

The Economic Importance of Food and Fiber

A Spotlight on Troup County, Georgia

Prepared for
Troup County Cooperative Extension
November, 2009

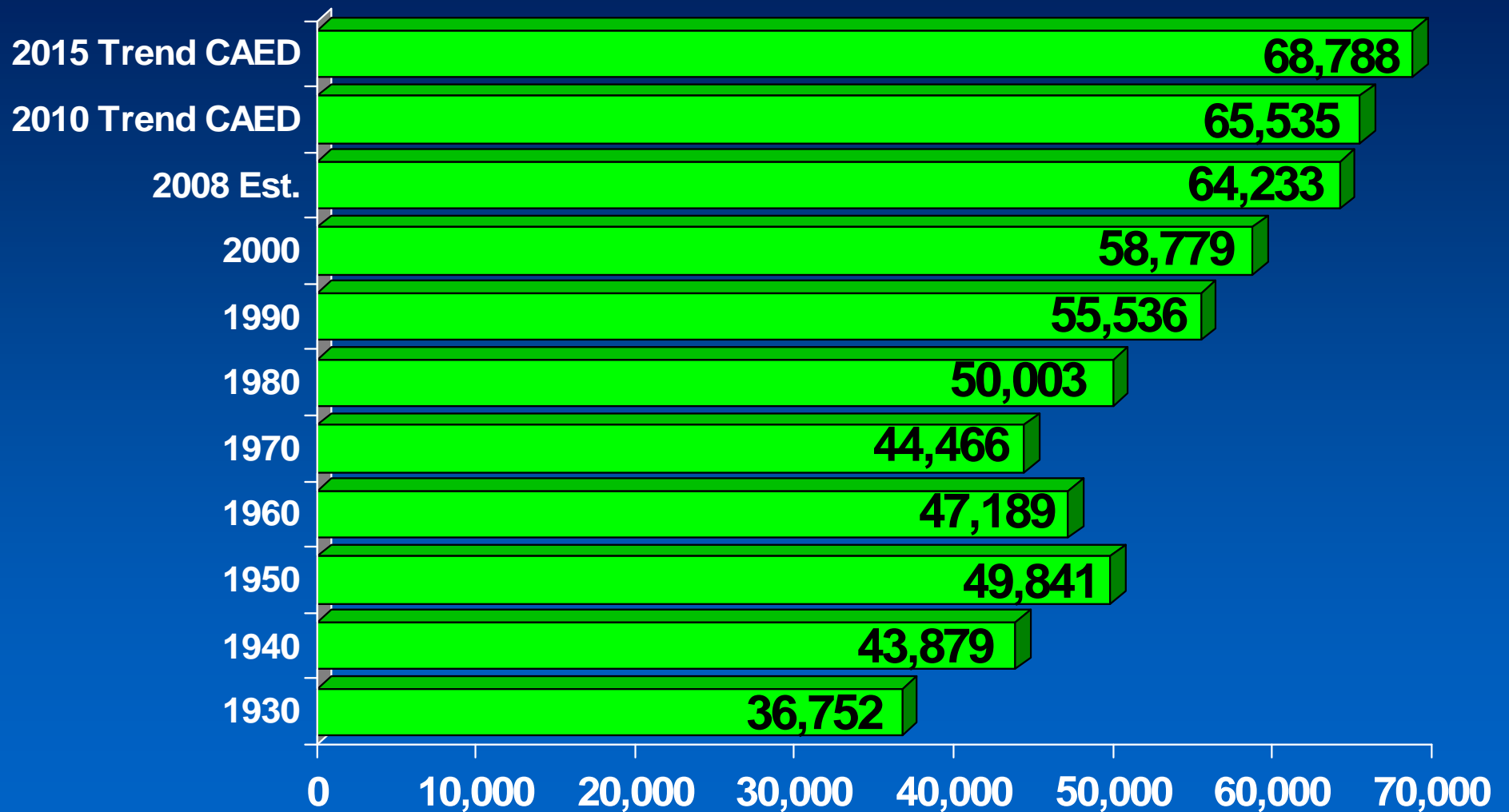
by:

The Center for Agribusiness
and Economic Development

College of Agricultural
and Environmental Sciences

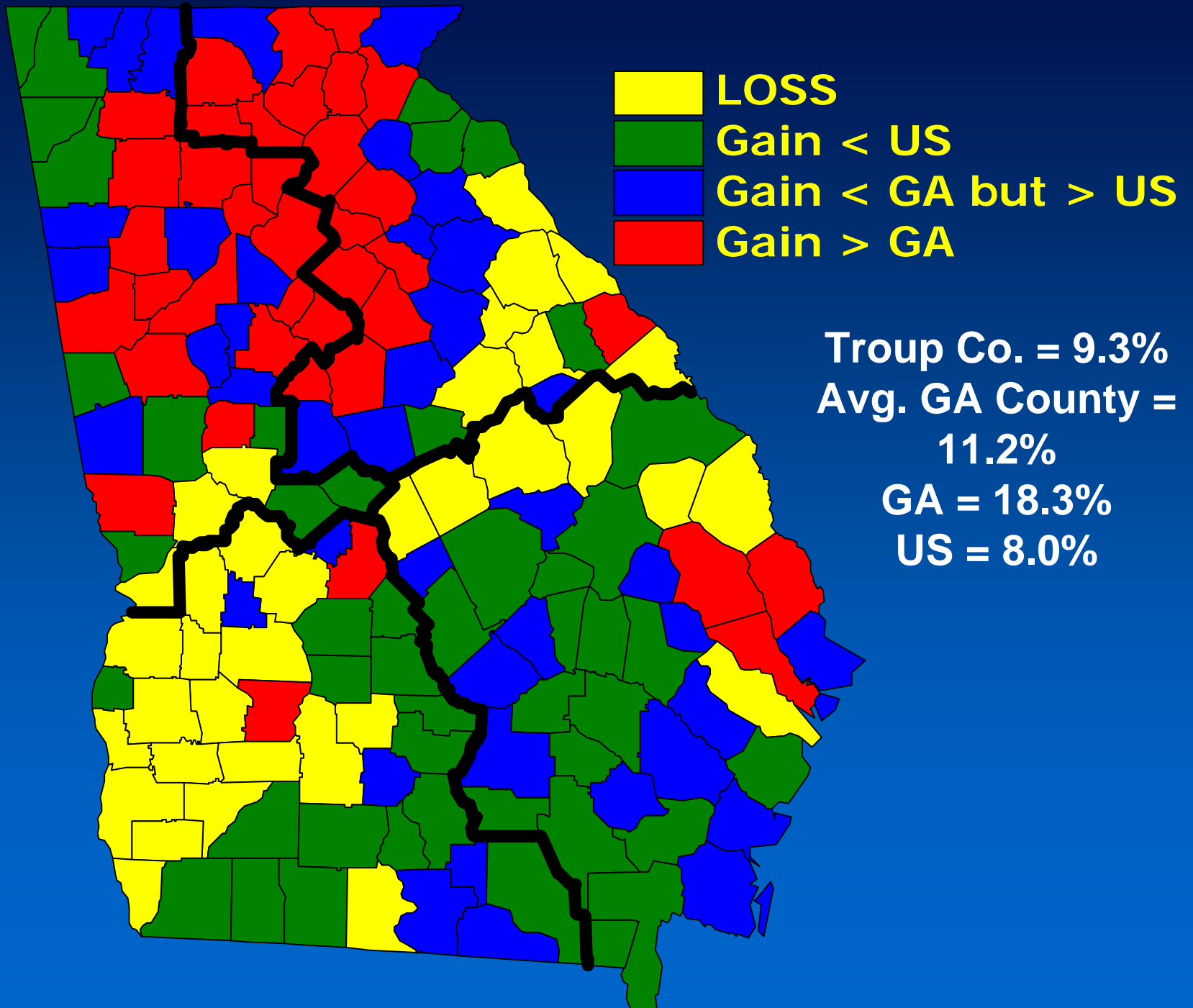
The University of Georgia

Total Population Troup County



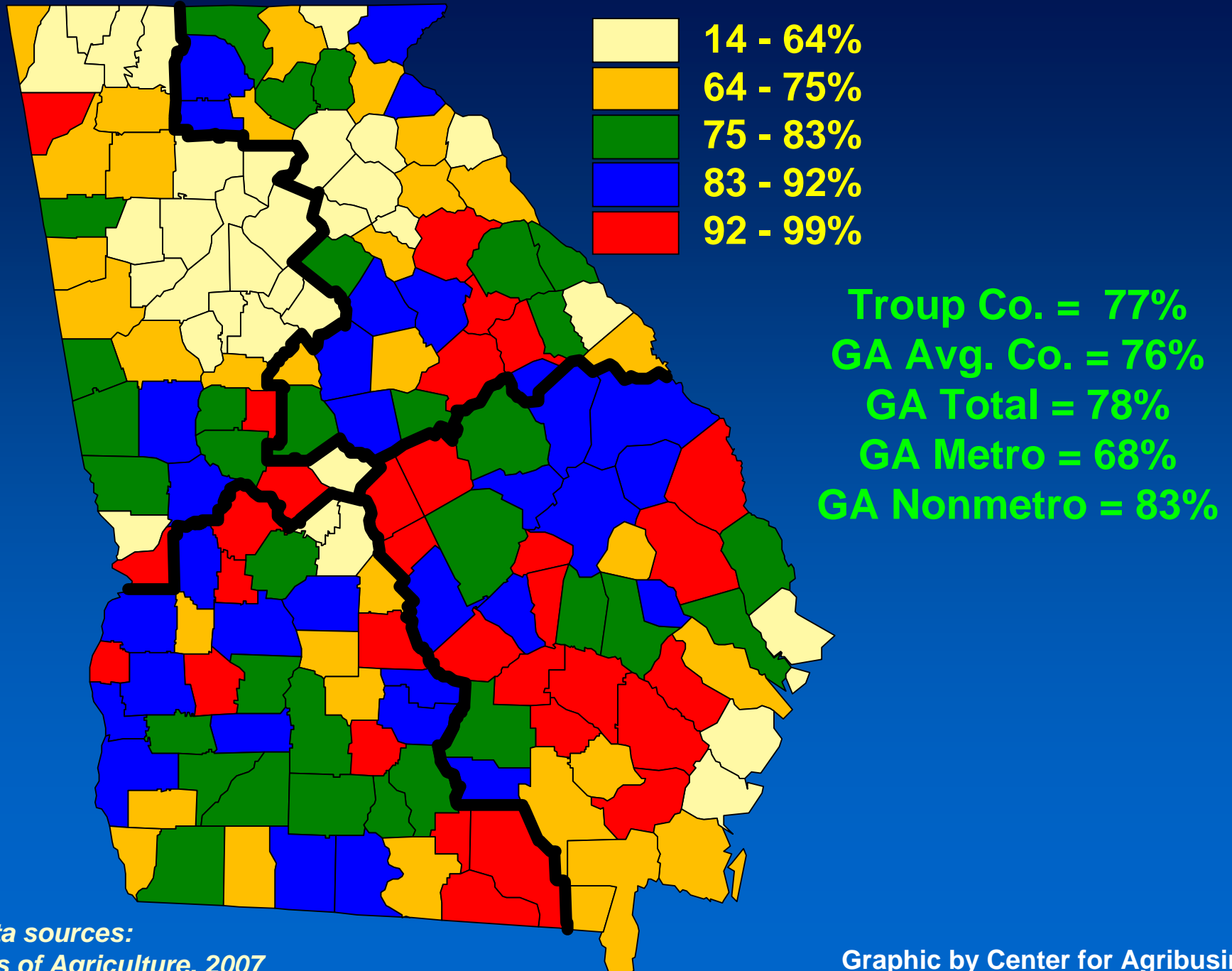
Primary data sources: U.S. Census Bureau, decennial censuses & estimate;
CAED (Center for Agribusiness & Economic Development).

Population Change: 2000-2008



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

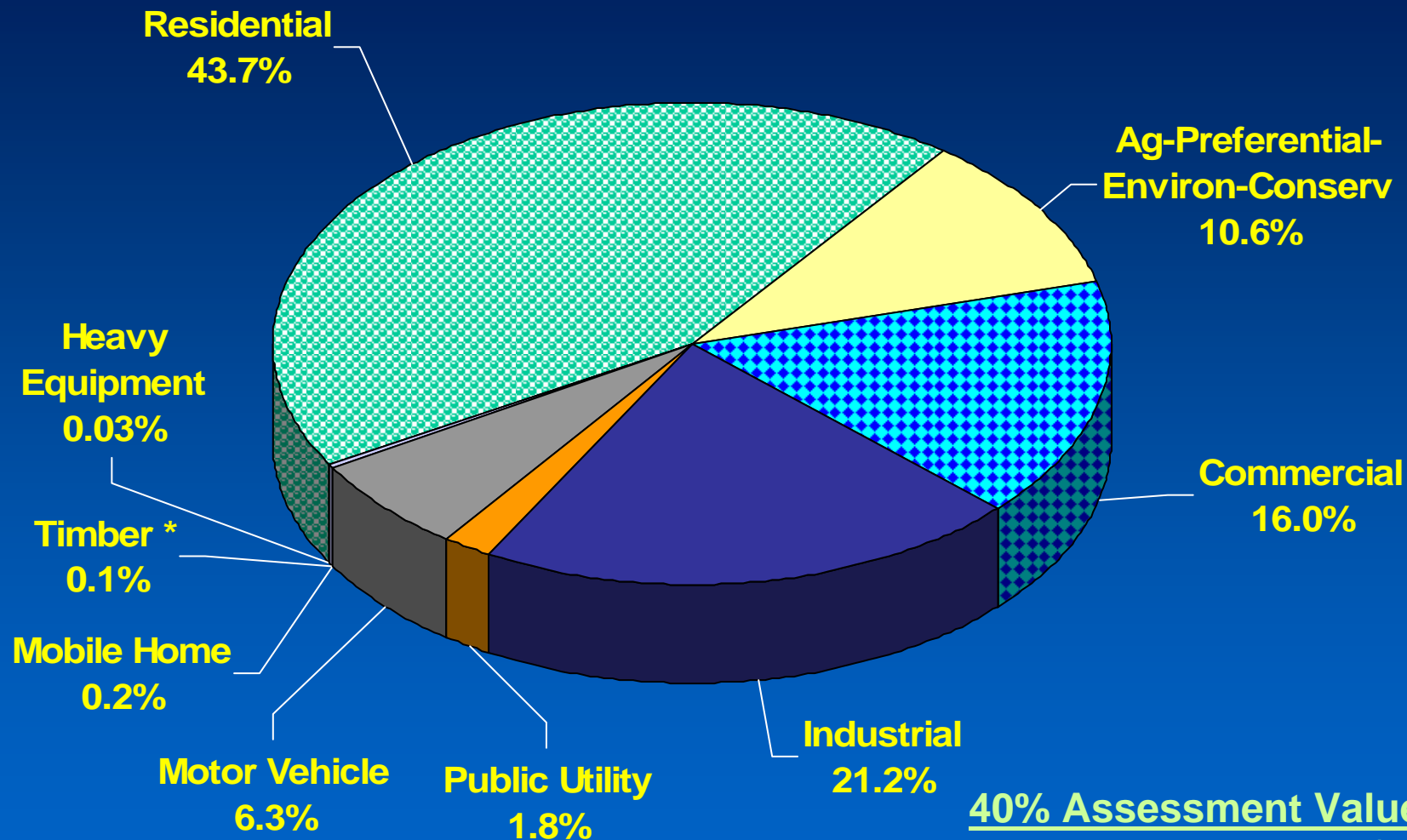
% of Land in Cropland & Timberland



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 Troup County



40% Assessment Value of Property

Gross Digest = \$2,165,890,578

Homestead & Property Exemptions = \$256,781,265

Net M&O Digest = \$1,909,109,313

Value of exempt property = \$272,251,071

* Timber taxed at 100% based on previous year sales

Primary data source:
GA Dept. of Revenue

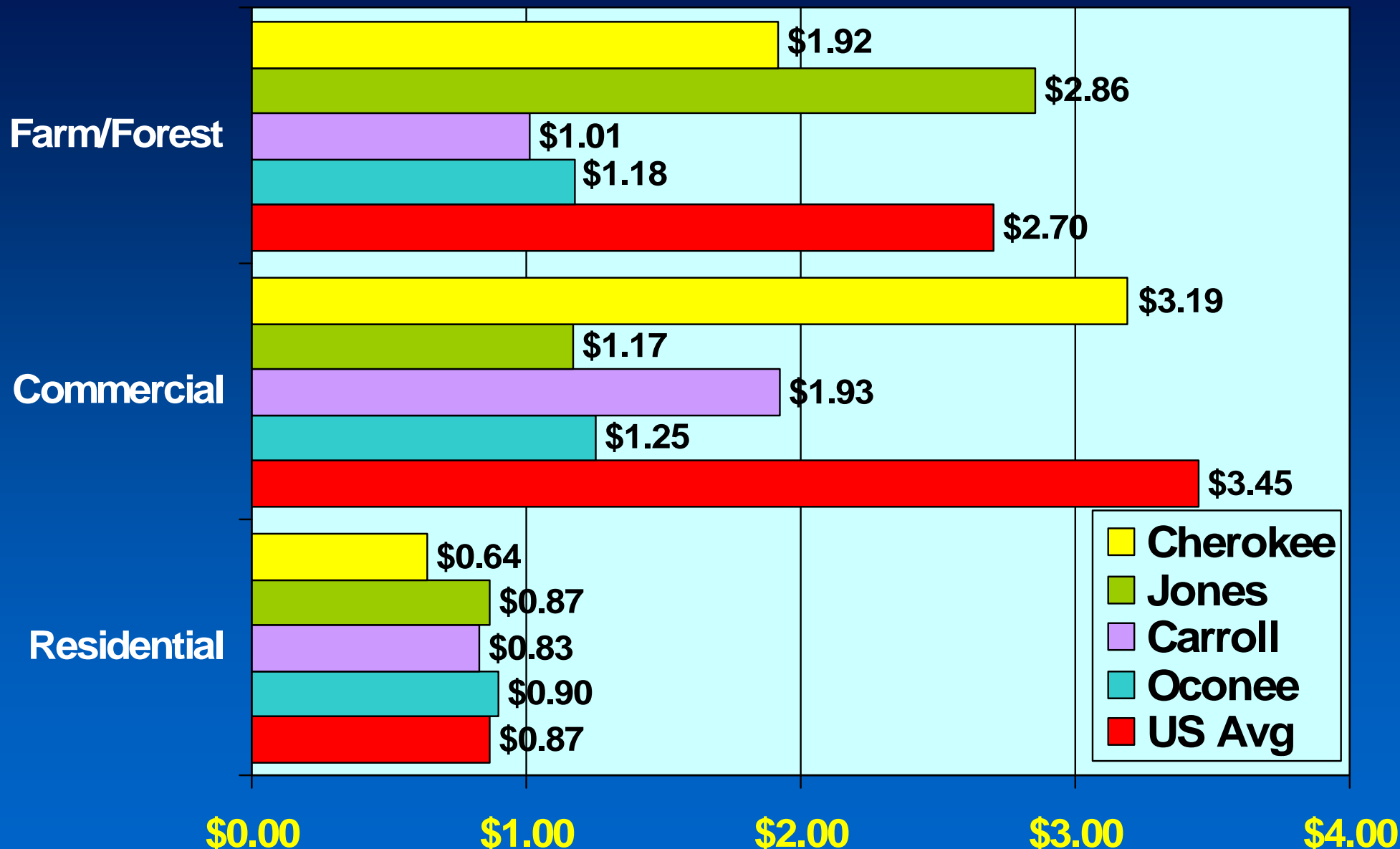
County Property Tax Digest Comparisons: 2008

County	% Residential	% Agricultural	% Commercial	% Industrial	% Utility	% Motor Veh	% Mobile Home	% Timber
TROUP	43.7	10.6	16.0	21.2	1.8	6.3	0.2	0.11
CARROLL	52.4	6.7	17.9	11.2	3.0	8.3	0.4	0.08
COWETA	59.9	7.0	15.5	6.5	4.0	6.9	0.1	0.06
HARRIS	57.4	25.3	3.3	1.0	6.1	6.5	0.2	0.22
HEARD	23.7	27.6	4.1	2.8	34.2	5.4	1.3	0.65
MERIWETHER	32.9	42.2	8.3	3.2	3.8	7.9	1.2	0.48
TALBOT	18.2	46.4	2.3	19.8	7.0	5.1	0.3	0.94
Avg. GA Co.	42.3	24.6	12.6	6.9	4.8	7.0	1.0	0.72

Primary data source: GA Dept. of Revenue (preliminary avg. -- Fulton Co. digest not verified)

Revenue : Expenditure Ratios

\$ of Revenue for Each \$ of Expenditure

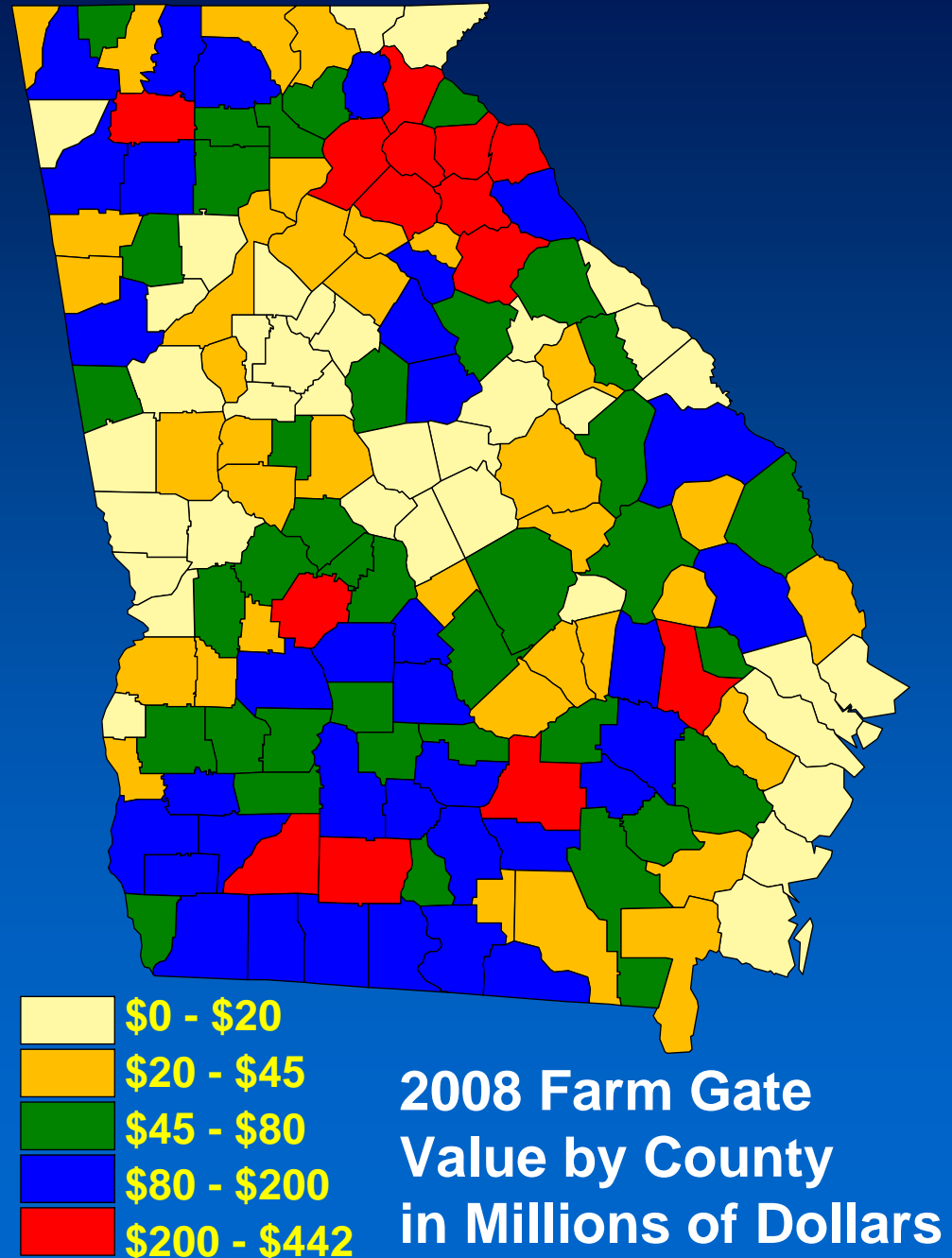
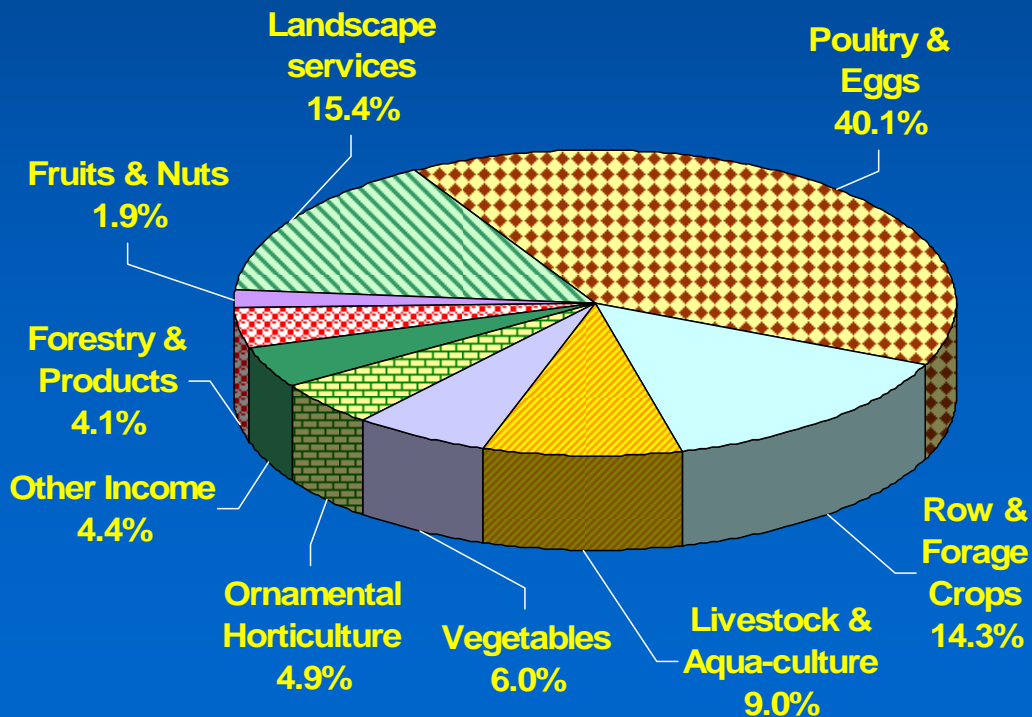


Agriculture in Georgia

- 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



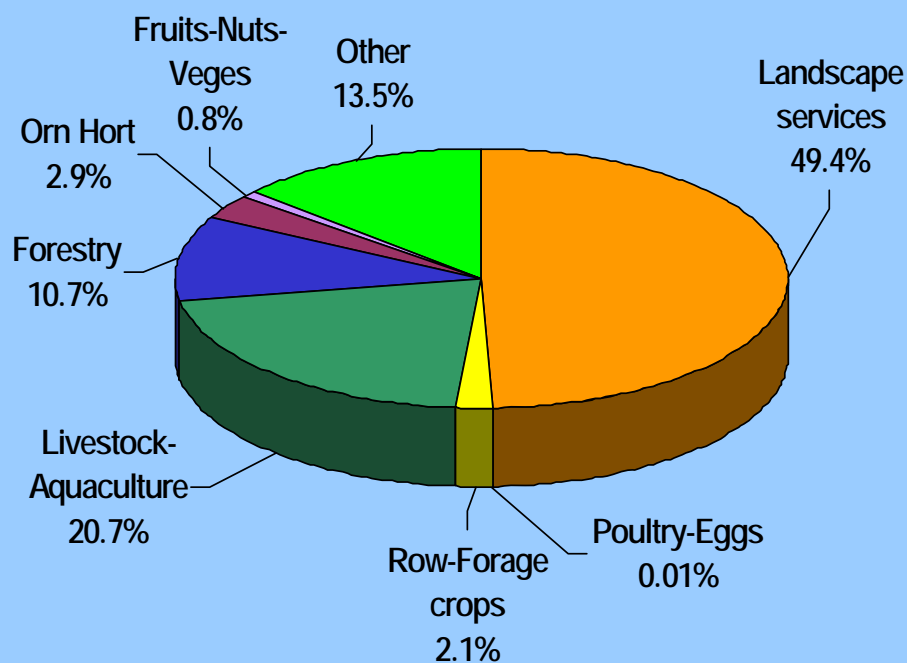
What We Know about Troup County

- 2008 Farm Gate Value in Troup Co. was \$18.7 million. Adding \$18.2 million of landscape services increased the total agricultural production value to \$36.9 million.
- The highest value commodity group was landscape services, representing 49% of the total agricultural production value.

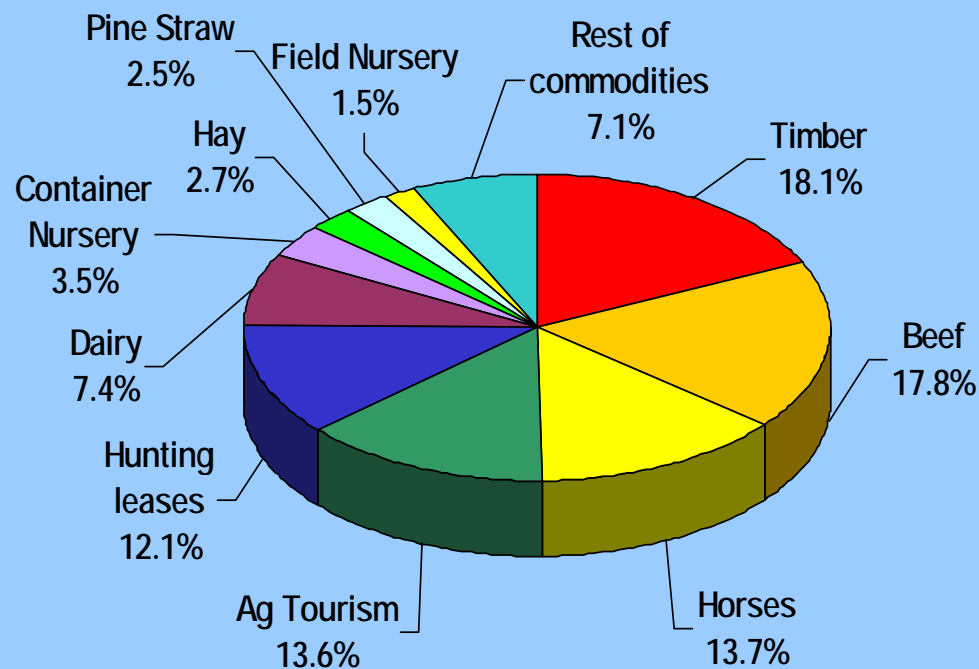
Troup County

2008 Agricultural Production Value

2008 Agricultural Production



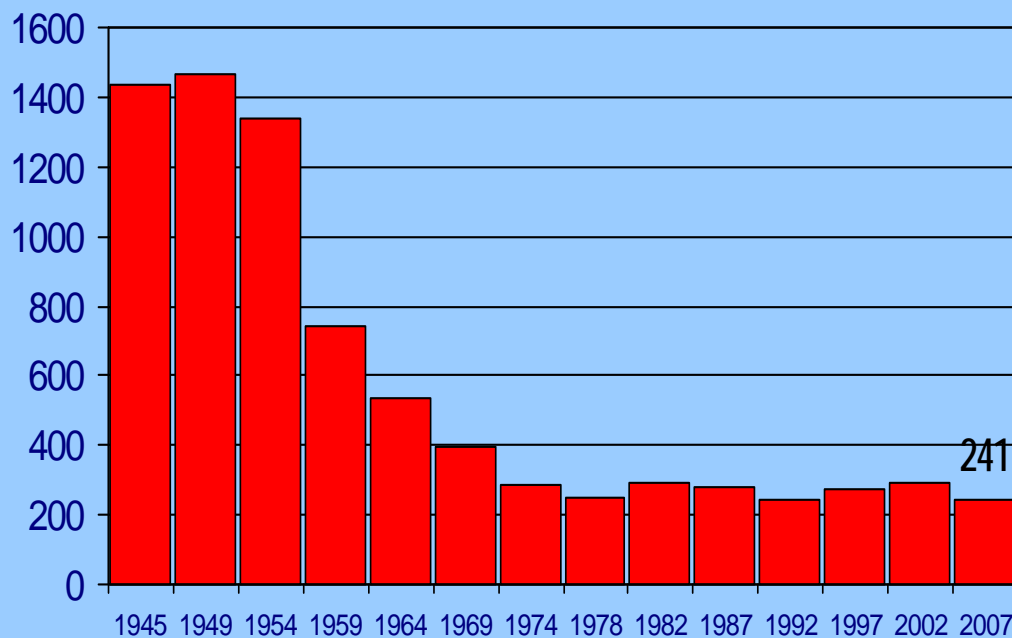
2008 Top Farm Gate Commodities



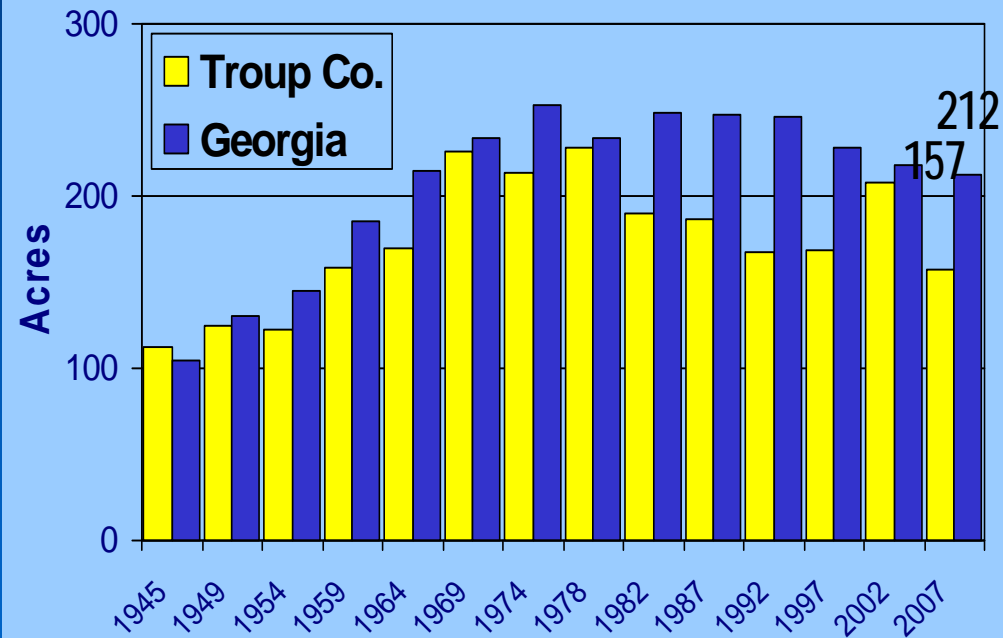
Total AG Value = \$36.9 million

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

Number of Farms, Troup County



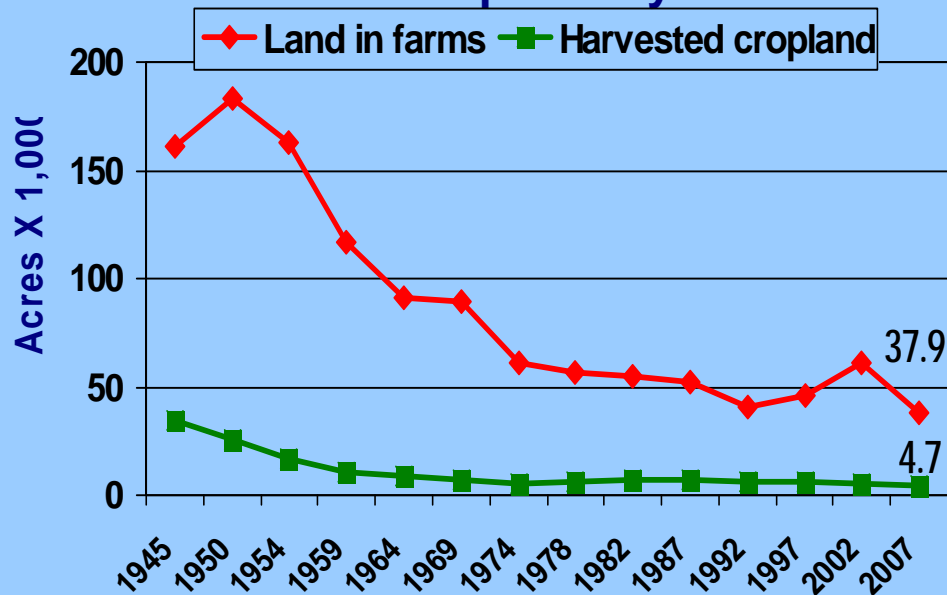
Average Farm Size



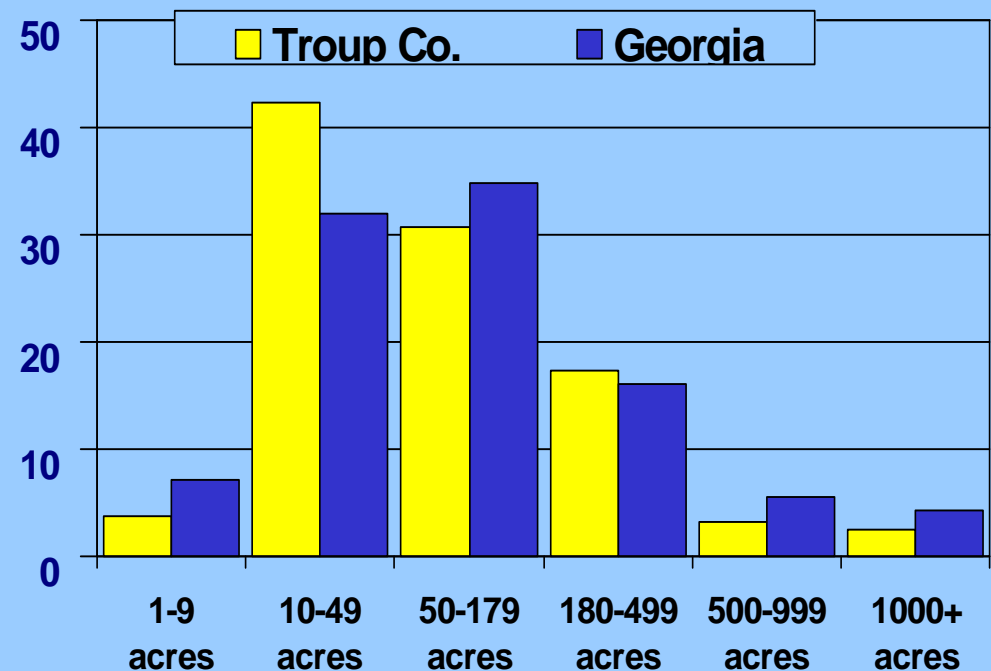
Trends in Troup County:

Land in Farms, Harvested Cropland & Farms by Size

Land in Farms & Harvested Cropland
Troup County

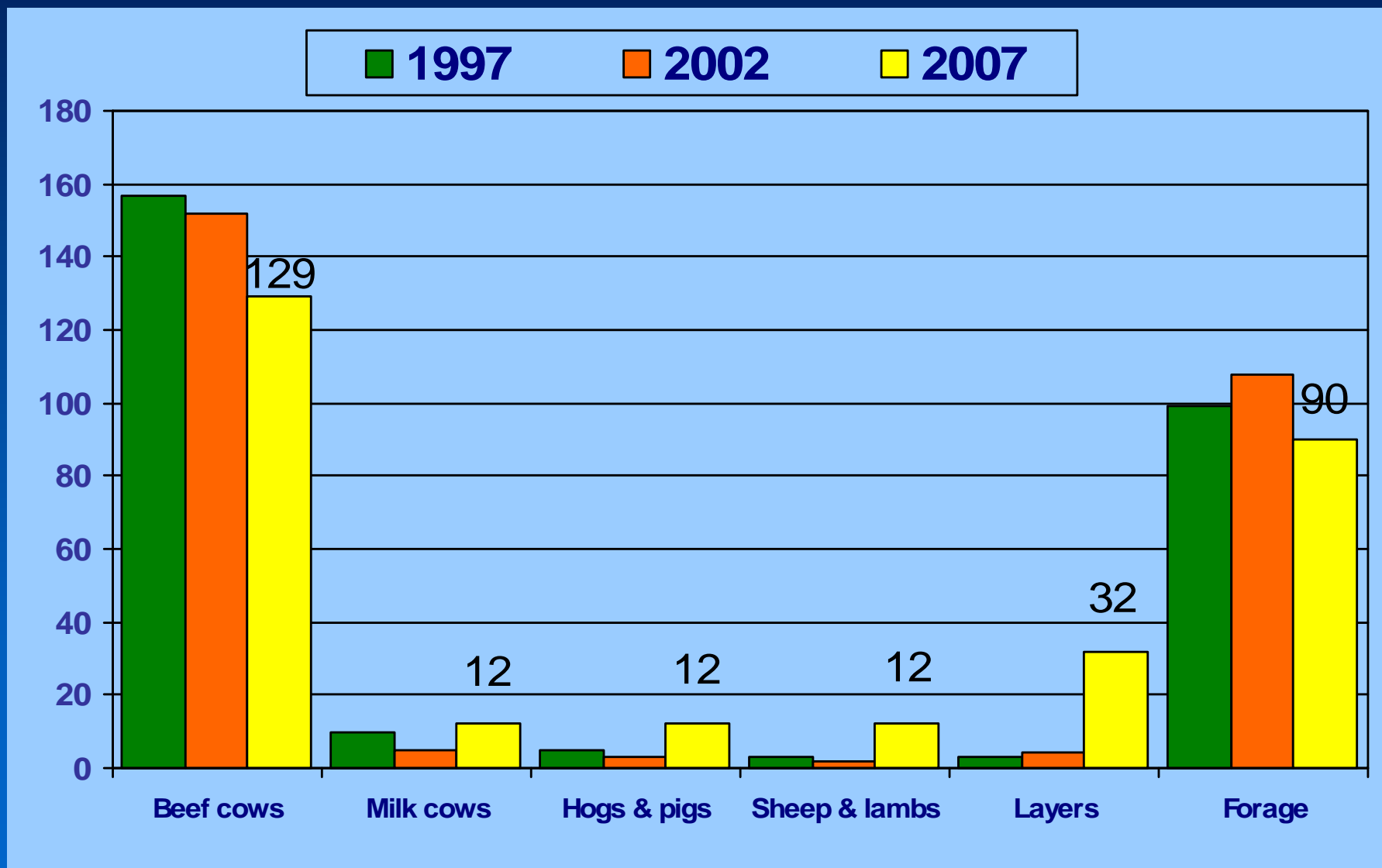


Percent of Farms by Size, 2007



Trends in Troup County

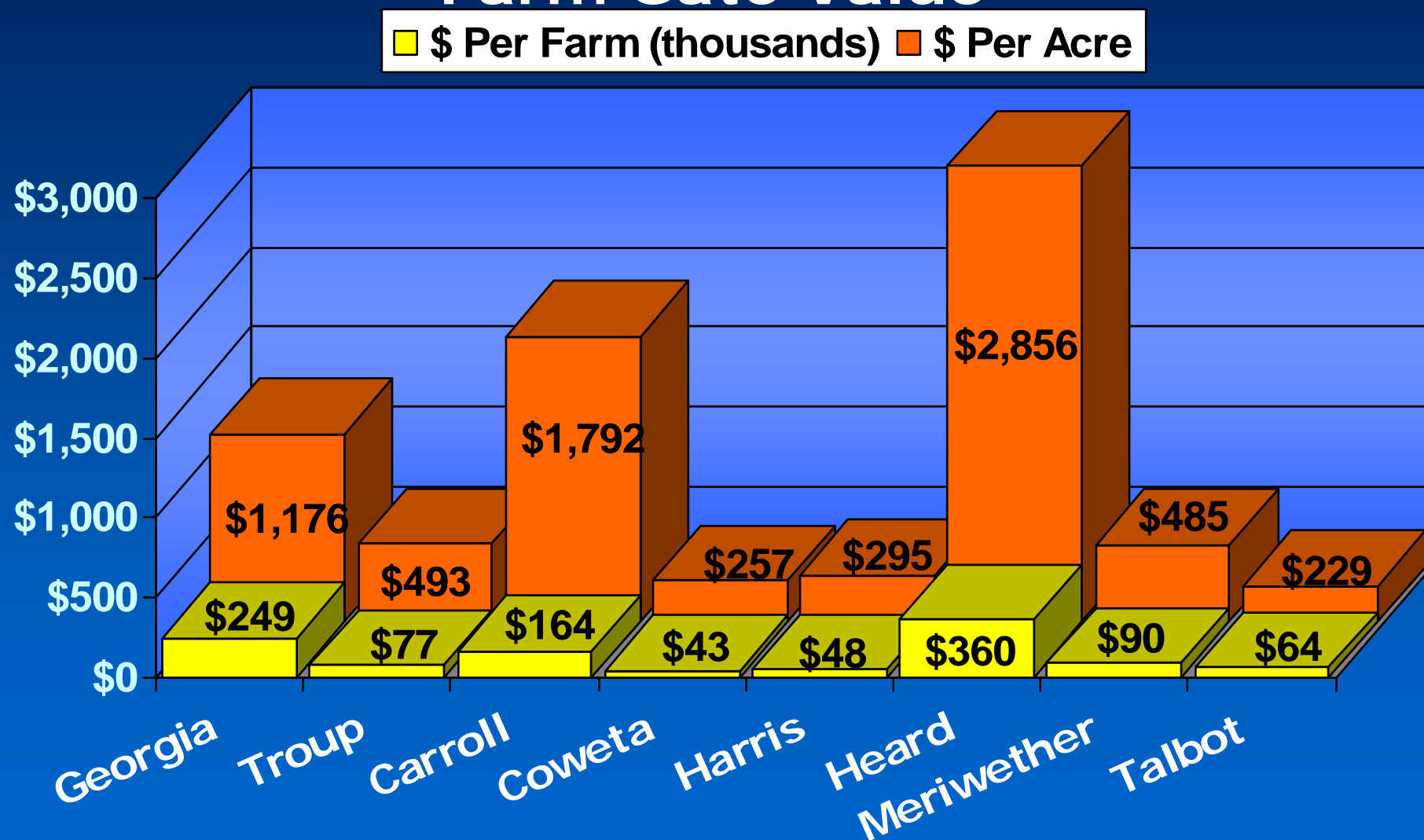
Number of Farms by Commodity



Source: 1997-2007 (quinquennial) Censuses of Agriculture

How Do We Compare ?

Georgia, Troup 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?

Troup County Economy

Agriculture *OUTPUT*

	Output in \$ Millions	Percent
Agriculture	36.909	0.6
Mining	3.003	0.1
Construction	331.927	5.6
Manufacturing	2,704.565	45.7
Trans-Utilities-Info	753.088	12.7
Trade	562.508	9.5
Finance-Ins-RE	479.767	8.1
Services	807.016	13.6
Govt + non NAICS	36.909	0.6

Total County Economic Output = \$5.9 Billion

Troup County Economy

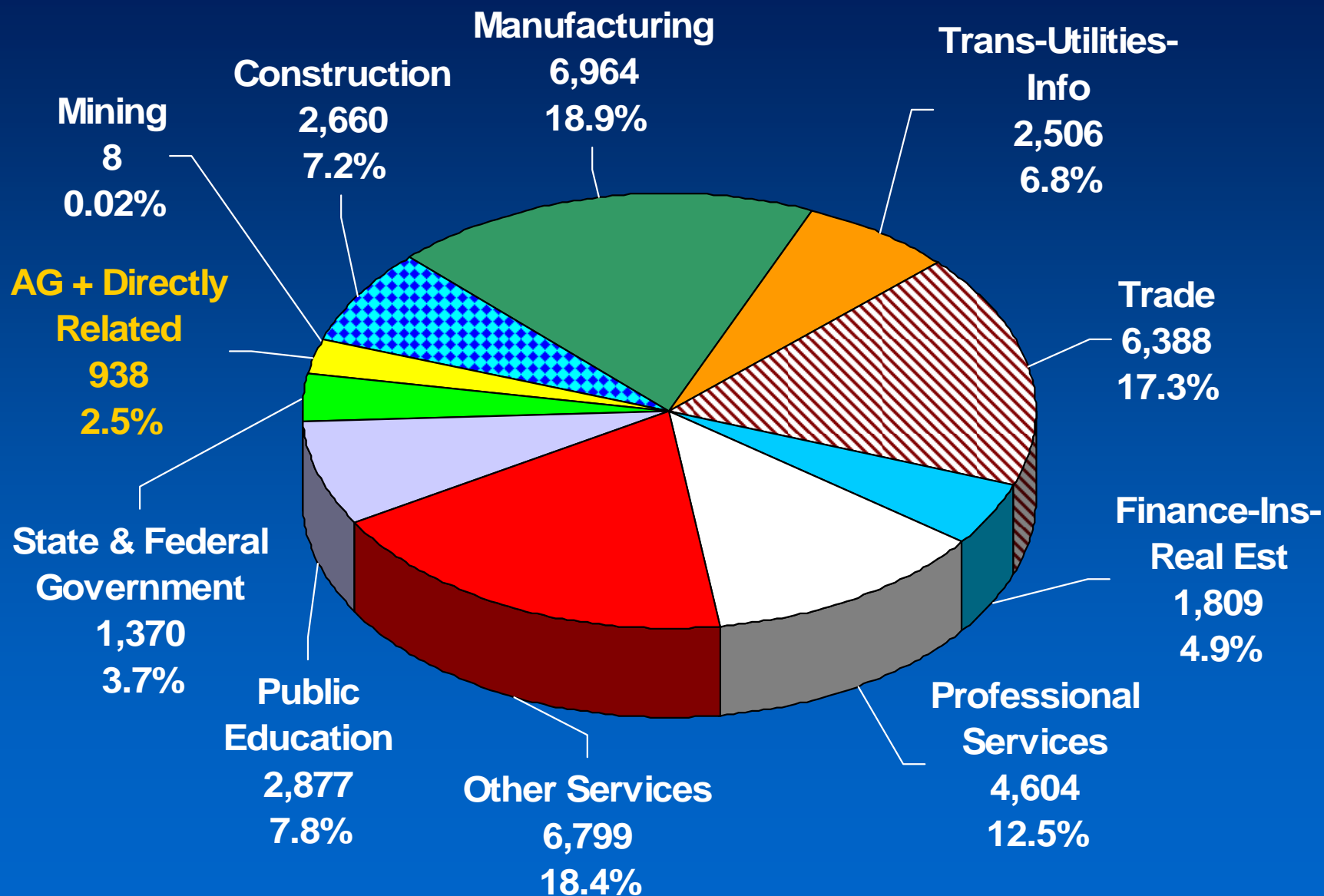
Agriculture + Directly Related Businesses *OUTPUT*

	Output in \$ Millions	Percent
Agriculture + Direct	85.747	1.4
Mining	3.003	0.3
Construction	331.927	6.3
Manufacturing	2,655.728	18.7
Trans-Utilities-Info	753.088	13.8
Trade	562.508	10.7
Finance-Ins-Real Est	479.767	15.4
Services	807.016	21.9
Govt + non NAICS	236.634	7.5

Total County Economic Output = \$5.9 Billion

Troup County Employment

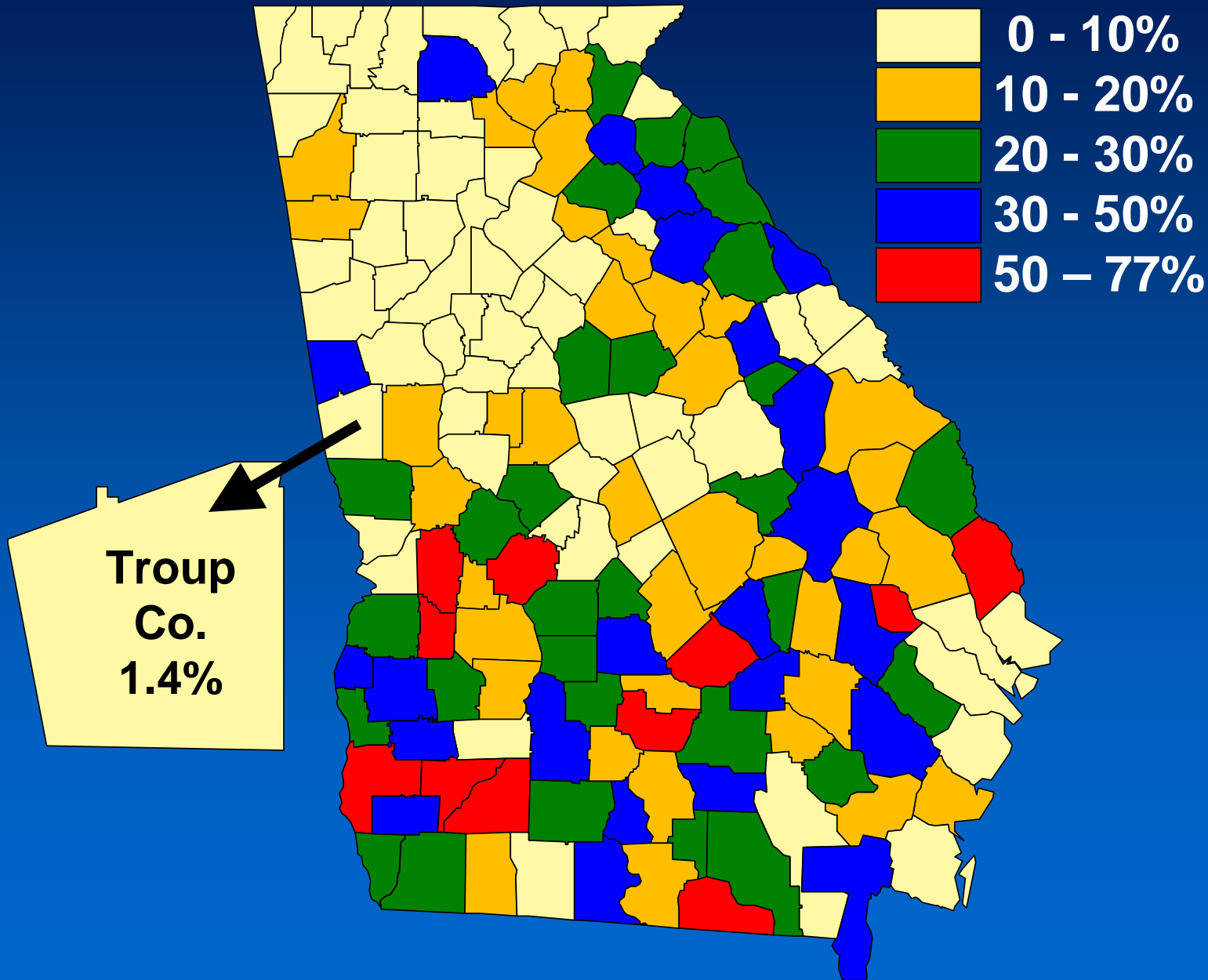
Total Jobs = 36,925



An Economic Snapshot of Troup County

- How much of Troup County's total economic output comes from food and fiber production?
- AG value alone of \$36.9 million consisting of Farm Gate Value and landscape services comprises 0.6% of the county's economy.
- AG plus directly related businesses (ex. , logging, farm machinery & equipment mfg., etc.) comprise 1.4% of the county's economy.

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



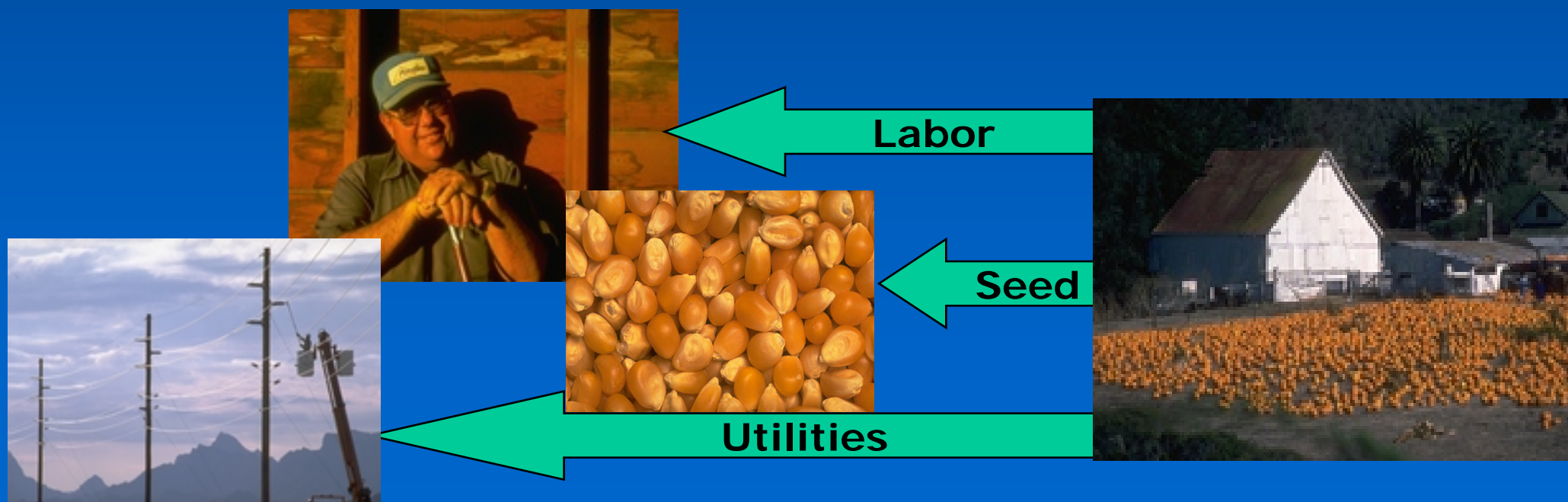
What is the Impact?

- 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.



Troup County

Agriculture *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture	36.909	0
Mining	0	0.000
Construction	0	0.123
Manufacturing	0	0.849
Trans-Utilities-Info	0	2.137
Trade	0	1.452
Finance-Ins-Real Est	0	2.730
Services	0	3.978
Government	0	0.166
Total	36.909	11.436

Total Impact of Production AG = \$48.3 Million
0.8% of total economy

Troup County

Production Agriculture + Directly Related Businesses *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture + Direct	85.747	0
Mining	0	0.000
Construction	0	0.324
Manufacturing	0	1.146
Trans-Utilities-Info	0	4.586
Trade	0	5.429
Finance-Ins-Real Est	0	6.177
Services	0	9.720
Government	0	0.364
Total	85.747	27.747

Total Impact of AG + Directly Related = \$113.5 Million
1.9% of total economy

Troup County

Production Agriculture + Directly Related Industries Employment *IMPACT*

	Direct	Indirect
Agriculture + Direct	938	0
Mining	0	0
Construction	0	3
Manufacturing	0	2
Trans-Utilities-Info	0	15
Trade	0	59
Finance-Ins-Real Est	0	22
Services	0	130
Government	0	2

Total Impact of AG + Directly Related Employment = 1,171 Jobs
3.2% of total employment

What These Numbers Mean:

A Brief Explanation

- *Direct* impact is \$85.7 million. This includes food and fiber production, processing and directly related manufacturing.
- *Indirect* impact from the Trade sector is \$5.4 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:

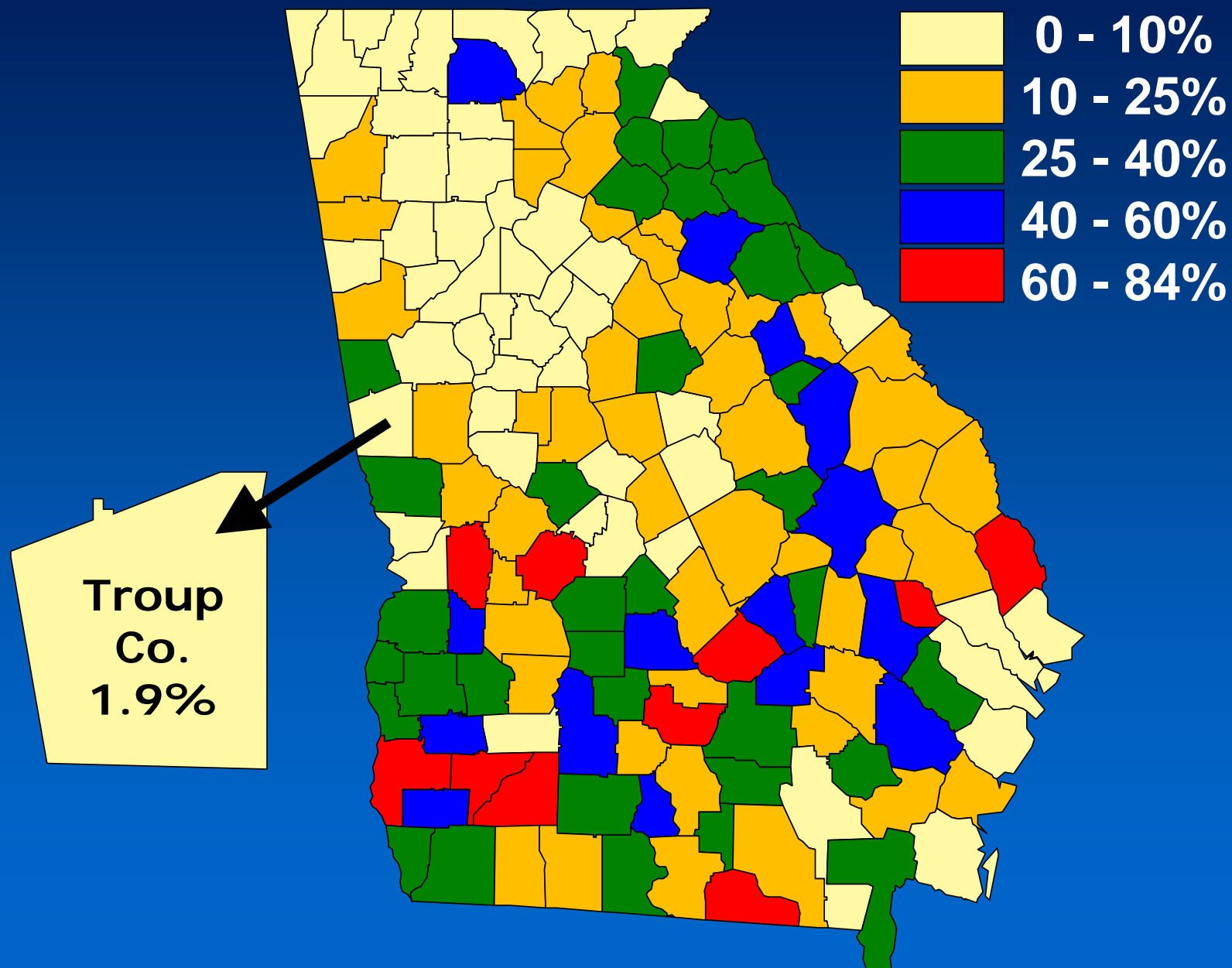
A Brief Explanation (continued)

- 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.

Troup County Food and Fiber Impact Conclusions

- The total *impact* of food and fiber production, processing and direct manufacturing is \$113.5 million.
- The total county *output* is \$5.9 billion.
- Thus, food and fiber (directly and indirectly) account for 1.9% of the total county output.

Food and Fiber Production and Directly Related Manufacturing *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

#09-25A

November, 2009

