

The Economic Importance of Food and Fiber

A Spotlight on Greene County, Georgia

Prepared for
Greene County Cooperative Extension
May, 2009

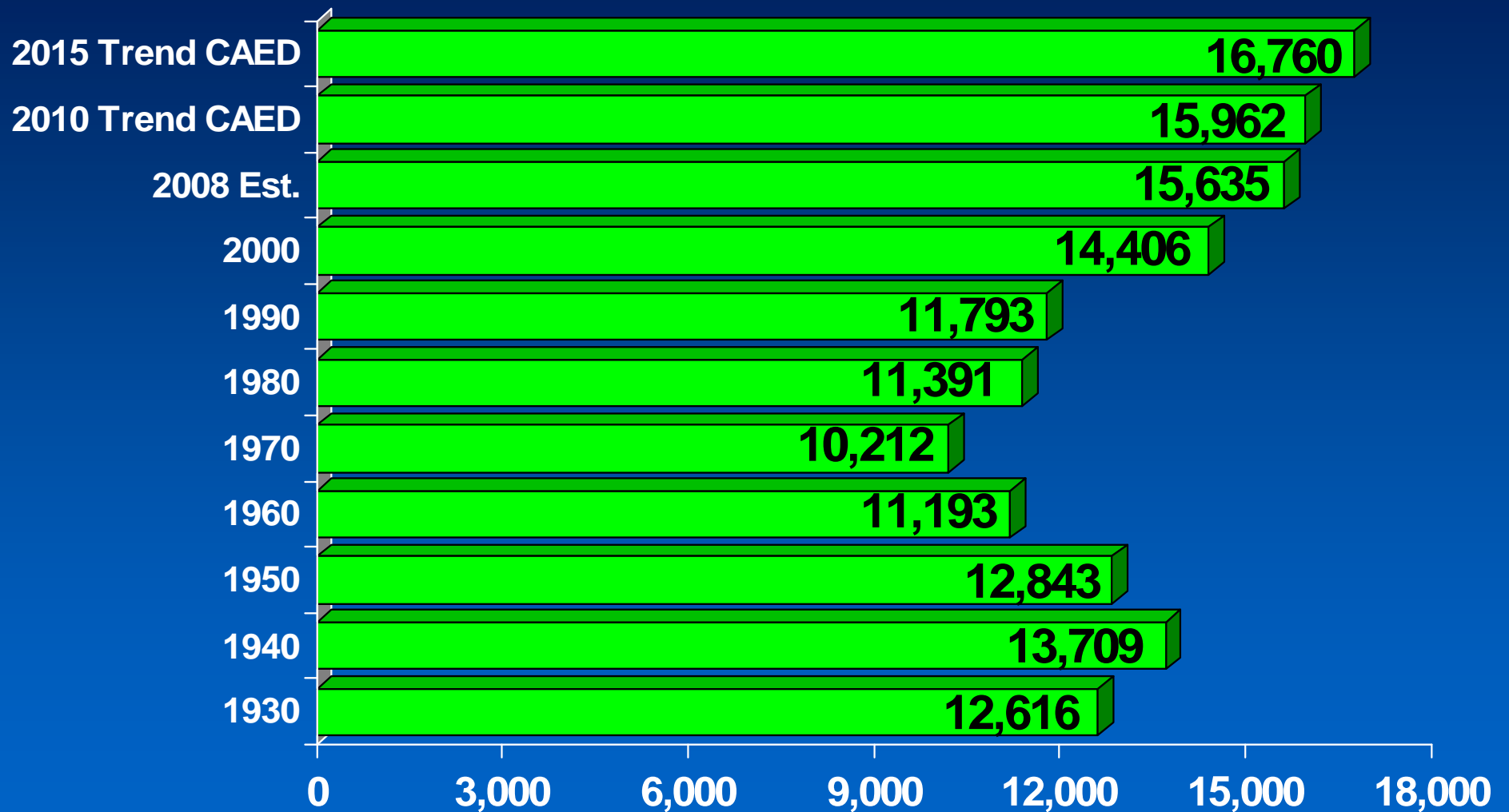
by:

The Center for Agribusiness
and Economic Development

College of Agricultural
and Environmental Sciences

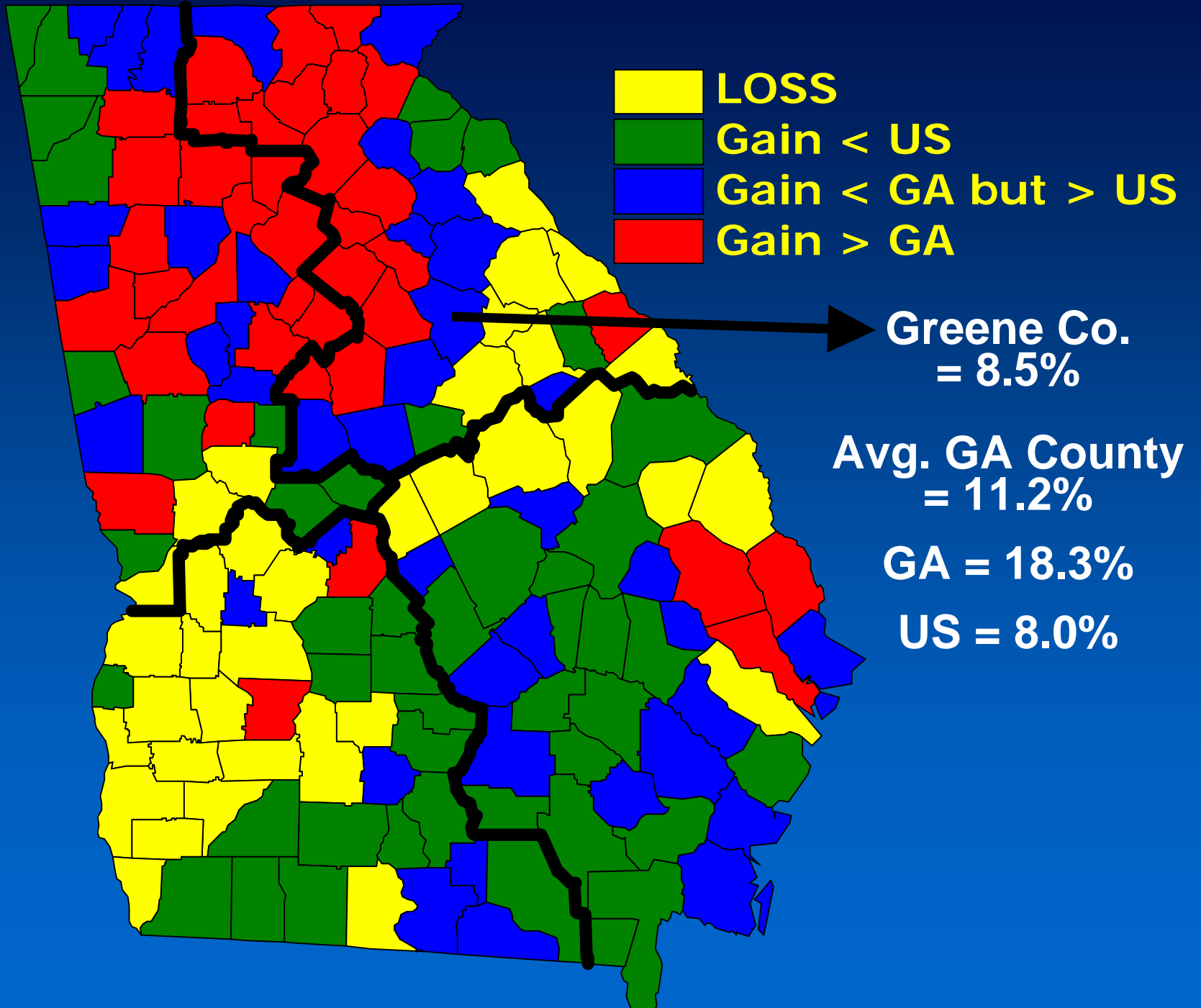
The University of Georgia

Total Population Greene County



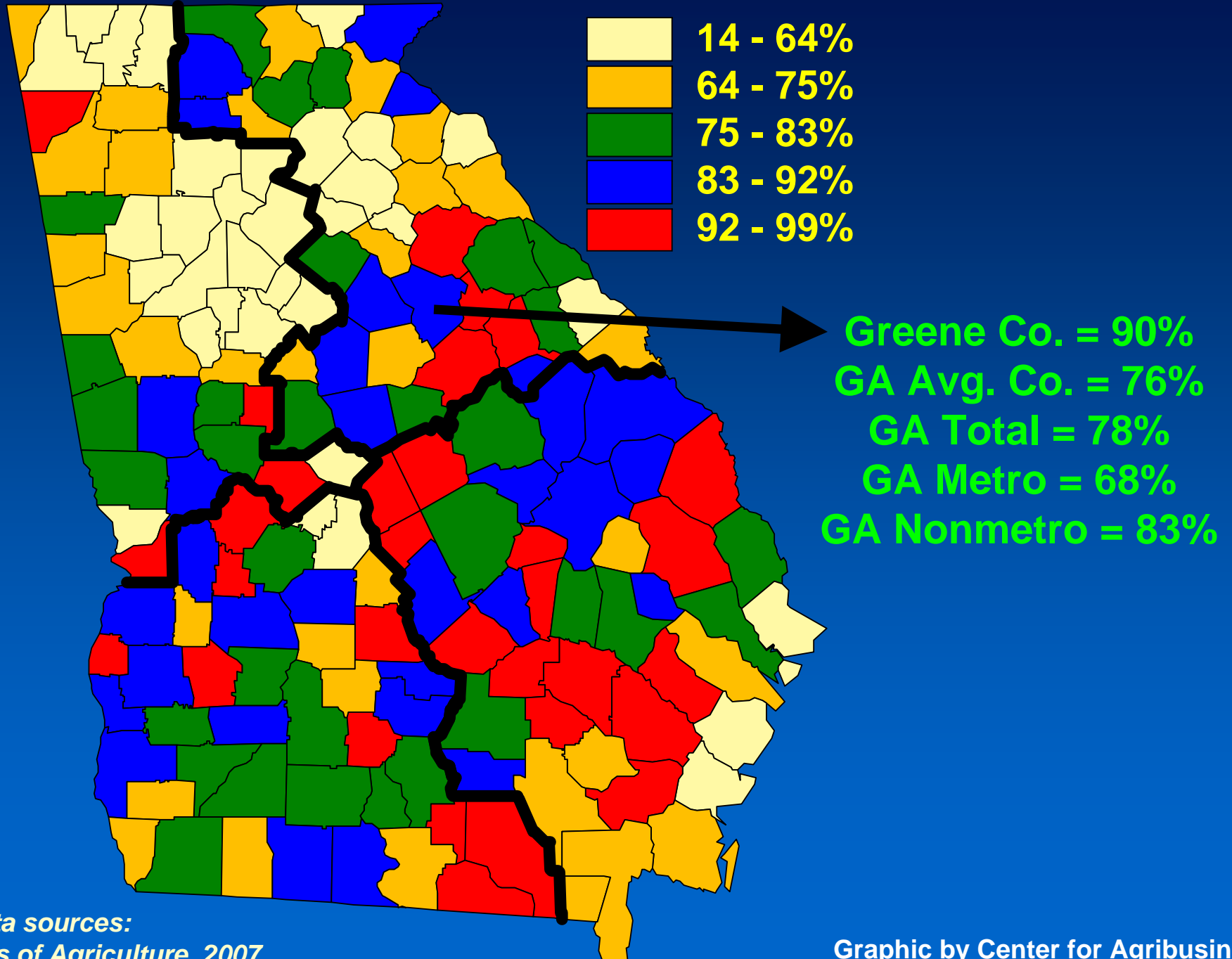
Primary data sources: U.S. Census Bureau, decennial censuses & estimate; CAED Trend (Center for Agribusiness & Economic Development).

Population Change: 2000-2008



Primary data source: U.S. Census Bureau (3/09)

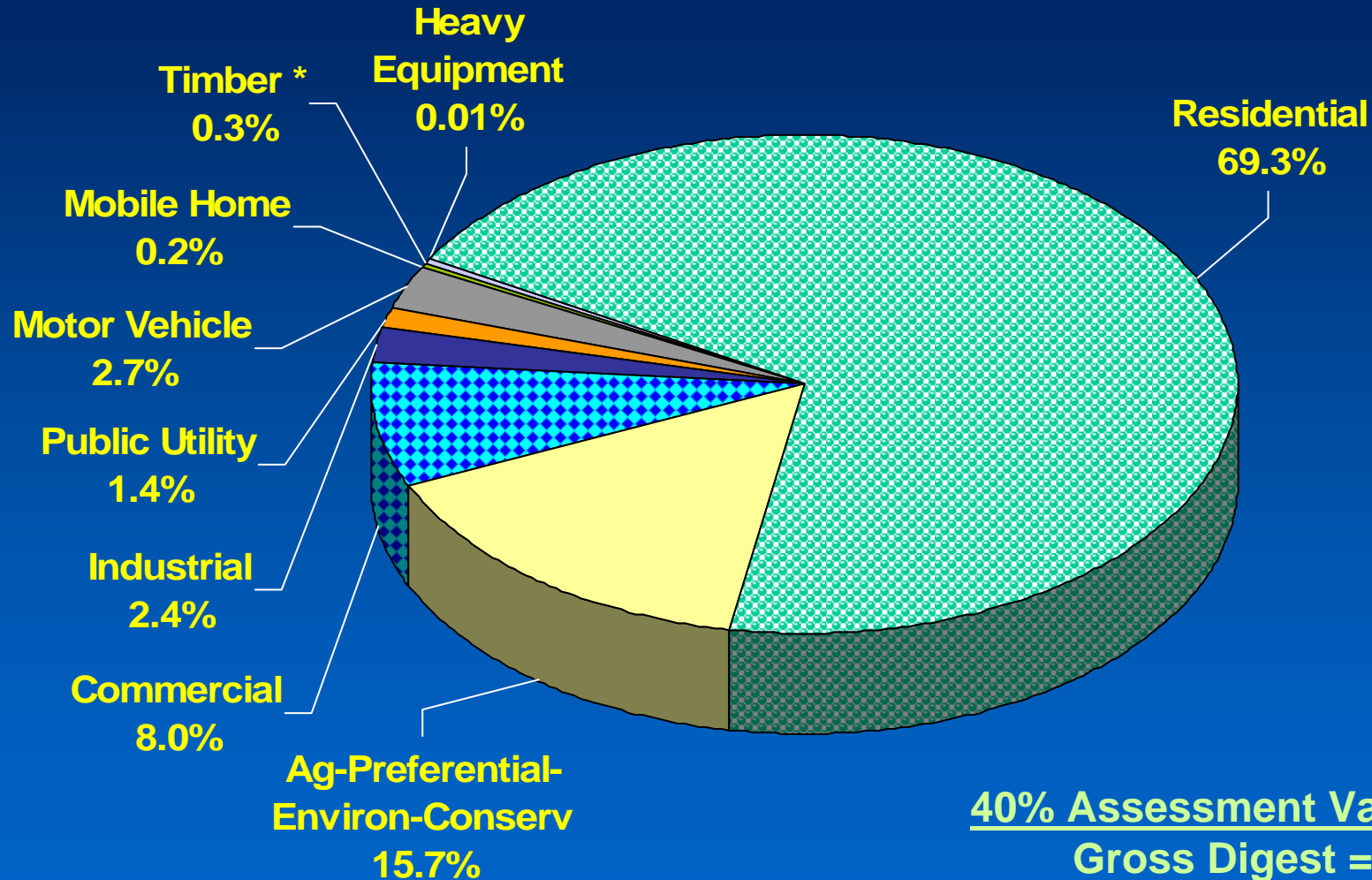
% of Land in Cropland & Timberland



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 Greene County



40% Assessment Value of Property

Gross Digest = \$1,916,984,781

Homestead & Property Exemptions = \$165,687,963

Net M&O Digest = \$1,751,296,818

Value of exempt property = \$89,140,582

* Timber taxed at 100% based on previous year sales

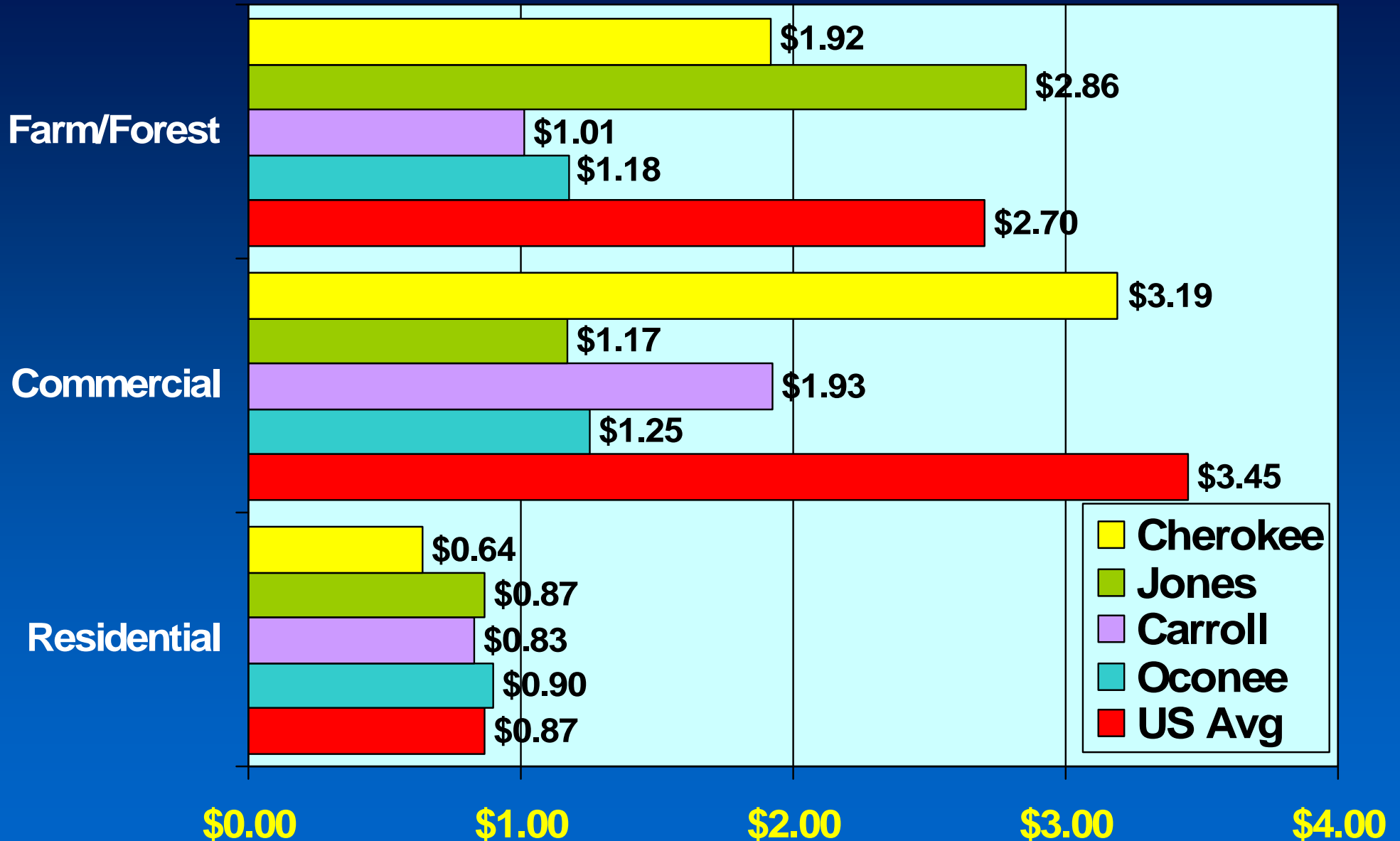
Primary data source:
GA Dept. of Revenue

County Property Tax Digest Comparisons: 2008

County	% Residential	% Agricultural	% Commercial	% Industrial	% Utility	% Motor Veh	% Mobile Home	% Timber
GREENE	69.3	15.7	8.0	2.4	1.4	2.7	0.2	0.31
HANCOCK	45.2	29.7	2.9	2.2	10.8	3.7	2.8	2.58
MORGAN	32.5	46.2	10.9	4.3	1.5	4.0	0.4	0.18
OCONEE	57.2	22.9	11.8	1.2	1.4	5.4	0.1	0.03
OGLETHORPE	39.3	44.9	4.2	0.6	2.3	6.9	0.8	0.88
PUTNAM	68.9	8.8	7.8	2.7	7.5	3.7	0.3	0.20
TALIAFERRO	11.1	69.5	10.1	0.9	2.7	3.1	0.6	2.10
Avg. GA Co.	42.3	24.6	12.6	6.9	4.8	7.0	1.0	0.72

Revenue : Expenditure Ratios

\$ of Revenue for Each \$ of Expenditure

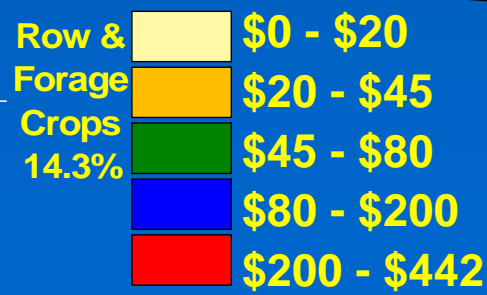
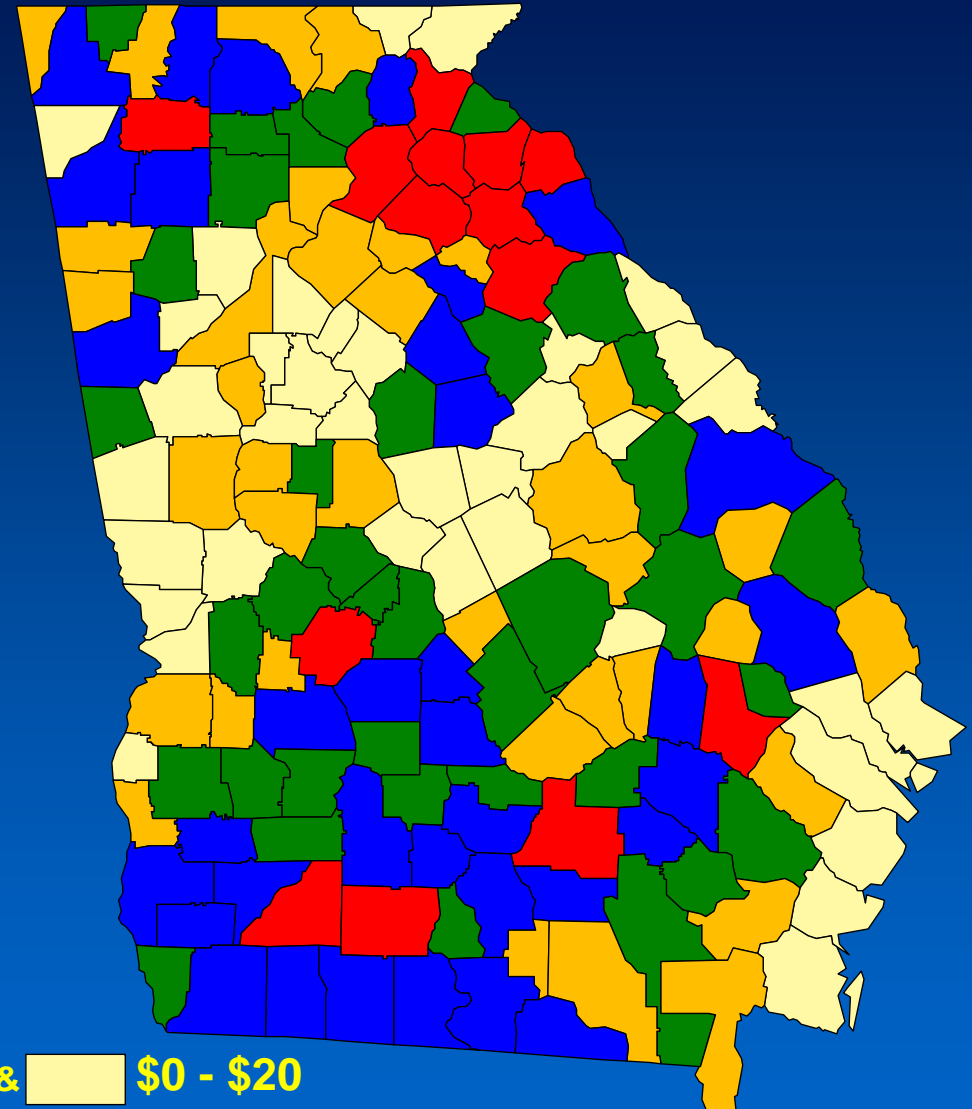
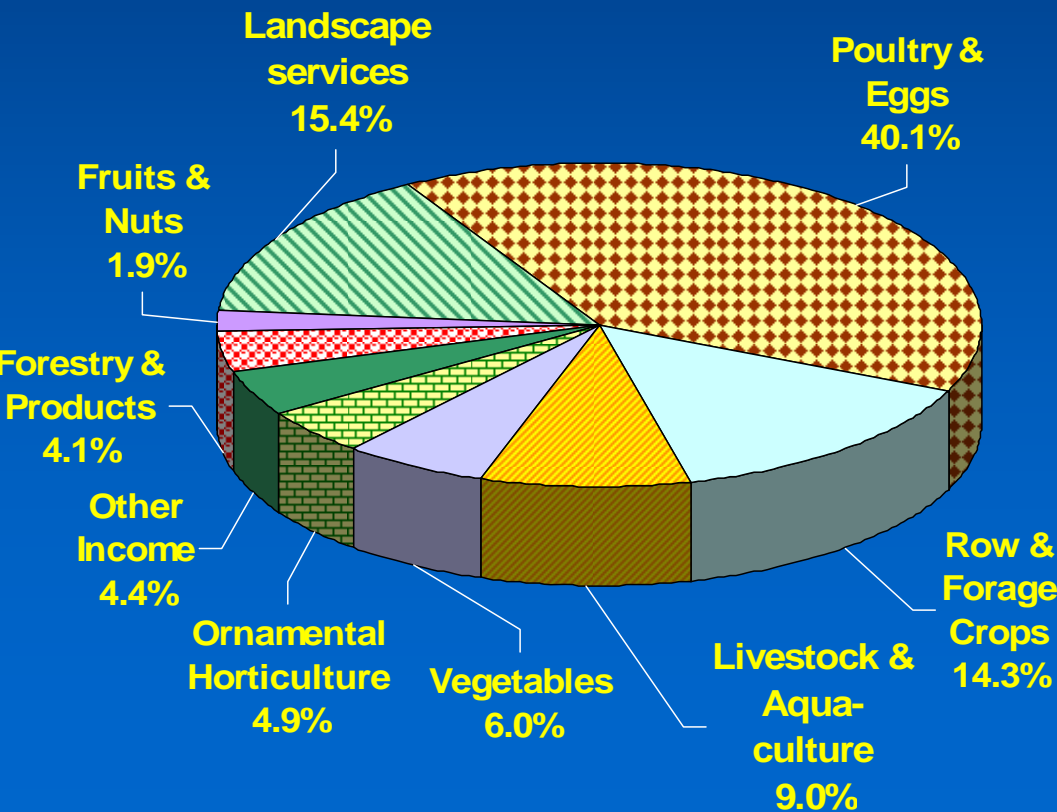


Agriculture in Georgia

- 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 \$63 billion *output impact* on Georgia's \$771 billion economy.

Production Agriculture: 2008

Georgia Total
Agricultural
Production Value
\$11.9 Billion



2008 Farm Gate Value by County in Millions of Dollars

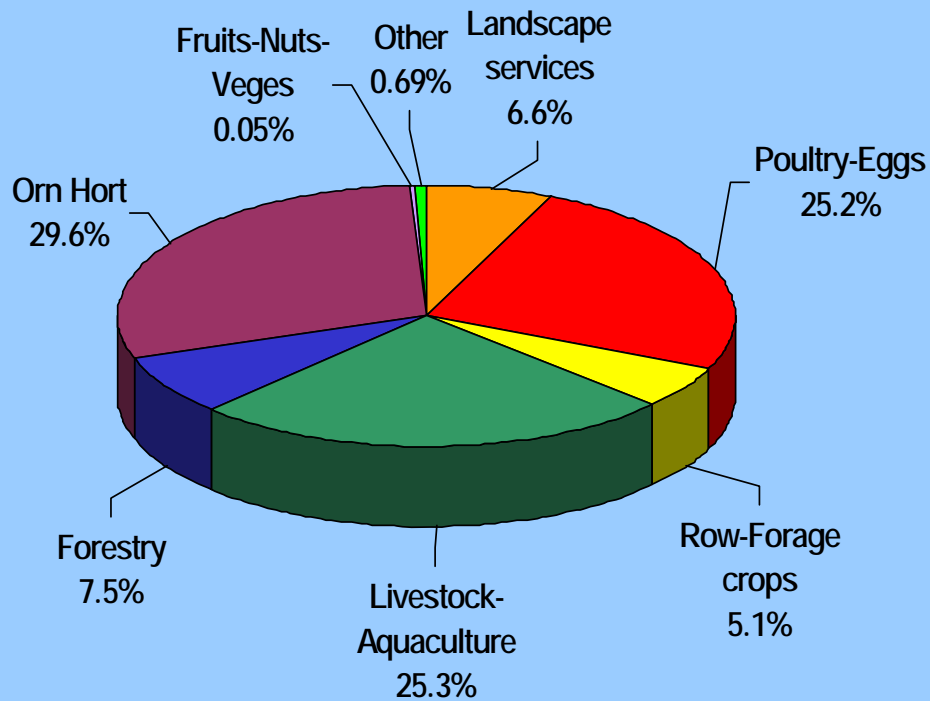
What We Know about Greene County

- 2008 Farm Gate Value in Greene Co. was \$74.1 million. Adding \$5.2 million of landscape services increased the total agricultural production value to \$79.3 million.
- The highest value commodity group was ornamental horticulture, representing 29.6% of the total agricultural production value.

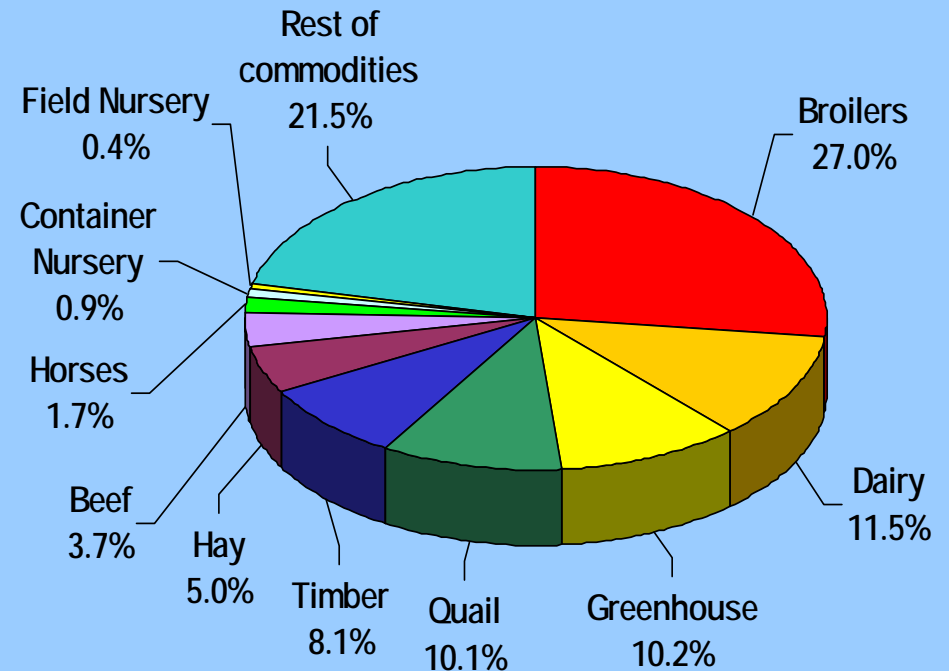
Greene County

2008 Agricultural Production Value

2008 Agricultural Production



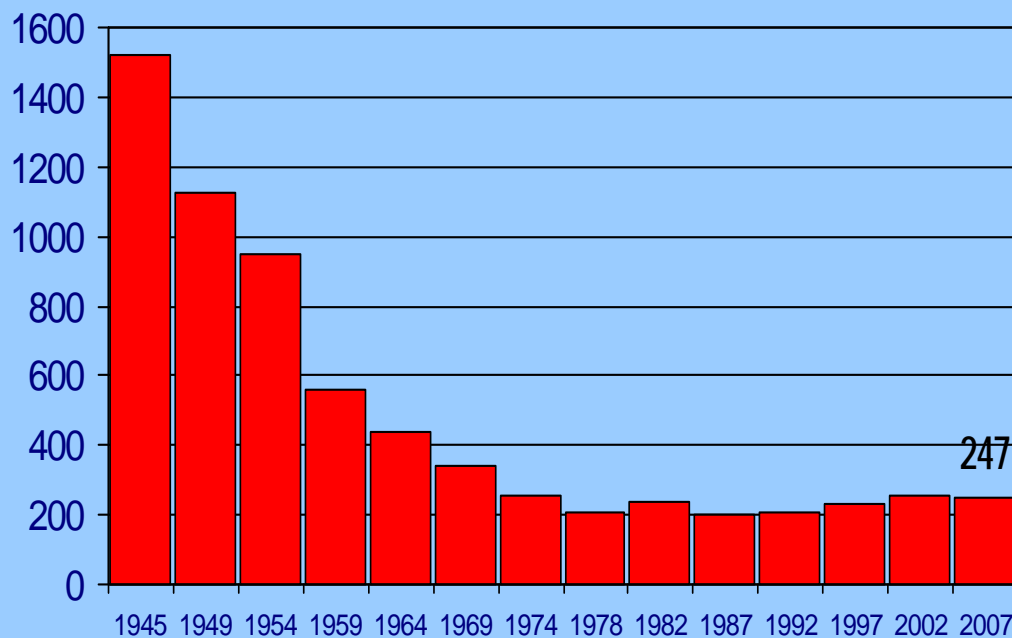
2008 Top Farm Gate Commodities



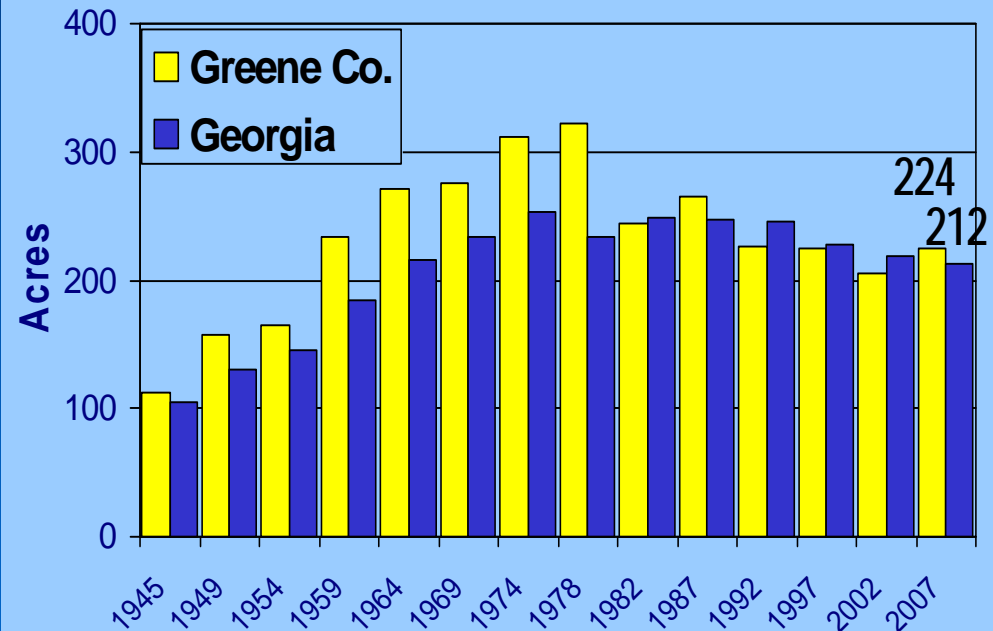
Total AG Value = \$79.3 million

Trends in Greene County: Number of Farms & Average Farm Size

Number of Farms, Greene County

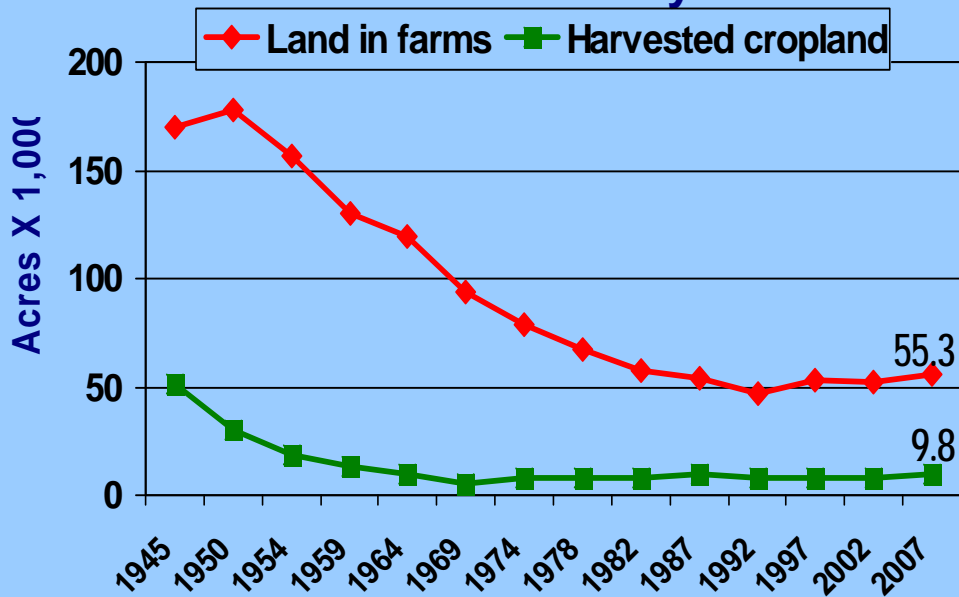


Average Farm Size

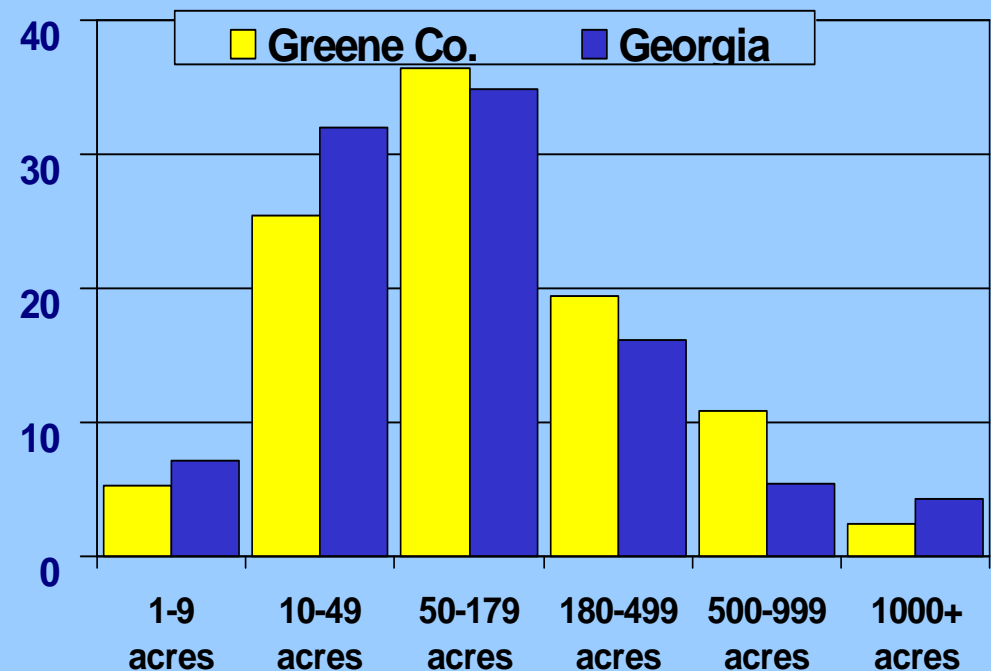


Trends in Greene County: Land in Farms, Harvested Cropland & Farms by Size

Land in Farms & Harvested Cropland
Greene County

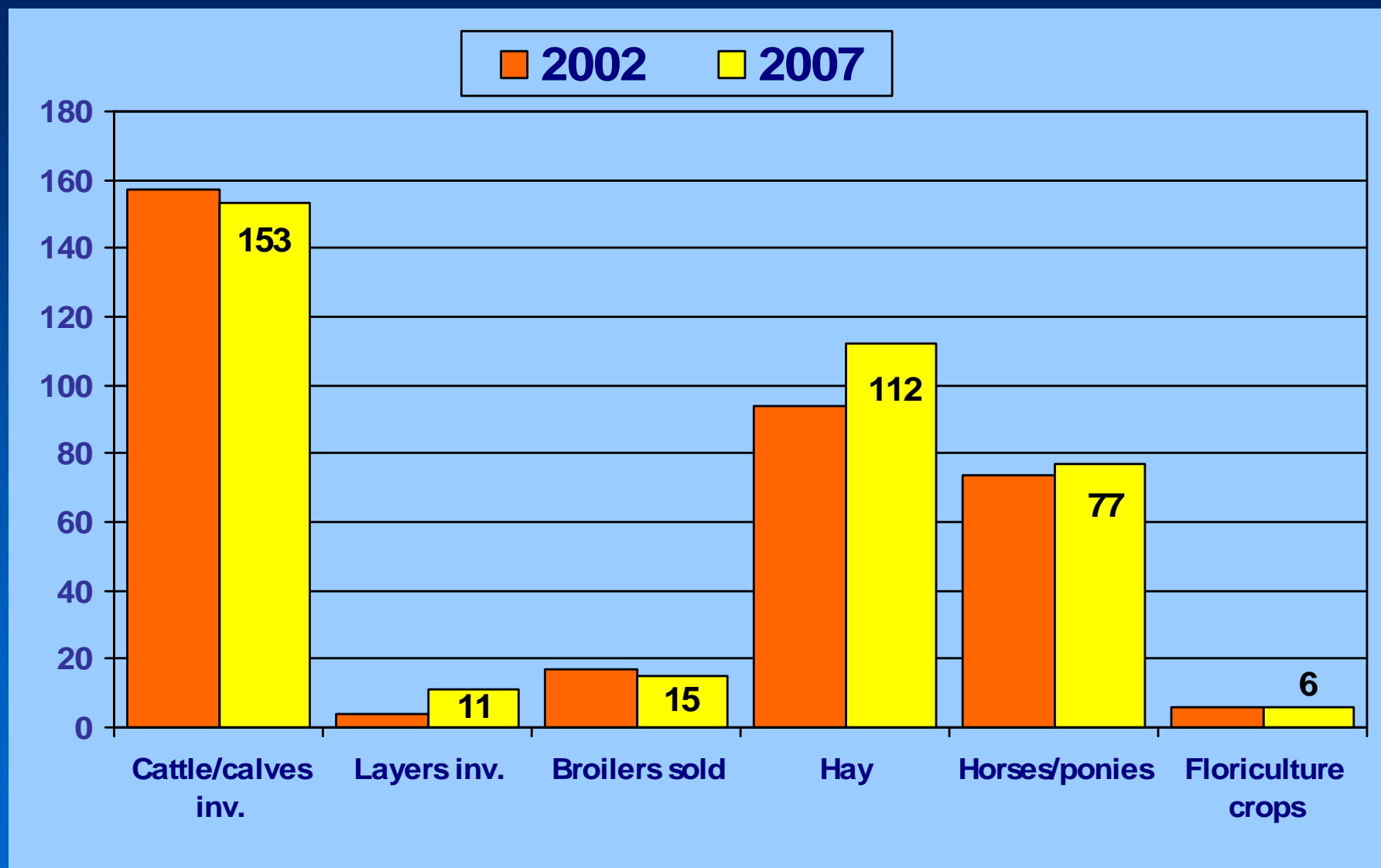


Percent of Farms by Size, 2007



Trends in Greene County

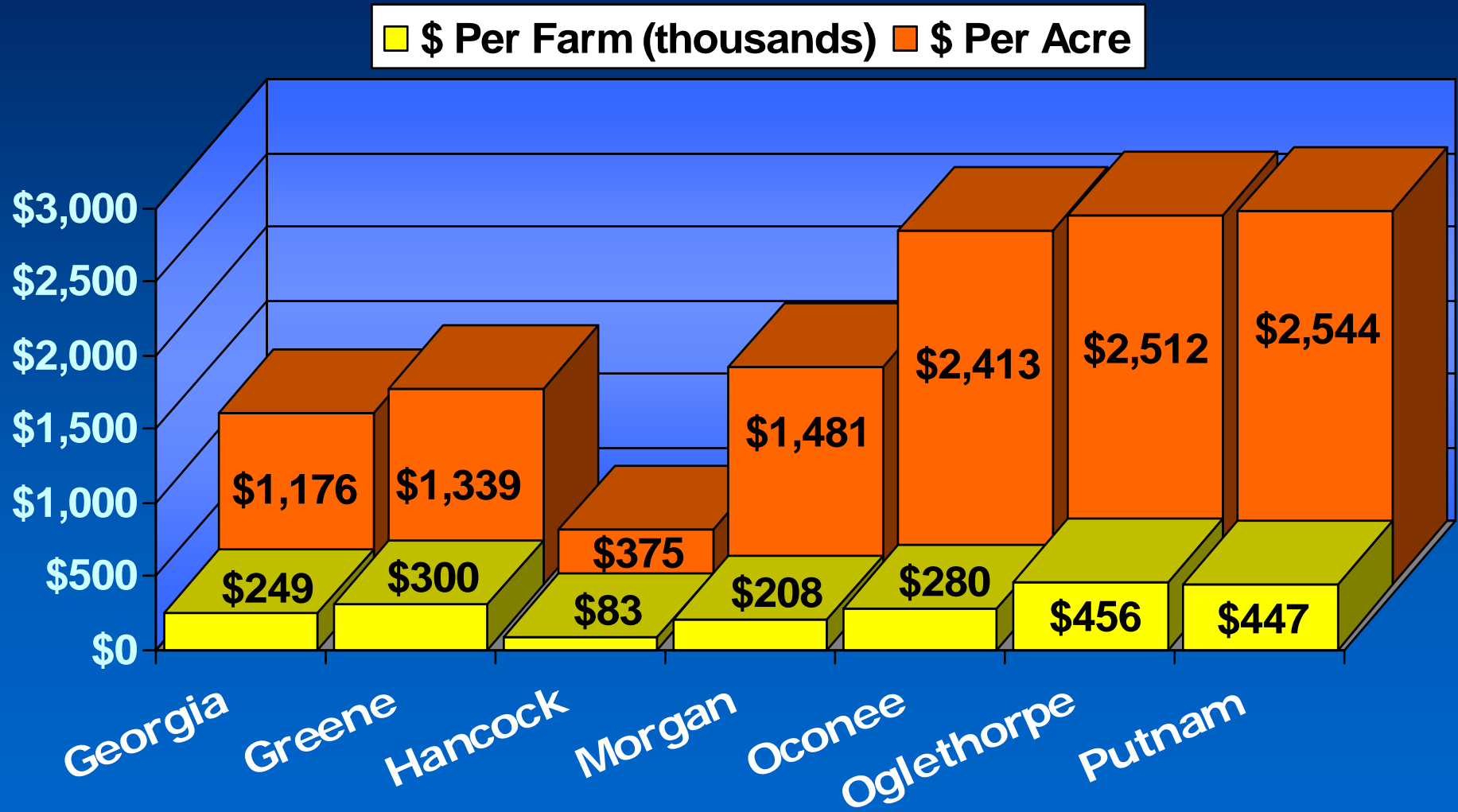
Number of Farms by Commodity



Source: 2002-2007 (quinquennial) Censuses of Agriculture

How Do We Compare?

Georgia, Greene and Surrounding Counties Farm Gate Value



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?

Greene County Economy

Agriculture *OUTPUT*

	Output in \$ Millions	Percent
Agriculture	79.329	9.3
Mining	7.435	0.9
Construction	159.927	18.8
Manufacturing	208.443	24.6
Trans-Utilities-Info	21.500	2.5
Trade	61.259	7.2
Finance-Ins-RE	112.480	13.2
Services	152.958	18.0
Government	45.639	5.4

Total County Economic Output = \$849 million

Greene County Economy

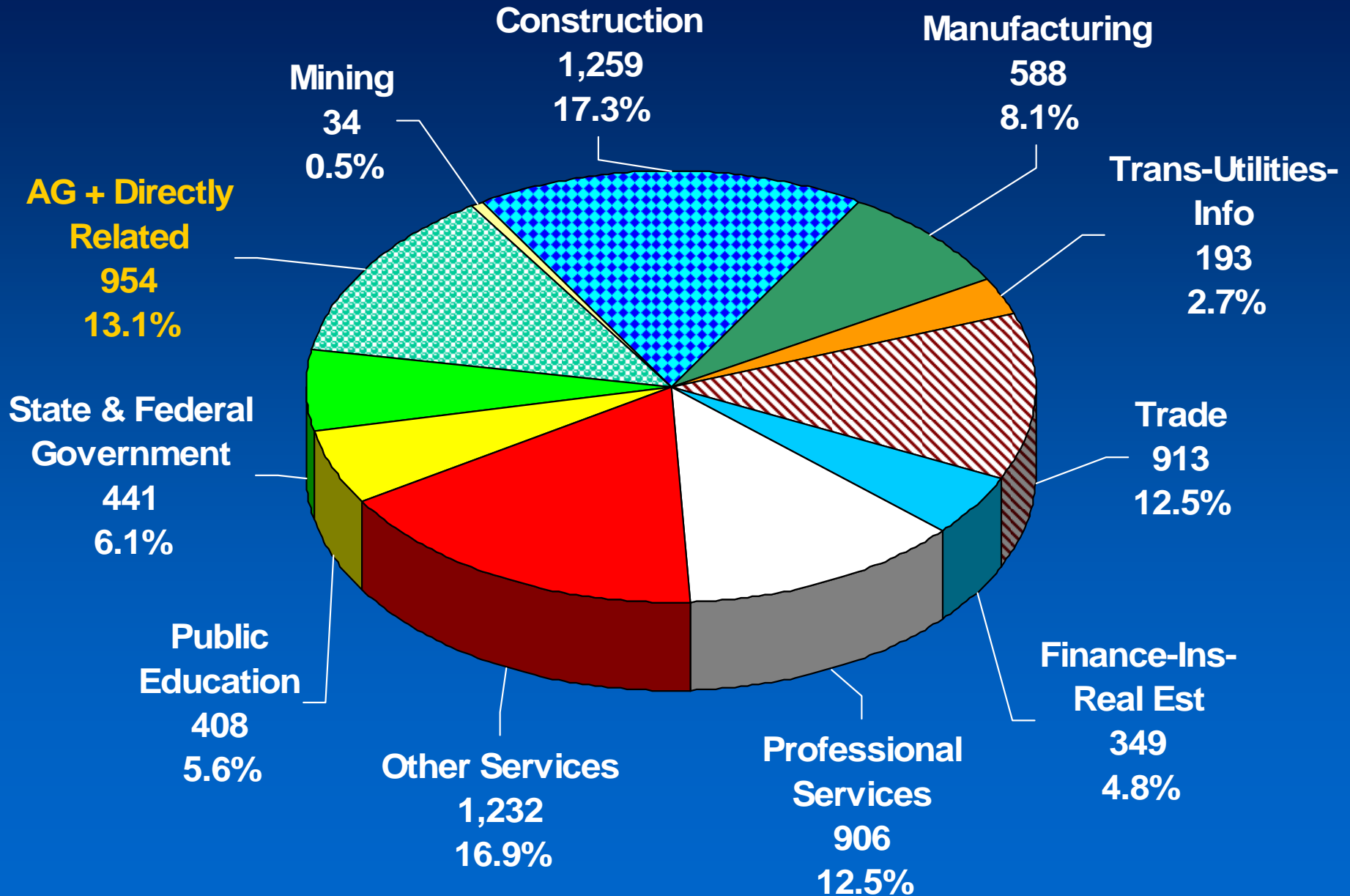
Agriculture + Directly Related Businesses *OUTPUT*

	Output in \$ Millions	Percent
Agriculture + Direct	126.388	14.9
Mining	7.435	0.9
Construction	159.927	18.8
Manufacturing	161.384	19.0
Trans-Utilities-Info	21.500	2.5
Trade	61.259	7.2
Finance-Ins-Real Est	112.480	13.2
Services	152.958	18.0
Government	45.639	5.4

Total County Economic Output = \$849 million

Greene County Employment

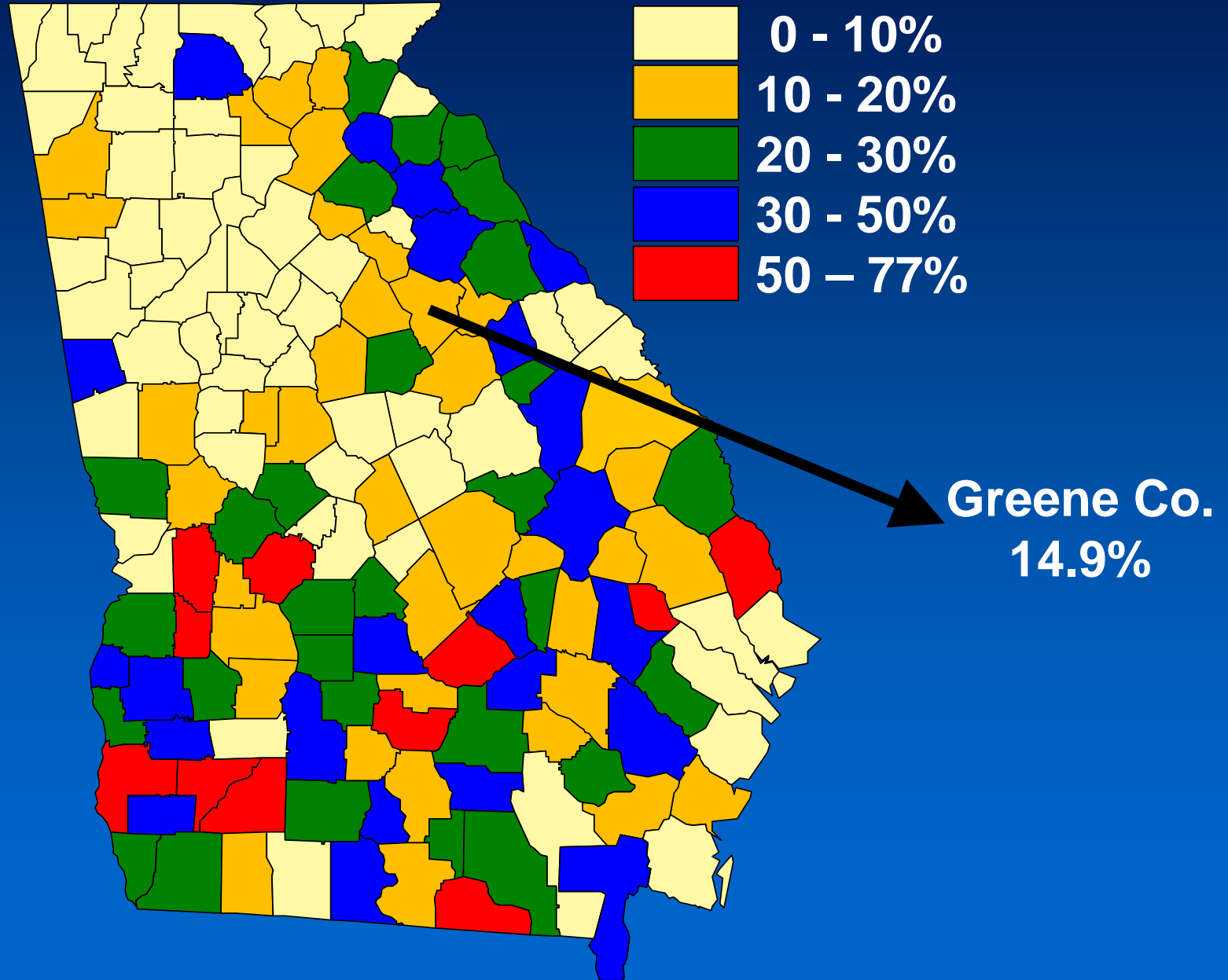
Total Jobs = 7,276



An Economic Snapshot of Greene County

- How much of Greene County's total economic output comes from food and fiber production?
- AG value alone of \$79.3 million consisting of Farm Gate Value and landscape services comprises 9.3% of the county's economy.
- AG plus directly related businesses (ex. logging, sawmills, etc.) comprise 14.9% of the county's economy.

Food and Fiber Production and Directly Related Manufacturing as % of Total Output

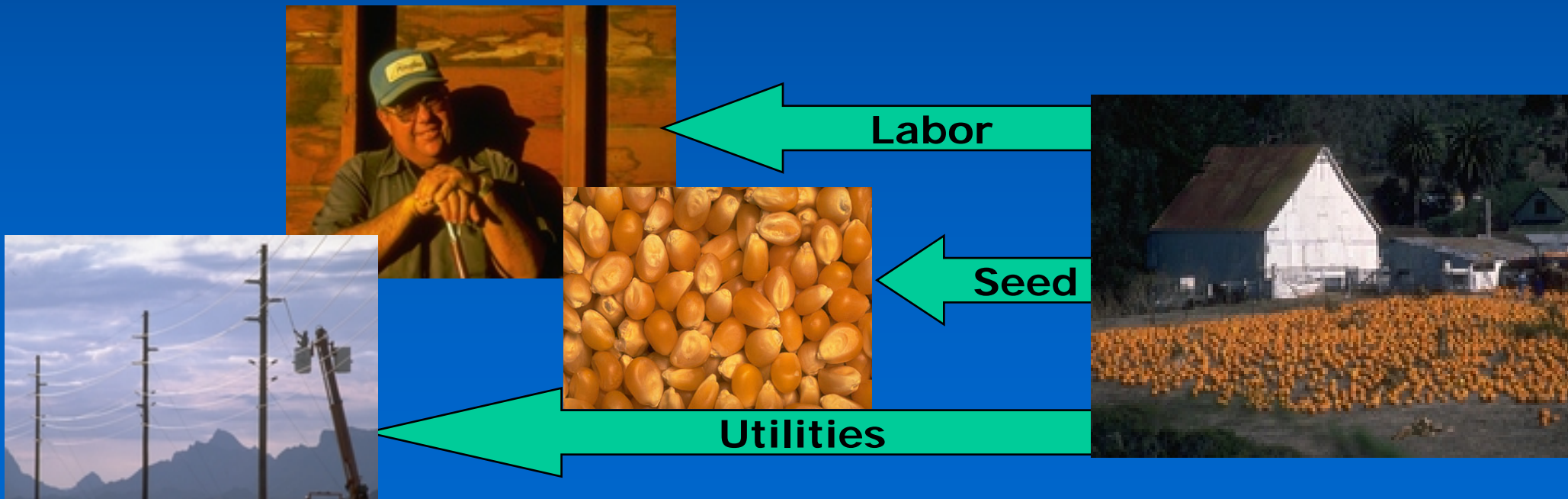


What is the Impact?

- 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.



Greene County

Agriculture *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture	79.329	0
Mining	0	0.038
Construction	0	0.549
Manufacturing	0	0.465
Trans-Utilities-Info	0	1.069
Trade	0	1.796
Finance-Ins-Real Est	0	5.118
Services	0	5.427
Government	0	0.293
Total	79.329	14.754

Total Impact of Production AG = \$94.1 million
 11.1% of total economy

Greene County

Production Agriculture + Directly Related Businesses *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture + Direct	126.388	0
Mining	0	0.057
Construction	0	0.768
Manufacturing	0	0.704
Trans-Utilities-Info	0	1.795
Trade	0	2.766
Finance-Ins-Real Est	0	6.599
Services	0	7.342
Government	0	0.411
Total	126.388	20.441

Total Impact of AG + Directly Related = \$146.8 million
17.3% of total economy

Greene County

Production Agriculture + Directly Related Industries Employment *IMPACT*

	Direct	Indirect
Agriculture + Direct	954	0
Mining	0	0
Construction	0	8
Manufacturing	0	3
Trans-Utilities-Info	0	12
Trade	0	36
Finance-Ins-Real Est	0	21
Services	0	108
Government	0	3

Total Impact of AG + Directly Related Employment = 1,143 Jobs
15.7% of total employment

What These Numbers Mean: A Brief Explanation

- *Direct* impact is \$126.4 million. This includes food and fiber production, processing and directly related manufacturing.
- *Indirect* impact from the Trade sector is \$2.8 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:

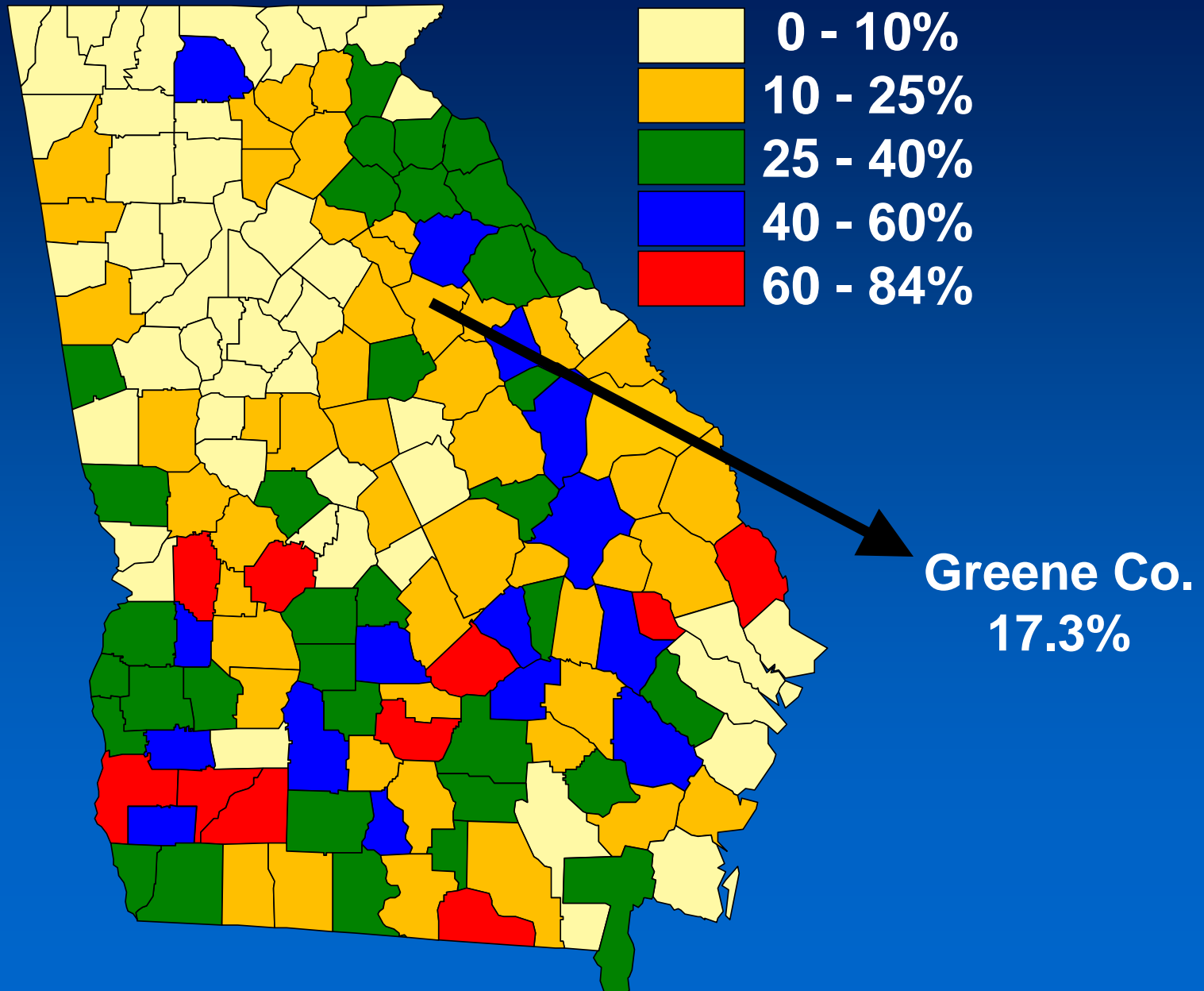
A Brief Explanation (continued)

- 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.

Greene County Food and Fiber Impact Conclusions

- The total *impact* of food and fiber production, processing and direct manufacturing is \$146.8 million.
- The total county *output* is \$849 million.
- Thus, food and fiber (directly and indirectly) account for 17.3% of the total county output.

Food and Fiber Production and Directly Related Manufacturing *IMPACT* as % of Total Output



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

#09-13A

May, 2009

