fiber Production, Processing and Direct Manufacturing Impact as a Percent of Total Output



Source: Government Output as a Percent of Total County Output

Output by Major Sector After Accounting for the Impact of Food and Fiber in Georgia's Counties

Name	Agriculture	Mining	Construction	Manufacturing	TCPU	Trade	FIRE	Services	Government	Other
Appling	18.49%	0.00%	5.40%	19.75%	36.89%	5.11%	4.28%	5.45%	4.54%	0.07%
Atkinson	35.16%	0.00%	2.14%	44.09%	2.60%	3.82%	3.27%	4.73%	4.07%	0.12%
Bacon	30.33%	0.00%	2.05%	34.82%	9.78%	4.92%	5.31%	8.20%	4.55%	0.04%
Baker	71.22%	0.00%	3.52%	1.57%	0.09%	2.30%	2.08%	9.43%	9.67%	0.11%
Baldwin	4.18%	0.35%	4.44%	35.57%	4.01%	9.71%	8.96%	11.84%	20.76%	0.18%
Banks	51.24%	1.53%	3.48%	29.26%	0.87%	3.94%	3.22%	3.66%	2.79%	0.01%
Barrow	9.97%	0.33%	10.88%	41.41%	3.24%	10.41%	8.71%	9.40%	5.63%	0.04%
Bartow	5.04%	0.58%	5.47%	55.48%	8.43%	7.44%	5.44%	7.86%	4.24%	0.03%
Ben Hill	28.04%	0.00%	3.77%	40.14%	5.23%	5.89%	4.45%	5.90%	6.46%	0.11%
Berrien	21.44%	0.08%	4.75%	38.00%	2.37%	11.40%	8.26%	8.77%	4.73%	0.19%
Bibb	42.77%	0.03%	4.05%	14.10%	4.76%	7.57%	8.97%	13.55%	4.07%	0.12%
Bleckley	7.32%	0.00%	7.68%	51.14%	3.17%	7.23%	7.71%	7.88%	7.64%	0.23%
Brantley	46.06%	0.00%	9.22%	0.00%	15.50%	5.30%	6.49%	8.07%	9.33%	0.05%
Brooks	25.97%	0.00%	3.72%	39.92%	1.69%	7.96%	5.96%	6.36%	7.99%	0.42%
Bryan	6.86%	0.00%	12.98%	10.92%	9.94%	16.01%	15.29%	16.37%	11.34%	0.30%
Bulloch	16.16%	0.00%	8.94%	21.29%	5.08%	13.12%	9.64%	13.65%	12.08%	0.04%
Burke	8.99%	0.00%	2.23%	12.83%	51.00%	7.57%	4.33%	5.73%	7.21%	0.11%
Butts	11.27%	0.00%	7.37%	21.68%	13.96%	11.42%	11.69%	12.65%	9.76%	0.20%
Calhoun	44.44%	0.00%	3.28%	13.42%	1.82%	8.17%	6.58%	4.79%	16.80%	0.70%
Camden	36.59%	0.00%	3.10%	5.91%	1.41%	4.32%	3.11%	8.44%	37.07%	0.06%
Candler	16.70%	0.00%	7.56%	19.18%	12.34%	11.45%	7.32%	16.23%	9.07%	0.14%
Carroll	7.19%	0.17%	9.09%	46.92%	2.79%	8.75%	7.45%	12.20%	5.36%	0.07%
Catoosa	2.97%	0.34%	6.36%	40.76%	4.62%	12.82%	8.65%	17.66%	5.79%	0.02%
Charlton	46.24%	0.00%	7.82%	2.68%	5.48%	9.32%	6.62%	9.44%	12.22%	0.17%
Chatham	2.90%	0.01%	7.13%	29.00%	11.26%	12.05%	8.90%	19.03%	9.57%	0.14%
Chattahoochee	0.54%	0.00%	1.04%	0.15%	0.21%	2.22%	0.77%	1.95%	93.03%	0.08%
Chattooga	3.53%	0.00%	4.72%	66.66%	3.53%	5.49%	3.62%	5.88%	6.51%	0.09%
Cherokee	7.71%	0.12%	16.06%	13.96%	4.51%	14.52%	20.98%	15.82%	6.24%	0.09%
Clarke	9.63%	0.08%	4.69%	26.44%	5.09%	13.39%	8.59%	17.88%	14.02%	0.19%
Clay	44.14%	2.34%	10.53%	0.00%	3.47%	6.66%	7.46%	9.51%	15.86%	0.03%
Clayton	0.90%	0.04%	5.99%	9.57%	42.13%	15.32%	6.88%	13.97%	5.13%	0.07%
Clinch	25.40%	0.00%	1.39%	52.21%	2.36%	6.75%	3.03%	4.13%	4.55%	0.18%
Cobb	2.41%	0.05%	8.25%	15.71%	7.92%	23.15%	18.08%	19.51%	4.82%	0.09%
Coffee	35.05%	0.00%	4.70%	28.94%	3.18%	11.53%	3.81%	8.13%	4.61%	0.06%
Colquitt	26.97%	0.00%	5.94%	26.04%	6.00%	10.73%	6.11%	9.55%	8.50%	0.15%
Columbia	6.90%	0.29%	13.30%	20.86%	4.81%	12.66%	18.45%	16.59%	6.00%	0.15%
Cook	30.71%	0.00%	5.81%	30.21%	2.38%	9.60%	4.54%	11.03%	5.62%	0.09%
Coweta	1.03%	0.09%	7.30%	36.19%	8.56%	15.25%	11.96%	14.02%	5.49%	0.11%

Crawford	29.99%	3.39%	16.05%	7.34%	6.22%	4.07%	7.34%	8.31%	17.20%	0.09%
Crisp	17.54%	0.00%	6.04%	27.84%	2.33%	19.11%	7.14%	12.17%	7.66%	0.18%
Dade	5.89%	0.00%	7.68%	46.88%	7.04%	8.12%	5.75%	13.49%	5.05%	0.10%
Dawson	19.53%	0.12%	17.45%	11.76%	5.18%	12.07%	14.98%	12.97%	5.75%	0.19%
De Kalb	1.23%	0.09%	5.49%	16.84%	12.31%	18.58%	15.36%	23.85%	6.16%	0.09%
Name	Agriculture	Mining	Construction	Manufacturing	TCPU	Trade	FIRE	Services	Government	Other
Decatur	34.38%	5.25%	4.09%	25.96%	2.21%	8.67%	4.93%	6.99%	7.40%	0.13%
Dodge	12.15%	0.00%	7.76%	21.15%	10.44%	10.73%	7.44%	14.36%	15.72%	0.24%
Dooly	26.66%	0.00%	1.61%	41.19%	5.93%	7.25%	5.07%	4.53%	7.53%	0.23%
Dougherty	7.77%	0.02%	6.32%	37.50%	6.46%	10.26%	6.86%	15.01%	9.62%	0.16%
Douglas	1.51%	0.30%	15.87%	13.45%	9.94%	20.79%	11.35%	19.73%	6.97%	0.09%
Early	72.36%	0.00%	2.10%	7.95%	1.40%	3.45%	3.75%	3.25%	5.58%	0.16%
Echols	89.09%	0.00%	0.56%	0.00%	0.43%	0.56%	0.74%	2.12%	6.50%	0.01%
Effingham	77.03%	0.31%	6.37%	0.00%	2.94%	4.01%	4.20%	4.29%	5.41%	0.10%
Elbert	16.78%	2.20%	5.16%	36.38%	3.84%	9.55%	6.36%	10.50%	9.09%	0.14%
Emanuel	16.58%	0.00%	3.58%	36.63%	6.31%	10.34%	4.57%	11.13%	10.65%	0.20%
Evans	65.87%	0.00%	7.01%	4.69%	2.66%	4.82%	4.00%	6.07%	4.85%	0.05%
Fannin	8.53%	0.00%	11.97%	22.89%	8.84%	14.38%	11.04%	15.48%	6.77%	0.11%
Fayette	1.21%	0.19%	11.43%	21.29%	3.94%	16.63%	24.39%	15.95%	4.88%	0.09%
Floyd	16.82%	0.14%	5.81%	31.70%	6.04%	9.58%	7.24%	14.57%	7.94%	0.17%
Forsyth	11.56%	0.31%	14.86%	19.72%	4.12%	18.91%	14.63%	12.69%	3.15%	0.04%
Franklin	24.68%	0.00%	5.83%	28.74%	3.82%	13.17%	6.01%	13.04%	4.62%	0.09%
Fulton	1.92%	0.02%	4.36%	19.52%	27.24%	21.40%	28.44%	33.08%	9.75%	0.18%
Gilmer	50.34%	0.39%	4.95%	20.52%	2.98%	5.62%	5.47%	6.28%	3.40%	0.05%
Glascocock	42.34%	5.05%	5.98%	0.00%	3.48%	5.41%	18.26%	13.24%	7.82%	0.03%
Glynn	12.83%	0.00%	8.94%	16.36%	5.04%	11.59%	13.64%	20.94%	10.52%	0.16%
Gordon	6.93%	0.00%	3.45%	66.94%	4.32%	6.62%	3.82%	4.95%	2.92%	0.05%
Grady	36.85%	3.68%	5.35%	17.56%	4.45%	9.52%	6.34%	8.62%	7.48%	0.15%
Greene	11.94%	0.05%	4.61%	46.11%	4.05%	5.02%	16.55%	5.76%	5.57%	0.33%
Gwinnett	1.14%	0.09%	8.95%	23.96%	4.42%	26.00%	14.61%	16.97%	3.82%	0.04%
Habersham	28.52%	0.23%	6.37%	26.60%	9.09%	7.72%	5.96%	8.85%	6.60%	0.06%
Hall	23.89%	0.04%	6.37%	28.08%	3.79%	9.95%	9.99%	13.26%	4.54%	0.10%
Hancock	17.39%	1.09%	2.17%	9.09%	4.78%	6.24%	13.25%	22.43%	23.31%	0.24%
Haralson	5.34%	0.00%	7.71%	44.32%	8.24%	9.11%	5.79%	12.16%	7.18%	0.16%
Harris	33.08%	0.00%	9.42%	6.55%	4.68%	8.25%	11.88%	19.56%	6.30%	0.29%
Hart	18.96%	0.91%	4.05%	52.30%	5.10%	4.66%	3.92%	5.50%	4.30%	0.31%
Heard	20.13%	0.03%	9.07%	36.61%	16.96%	2.32%	5.06%	3.94%	5.77%	0.10%
Henry	0.75%	0.47%	11.93%	21.08%	15.03%	14.04%	14.48%	14.45%	7.68%	0.09%
Houston	2.63%	0.00%	6.58%	18.29%	3.02%	10.30%	8.51%	14.62%	35.90%	0.15%
Irwin	34.27%	0.00%	7.91%	16.06%	7.43%	4.41%	9.52%	12.48%	7.87%	0.04%
Jackson	24.72%	0.02%	6.67%	34.18%	4.71%	9.45%	8.77%	7.30%	4.12%	0.06%
Jasper	35.05%	8.33%	6.56%	25.18%	2.29%	4.33%	4.95%	5.82%	7.08%	0.41%

Jeff Davis	24.83%	0.00%	3.31%	43.07%	9.04%	6.93%	3.04%	4.34%	5.35%	0.08%
Jefferson	18.84%	7.68%	4.17%	39.39%	4.73%	7.55%	5.41%	5.03%	6.92%	0.28%
Jenkins	16.56%	0.00%	2.91%	48.75%	7.22%	4.78%	4.61%	6.88%	8.04%	0.25%
Johnson	21.66%	0.00%	5.50%	28.47%	11.21%	4.38%	5.52%	10.44%	12.69%	0.13%
Jones	22.92%	2.94%	18.29%	3.22%	9.08%	5.67%	19.78%	11.03%	6.88%	0.20%
Lamar	14.87%	0.82%	2.65%	54.67%	5.40%	7.00%	3.90%	5.70%	4.85%	0.14%
Lanier	39.80%	0.00%	13.67%	2.15%	3.81%	7.46%	10.14%	13.85%	8.86%	0.27%
Name	Agriculture	Mining	Construction	Manufacturing	TCPU	Trade	FIRE	Services	Government	Other
Laurens	21.03%	1.90%	6.45%	30.58%	4.18%	10.00%	6.62%	10.75%	8.29%	0.18%
Lee	23.32%	0.40%	23.51%	5.53%	3.07%	9.23%	10.07%	13.14%	11.68%	0.06%
Liberty	4.94%	0.19%	3.05%	3.65%	3.31%	4.42%	5.32%	5.01%	70.01%	0.09%
Lincoln	58.93%	0.00%	5.38%	3.77%	5.64%	4.71%	7.81%	7.10%	6.53%	0.13%
Long	25.79%	2.62%	11.43%	2.20%	6.44%	8.45%	10.49%	12.39%	20.16%	0.03%
Lowndes	18.57%	0.08%	7.76%	17.11%	6.51%	12.06%	7.54%	12.18%	18.03%	0.15%
Lumpkin	13.34%	0.25%	12.63%	22.25%	6.72%	9.79%	8.32%	14.70%	11.86%	0.13%
Macon	79.86%	0.00%	3.63%	1.68%	0.61%	2.40%	2.14%	4.86%	4.74%	0.07%
Madison	38.11%	1.07%	16.62%	5.15%	6.46%	5.25%	7.97%	12.73%	6.57%	0.05%
Marion	88.07%	0.00%	1.79%	0.00%	0.14%	0.89%	2.14%	3.33%	3.59%	0.04%
McDuffie	9.77%	0.08%	11.10%	34.97%	4.99%	12.12%	8.99%	9.57%	8.17%	0.24%
McIntosh	5.78%	0.00%	5.24%	12.69%	14.56%	21.29%	15.21%	12.06%	12.73%	0.43%
Meriwether	11.75%	0.00%	9.82%	21.06%	5.47%	8.90%	16.96%	18.36%	7.54%	0.15%
Miller	49.61%	0.00%	4.47%	0.32%	0.85%	13.91%	11.19%	8.51%	10.61%	0.54%
Mitchell	65.39%	0.00%	3.92%	6.70%	1.73%	4.53%	3.99%	6.41%	7.24%	0.09%
Monroe	18.16%	0.40%	13.32%	8.28%	23.70%	6.34%	8.07%	10.71%	10.66%	0.36%
Montgomery	24.24%	0.00%	16.58%	7.77%	5.59%	12.17%	11.00%	13.70%	8.37%	0.57%
Morgan	17.99%	0.00%	4.47%	35.39%	4.11%	17.56%	8.01%	7.48%	4.79%	0.21%
Murray	3.54%	0.00%	2.45%	77.24%	1.94%	4.43%	3.04%	4.22%	3.10%	0.06%
Muscogee	0.40%	0.17%	5.46%	31.75%	5.91%	11.54%	13.89%	18.92%	11.75%	0.19%
Newton	2.69%	0.43%	9.87%	45.02%	7.51%	9.18%	8.40%	11.49%	5.31%	0.11%
Oconee	11.79%	0.00%	11.91%	27.25%	2.20%	8.77%	14.58%	17.68%	5.73%	0.09%
Oglethorpe	42.72%	5.67%	11.55%	6.92%	3.32%	5.50%	8.56%	8.63%	7.02%	0.11%
Paulding	3.37%	0.00%	25.91%	12.58%	10.45%	14.24%	12.27%	11.63%	9.43%	0.12%
Peach	8.89%	0.00%	4.20%	54.28%	2.33%	7.59%	6.35%	7.59%	8.67%	0.10%
Pickens	6.99%	4.23%	13.24%	18.27%	7.71%	11.05%	20.76%	11.96%	5.64%	0.14%
Pierce	34.43%	0.00%	9.89%	7.05%	10.94%	10.67%	9.91%	10.57%	6.45%	0.10%
Pike	16.37%	3.73%	14.86%	23.18%	5.65%	4.53%	14.38%	9.88%	7.30%	0.11%
Polk	19.10%	0.26%	8.83%	29.94%	7.37%	10.36%	7.77%	9.35%	6.84%	0.18%
Pulaski	27.13%	0.00%	4.14%	17.69%	6.77%	8.70%	8.33%	18.62%	8.39%	0.24%
Putnam	13.70%	0.00%	5.50%	35.38%	20.98%	6.82%	7.69%	4.26%	5.55%	0.12%
Quitman	56.99%	0.00%	7.62%	0.71%	0.81%	7.12%	6.38%	4.55%	15.54%	0.27%
Rabun	7.16%	0.16%	10.73%	44.37%	2.78%	6.89%	8.87%	14.03%	4.88%	0.14%
Randolph	41.94%	0.00%	4.72%	18.78%	4.96%	6.27%	4.77%	7.39%	10.71%	0.47%

Richmond	12.53%	0.26%	6.34%	18.96%	5.26%	10.64%	8.55%	16.94%	20.36%	0.15%
Rockdale	5.33%	0.31%	12.93%	29.39%	13.70%	12.96%	8.63%	12.92%	3.76%	0.07%
Schley	15.50%	0.00%	13.42%	48.54%	2.73%	5.98%	4.85%	5.46%	3.41%	0.11%
Screven	16.92%	0.00%	4.50%	42.85%	5.84%	6.53%	6.65%	8.61%	7.91%	0.20%
Seminole	43.24%	0.00%	4.52%	3.23%	8.90%	9.93%	9.53%	13.10%	7.35%	0.19%
Spalding	2.53%	0.48%	7.01%	42.57%	5.57%	12.29%	8.14%	13.93%	7.37%	0.12%
Stephens	3.96%	0.21%	6.93%	55.39%	3.10%	7.87%	6.05%	10.74%	5.65%	0.10%
Stewart	20.89%	0.00%	1.59%	40.03%	2.67%	8.78%	5.38%	12.72%	7.71%	0.23%
Sumter	11.85%	3.19%	5.40%	36.04%	7.91%	9.29%	6.06%	12.00%	7.98%	0.29%
Name	Agriculture	Mining	Construction	Manufacturing	TCPU	Trade	FIRE	Services	Government	Other
Talbot	29.97%	14.15%	12.71%	0.00%	5.39%	6.25%	11.76%	6.82%	12.18%	0.77%
Taliaferro	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Tattnall	43.32%	0.00%	5.34%	12.42%	3.96%	6.54%	7.28%	6.99%	14.01%	0.14%
Taylor	26.08%	0.49%	7.34%	4.97%	18.66%	8.83%	8.67%	15.37%	9.57%	0.03%
Telfair	11.62%	0.00%	1.83%	60.94%	2.98%	5.11%	4.64%	7.22%	5.62%	0.05%
Terrell	25.91%	0.00%	3.01%	18.88%	4.32%	16.90%	8.80%	10.78%	11.02%	0.37%
Thomas	21.53%	1.47%	4.51%	28.69%	2.77%	9.97%	7.22%	16.23%	7.39%	0.21%
Tift	12.52%	0.00%	6.09%	32.33%	6.21%	14.34%	6.81%	13.27%	8.27%	0.16%
Toombs	11.72%	0.00%	7.32%	26.79%	6.88%	18.48%	7.77%	15.25%	5.71%	0.08%
Towns	2.36%	0.06%	20.44%	1.48%	17.47%	8.02%	20.30%	24.61%	5.18%	0.10%
Treutlen	15.33%	0.00%	12.30%	24.88%	4.99%	9.15%	10.68%	10.51%	12.06%	0.12%
Troup	2.05%	0.05%	6.81%	54.94%	4.59%	9.29%	6.00%	9.73%	6.41%	0.13%
Turner	29.33%	0.00%	3.06%	25.33%	2.99%	15.14%	8.09%	7.40%	8.54%	0.11%
Twiggs	7.83%	71.79%	2.74%	0.00%	3.82%	2.05%	2.98%	4.44%	4.28%	0.06%
Union	14.54%	0.15%	17.93%	9.47%	7.03%	9.97%	18.93%	12.91%	9.04%	0.03%
Upson	6.80%	0.00%	5.23%	54.56%	2.52%	6.22%	6.32%	11.44%	6.68%	0.22%
Walker	2.44%	0.38%	7.45%	57.39%	3.76%	6.87%	6.24%	9.23%	6.04%	0.21%
Walton	7.24%	0.00%	16.37%	26.27%	7.61%	10.78%	11.99%	10.78%	8.78%	0.18%
Ware	7.97%	0.00%	7.24%	22.80%	15.17%	12.93%	5.96%	17.45%	10.40%	0.08%
Warren	48.15%	1.66%	1.48%	26.67%	5.58%	2.45%	1.95%	6.92%	4.93%	0.21%
Washington	4.93%	42.97%	3.92%	12.04%	12.18%	5.48%	4.95%	6.30%	7.01%	0.21%
Wayne	54.72%	0.00%	7.46%	6.37%	2.79%	6.96%	4.19%	6.76%	10.60%	0.15%
Webster	71.20%	0.00%	1.04%	0.24%	4.08%	4.29%	3.10%	5.91%	9.66%	0.47%
Wheeler	55.32%	0.00%	2.43%	0.00%	13.57%	2.69%	4.64%	12.18%	8.91%	0.26%
White	15.70%	0.00%	11.25%	23.80%	3.68%	12.91%	14.05%	12.92%	5.56%	0.13%
Whitfield	3.54%	0.23%	2.32%	66.11%	5.00%	9.25%	4.05%	6.87%	2.58%	0.04%
Wilcox	50.68%	0.00%	3.00%	5.75%	6.66%	4.33%	7.15%	9.45%	12.50%	0.47%
Wilkes	34.87%	0.00%	3.95%	29.55%	6.69%	5.71%	4.94%	6.91%	7.05%	0.33%
Wilkinson	11.21%	12.86%	5.85%	45.26%	9.12%	3.38%	3.23%	5.22%	3.77%	0.09%
Worth	43.39%	0.00%	5.33%	5.75%	2.75%	10.87%	8.80%	13.08%	9.86%	0.17%

*Note: Food and Fiber here includes production, processing and directly related manufacturing.