

The Economic Importance of Food and Fiber

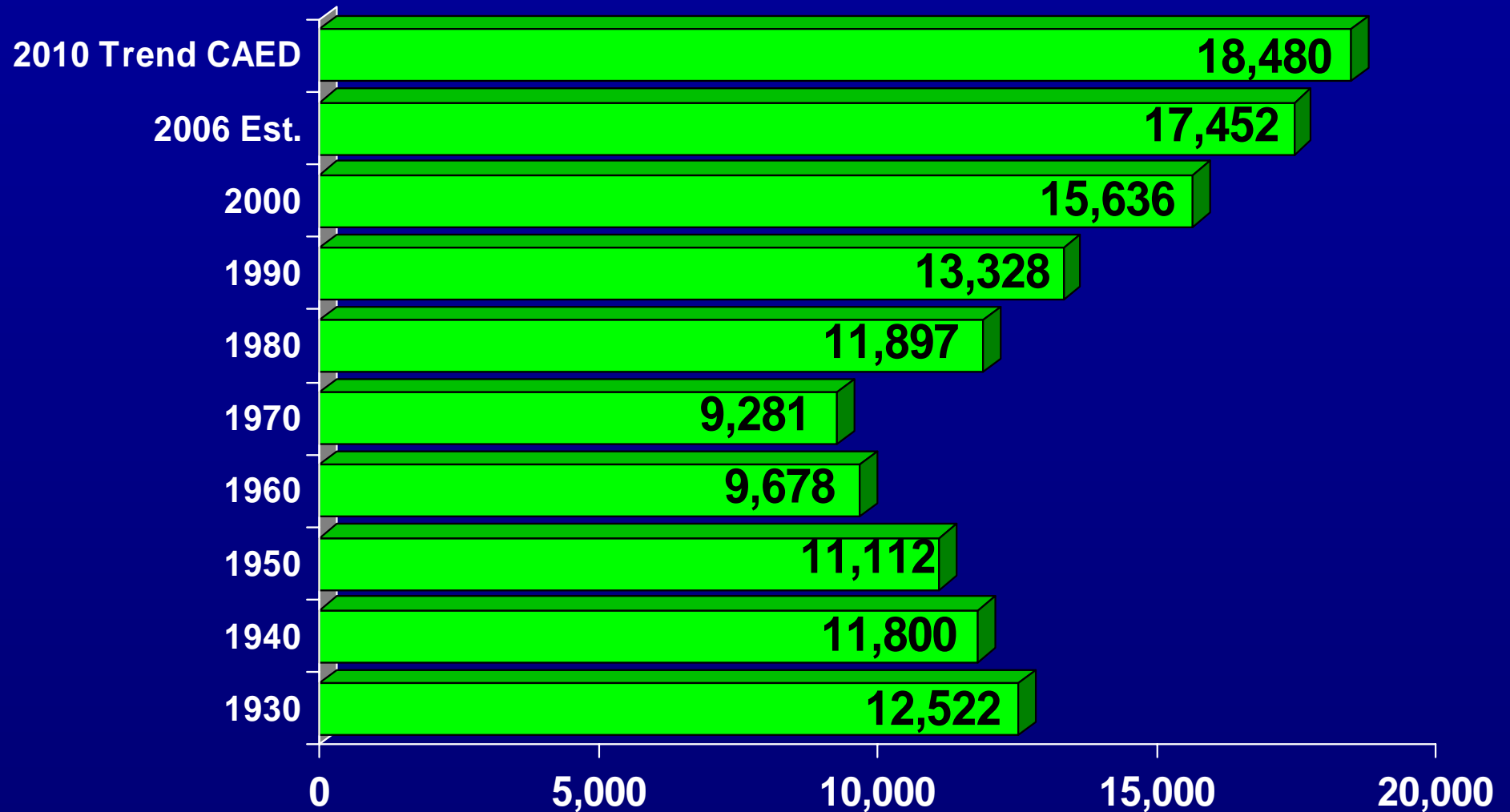
A Spotlight on Pierce County, Georgia

Prepared for:
Pierce County Cooperative Extension
April, 2007

by:
The Center for Agribusiness
and Economic Development

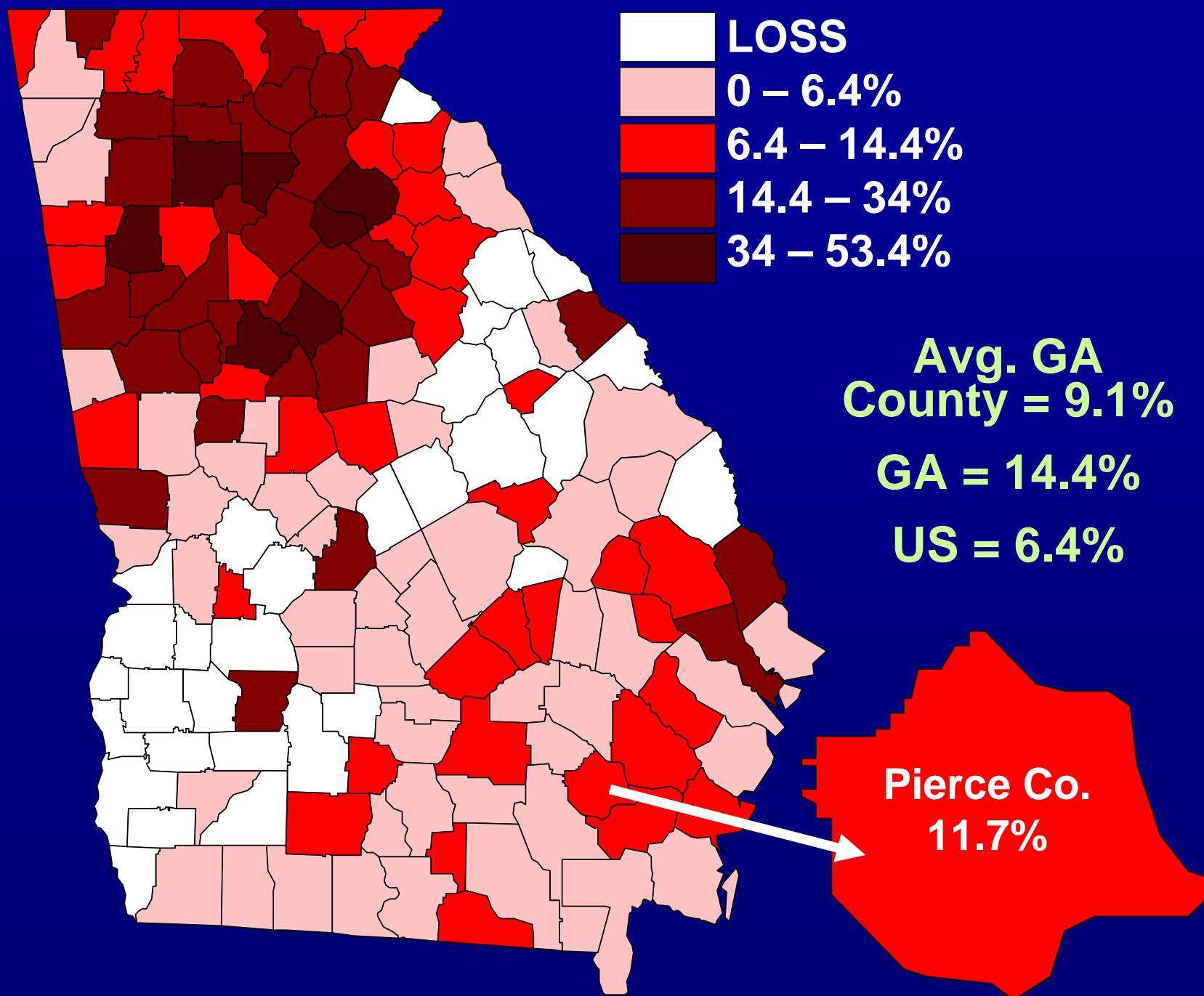
College of Agricultural and Environmental Sciences
The University of Georgia

Total Population Pierce County



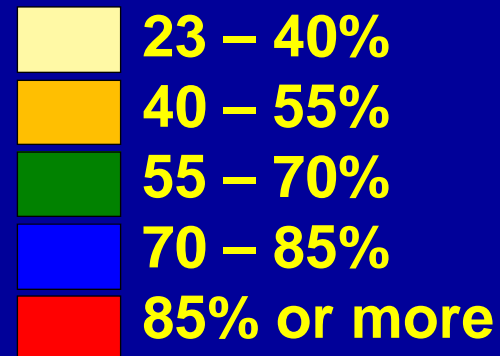
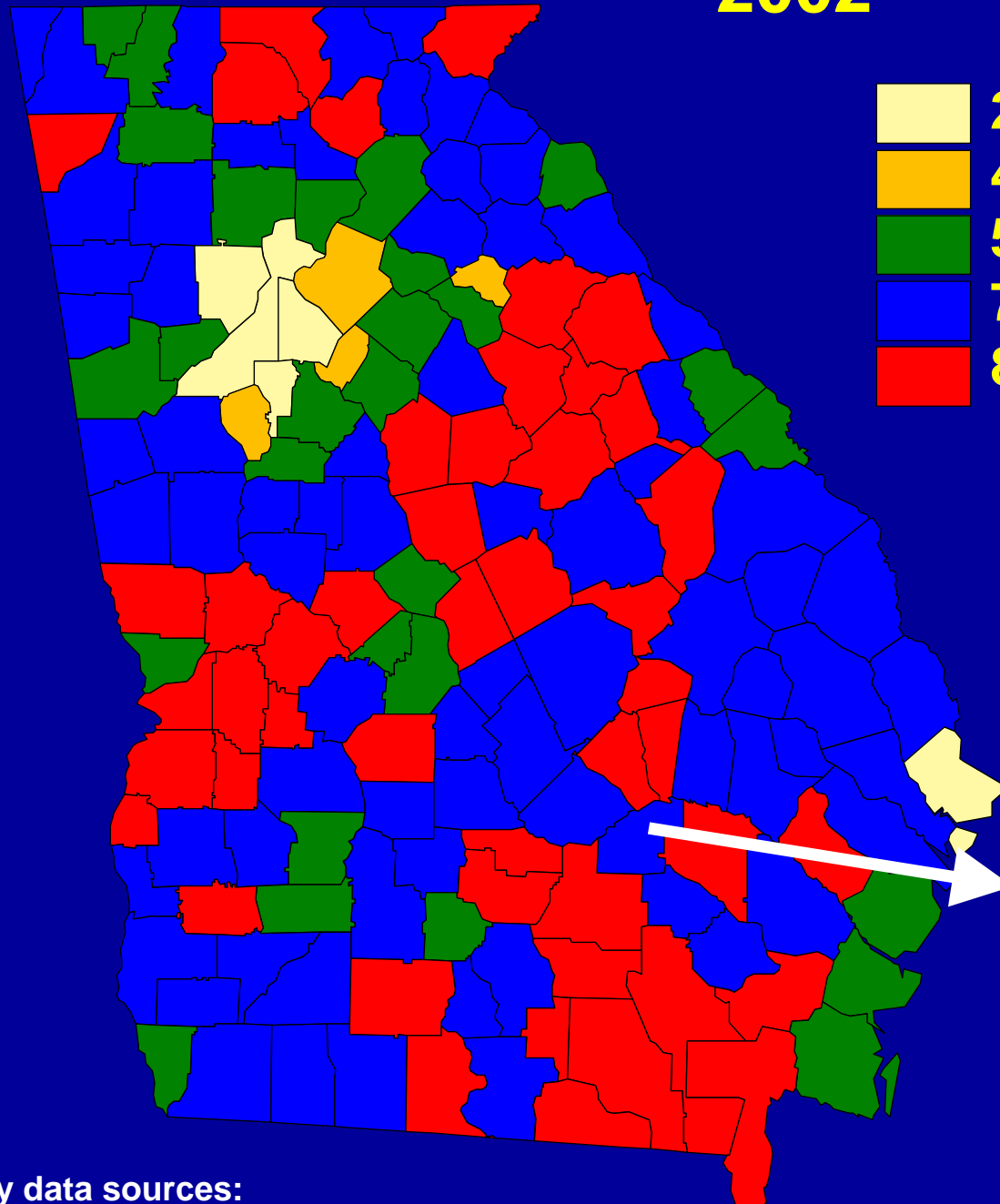
Primary data sources: U.S. Census Bureau, decennial censuses & estimate; CAED (Center for Agribusiness & Economic Development).

Population Change: 2000-2006



Primary data source: U.S. Census Bureau

Percent of Land in Cropland & Forestland: 2002

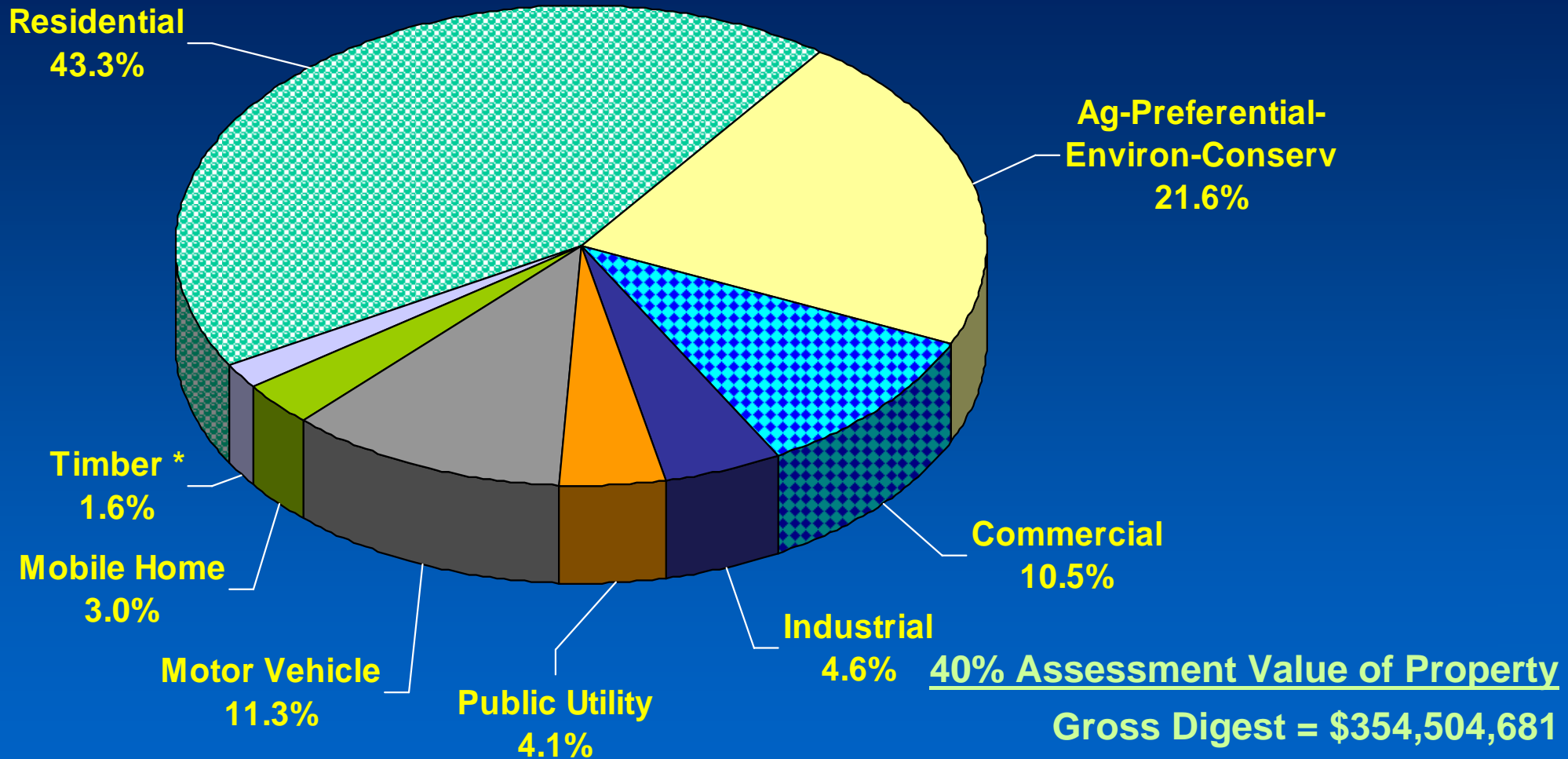


GA Total = 78.5%
GA Avg. Co. = 77.3%
Metro Avg. Co. = 70.7%
Nonmetro Avg. Co. = 82.6%

Pierce Co.
80.1%

Primary data sources:
U.S. Census of Agriculture, 2002
Forest Statistics for Georgia, 1997

Components of 2005 Property Tax Gross Digest Pierce County



40% Assessment Value of Property

Gross Digest = \$354,504,681

STATE Homestead & Property Exemptions = \$30,094,077

Net M&O Digest = \$324,410,604

Value of exempt property = \$14,741,212

Primary data source:
GA Dept. of Revenue

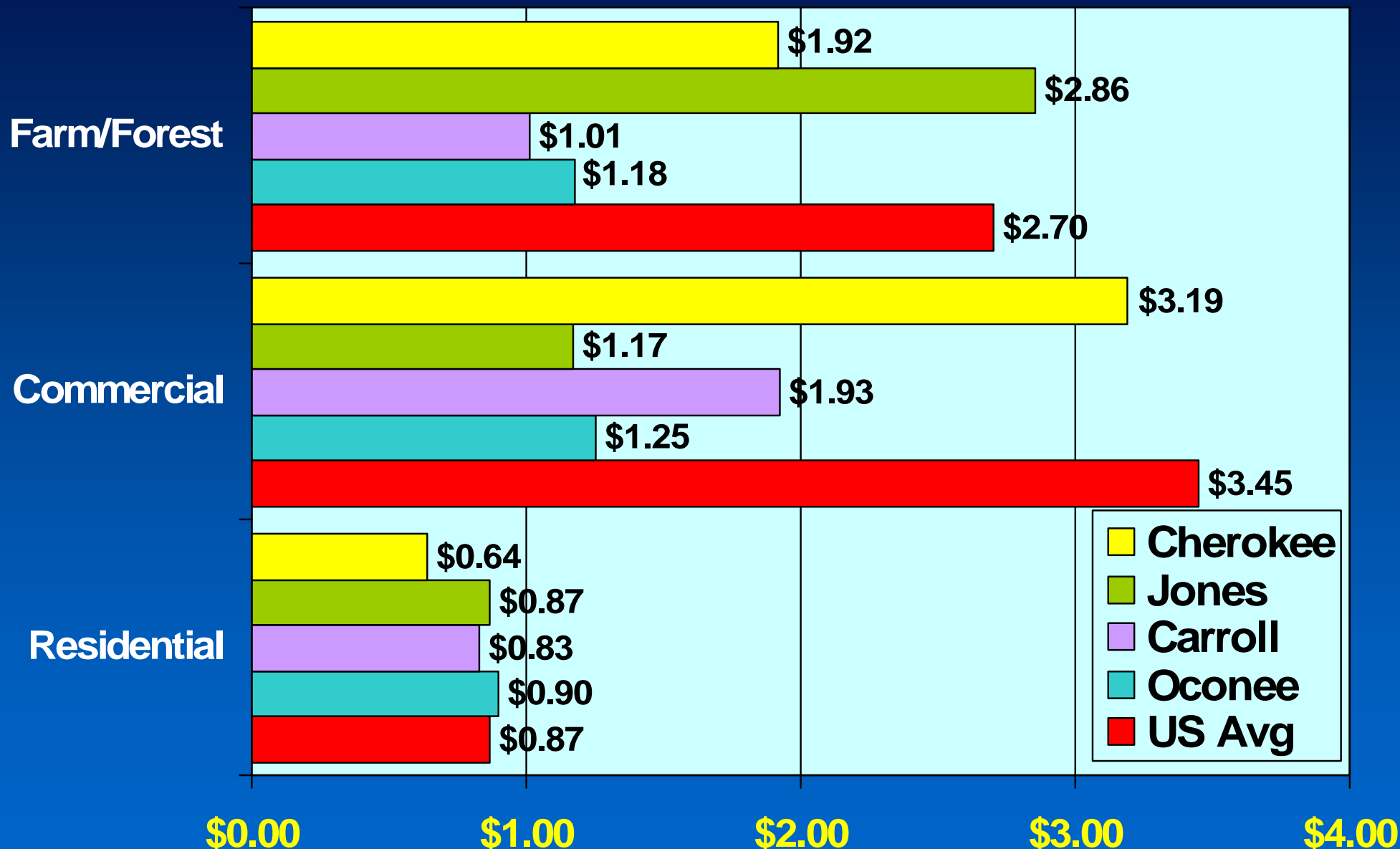
* Timber taxed at 100% based on previous year sales

County Property Tax Digest Comparisons: 2005

County	% Resi-Dential	% Agri-cultural	% Com-mercial	% In-dustrial	% Motor Vehicle	% Other
Pierce	43.2	21.6	10.5	4.6	11.3	8.7
Appling	17.4	10.5	8.1	2.9	6.6	54.4
Bacon	30.3	24.4	13.7	9.6	12.1	9.9
Brantley	37.7	17.8	12.9	0.0	14.4	17.1
Ware	43.0	7.0	23.3	3.8	10.6	12.3
Wayne	29.9	14.3	12.9	27.8	8.7	6.3
Avg. GA Co.	41.5	21.7	13.3	7.9	8.4	7.8

Revenue : Expenditure Ratios

\$ of Revenue for Each \$ of Expenditure

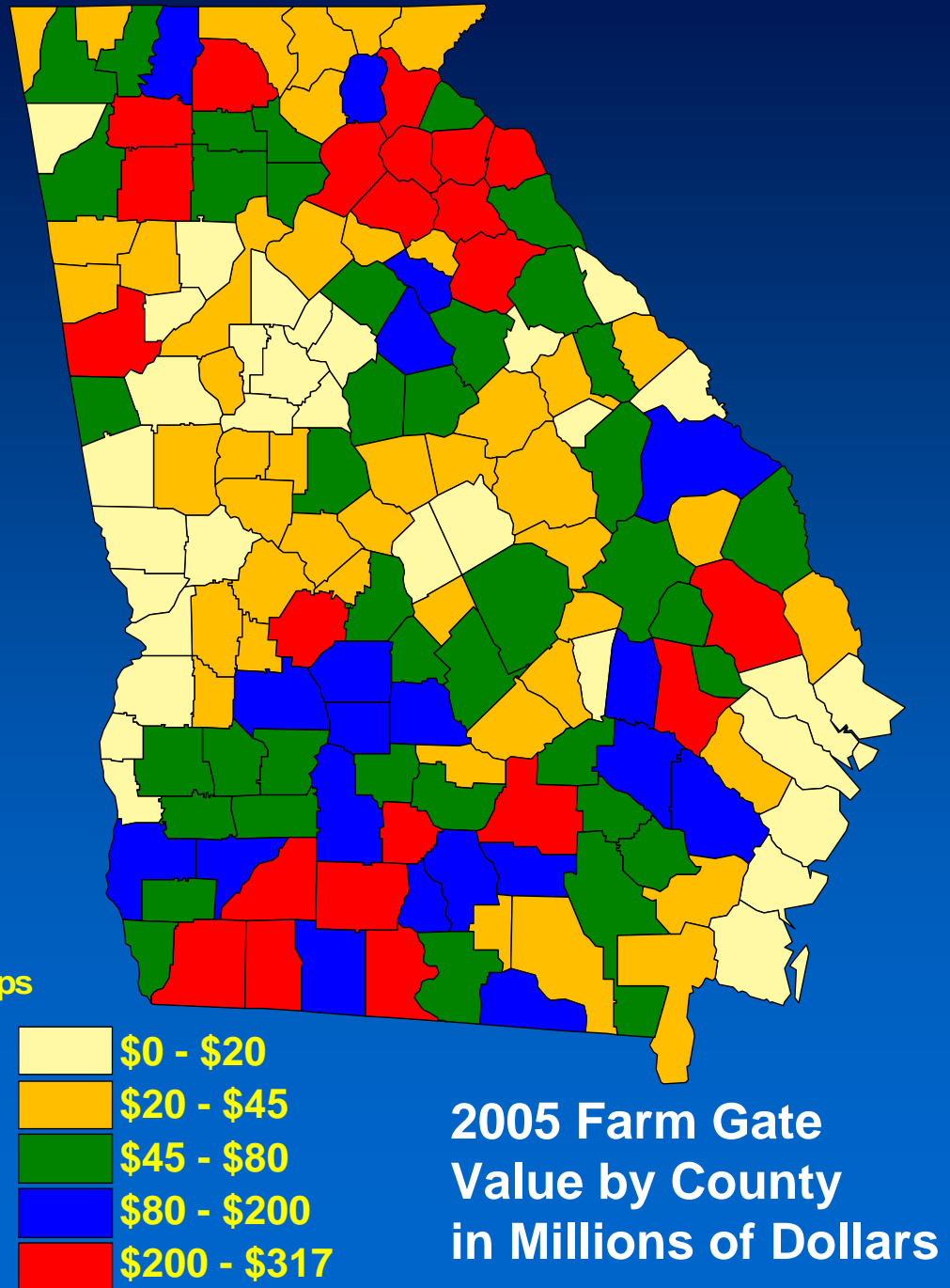
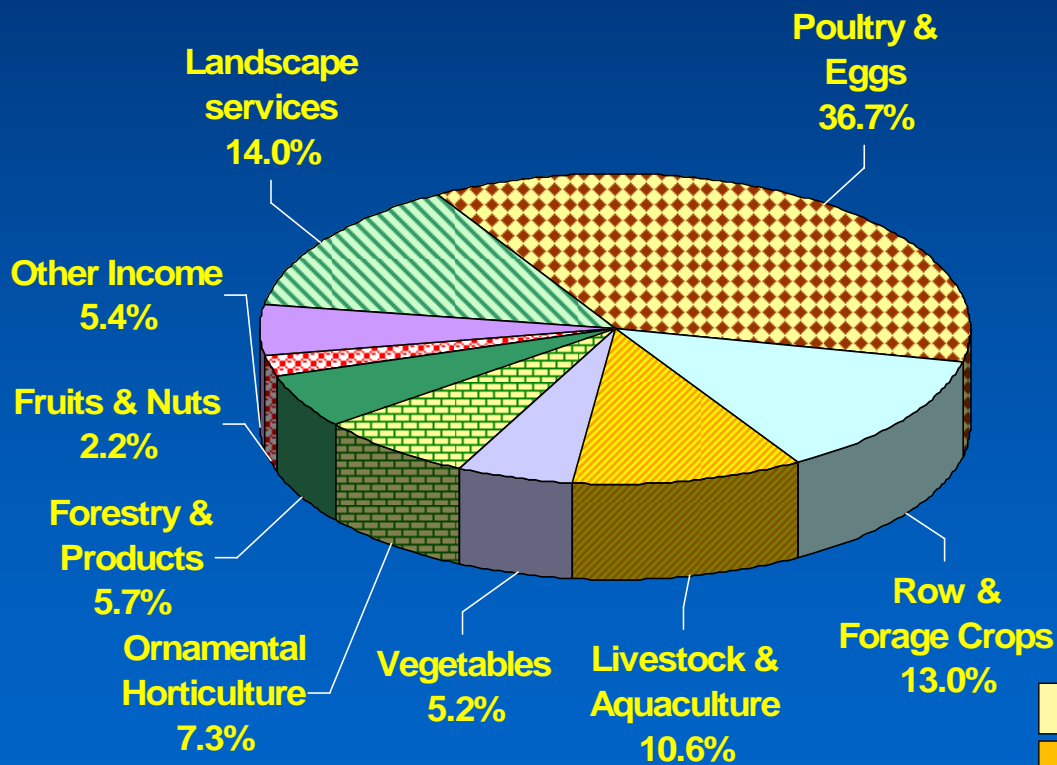


Agriculture in Georgia

- 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



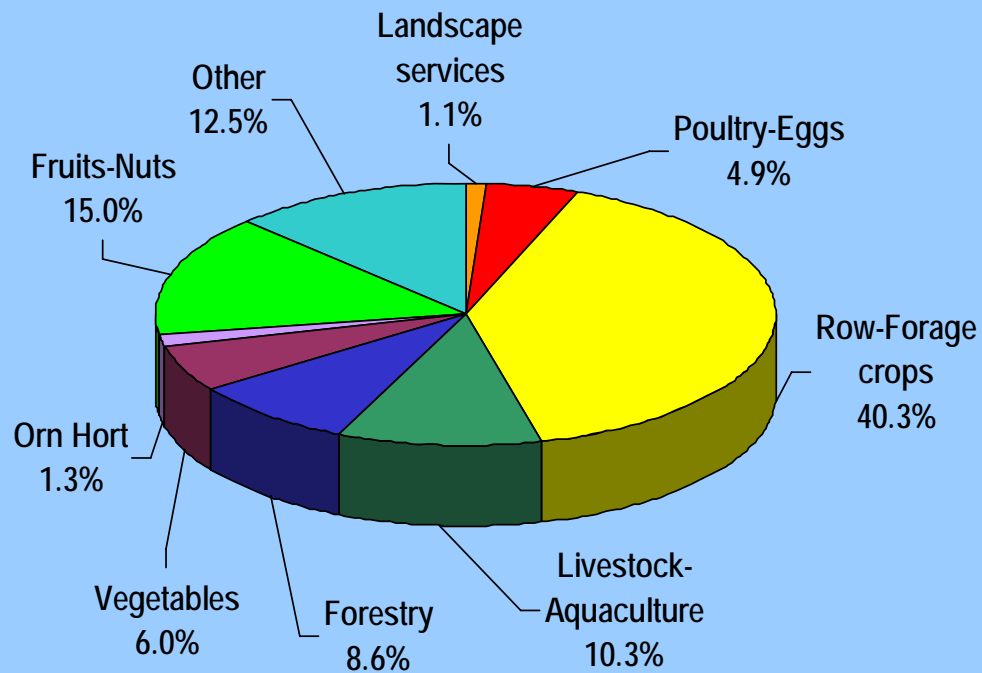
What We Know about Pierce County

- 2005 Farm Gate Value in Pierce Co. was \$54.5 million. Adding \$582 thousand of landscape services increased the total agricultural production value to \$55 million.
- The highest value commodity group was row & forage crops, representing 40.3% of the total agricultural production value.

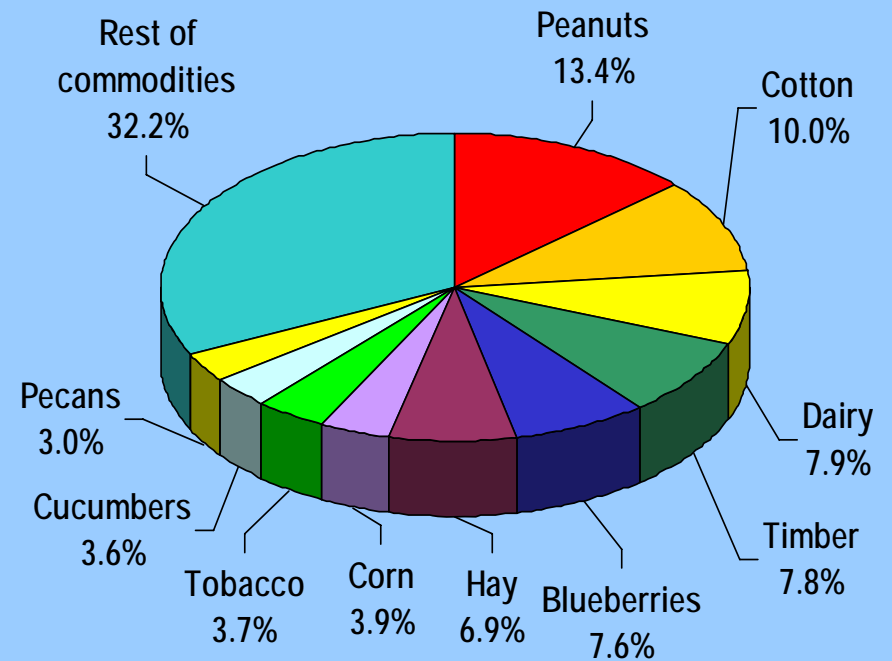
Pierce County

2005 Agricultural Production Value

2005 Agricultural Production



2005 Top Farm Gate Commodities

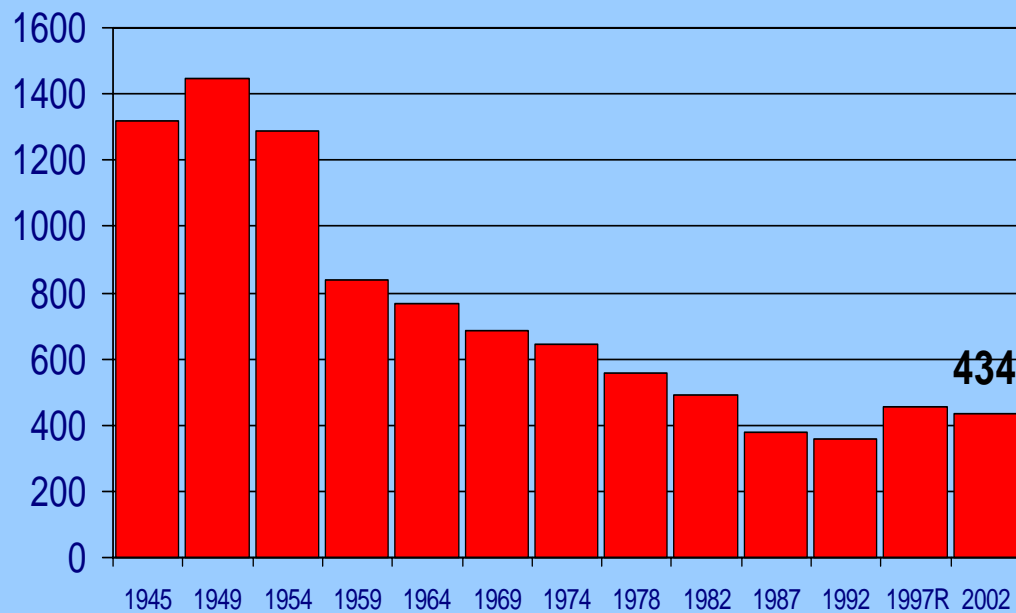


Total AG Value = \$55 million

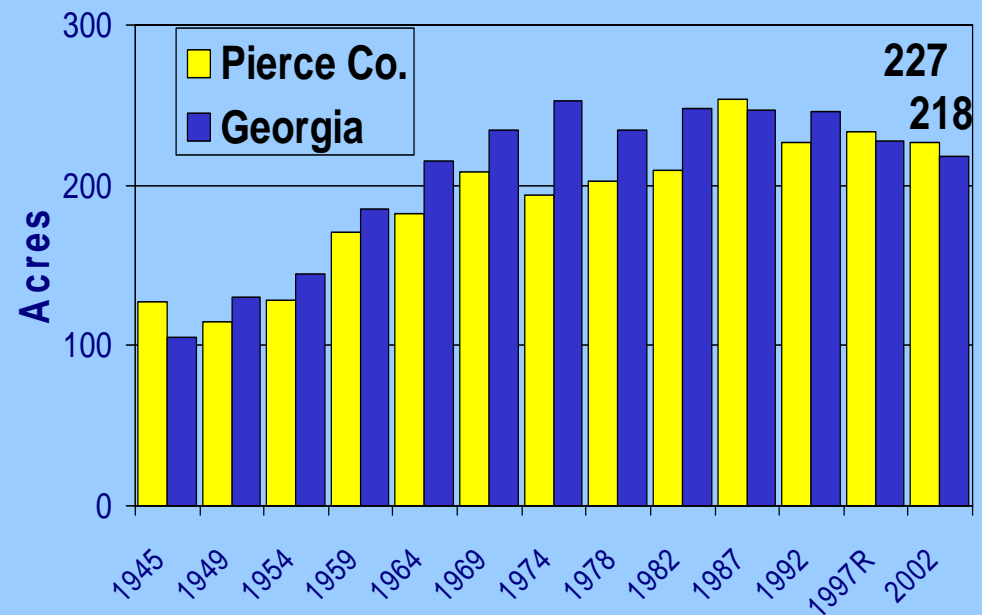
Trends in Pierce County:

Number of Farms & Average Farm Size

Number of Farms, Pierce County

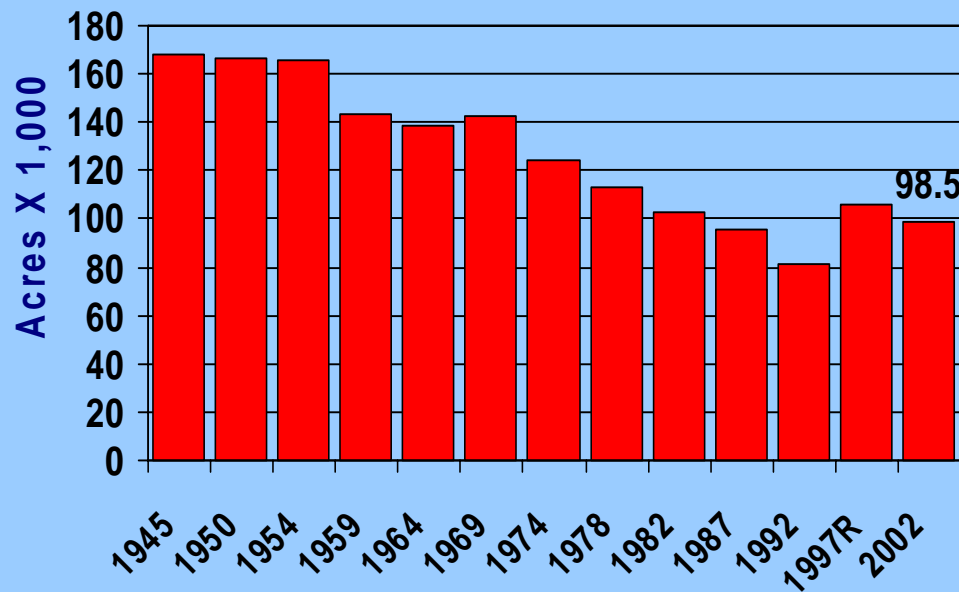


Average Farm Size

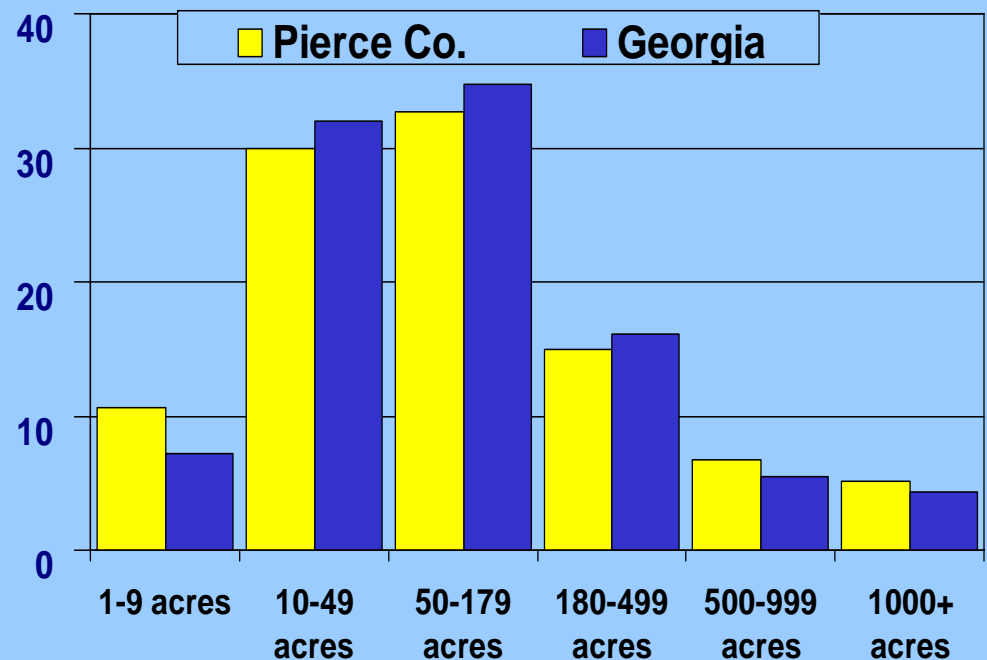


Trends in Pierce County: Land in Farms & Farms by Size

Land in Farms
Pierce County

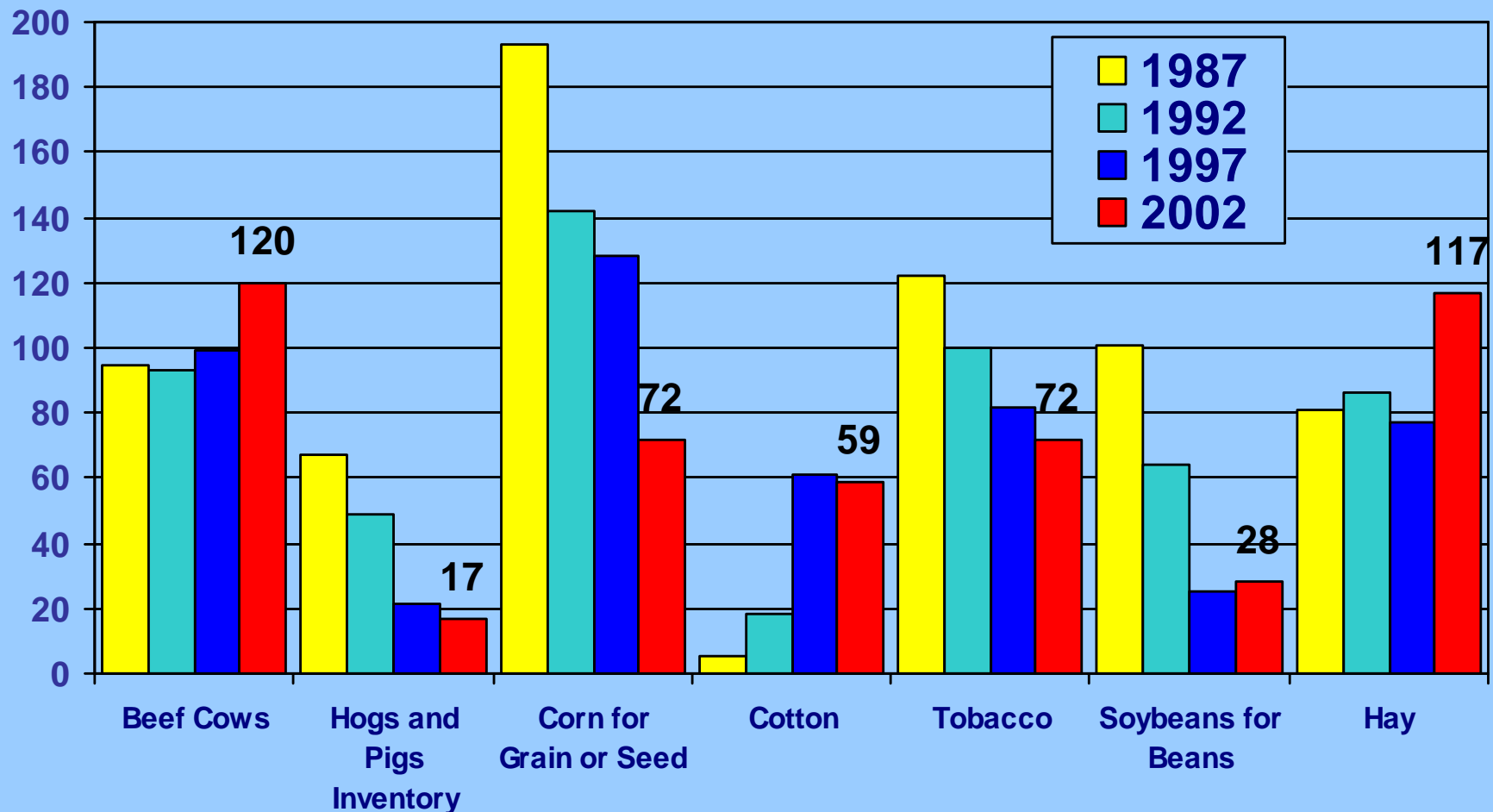


Percent of Farms by Size, 2002



Trends in Pierce County

Number of Farms by Commodity

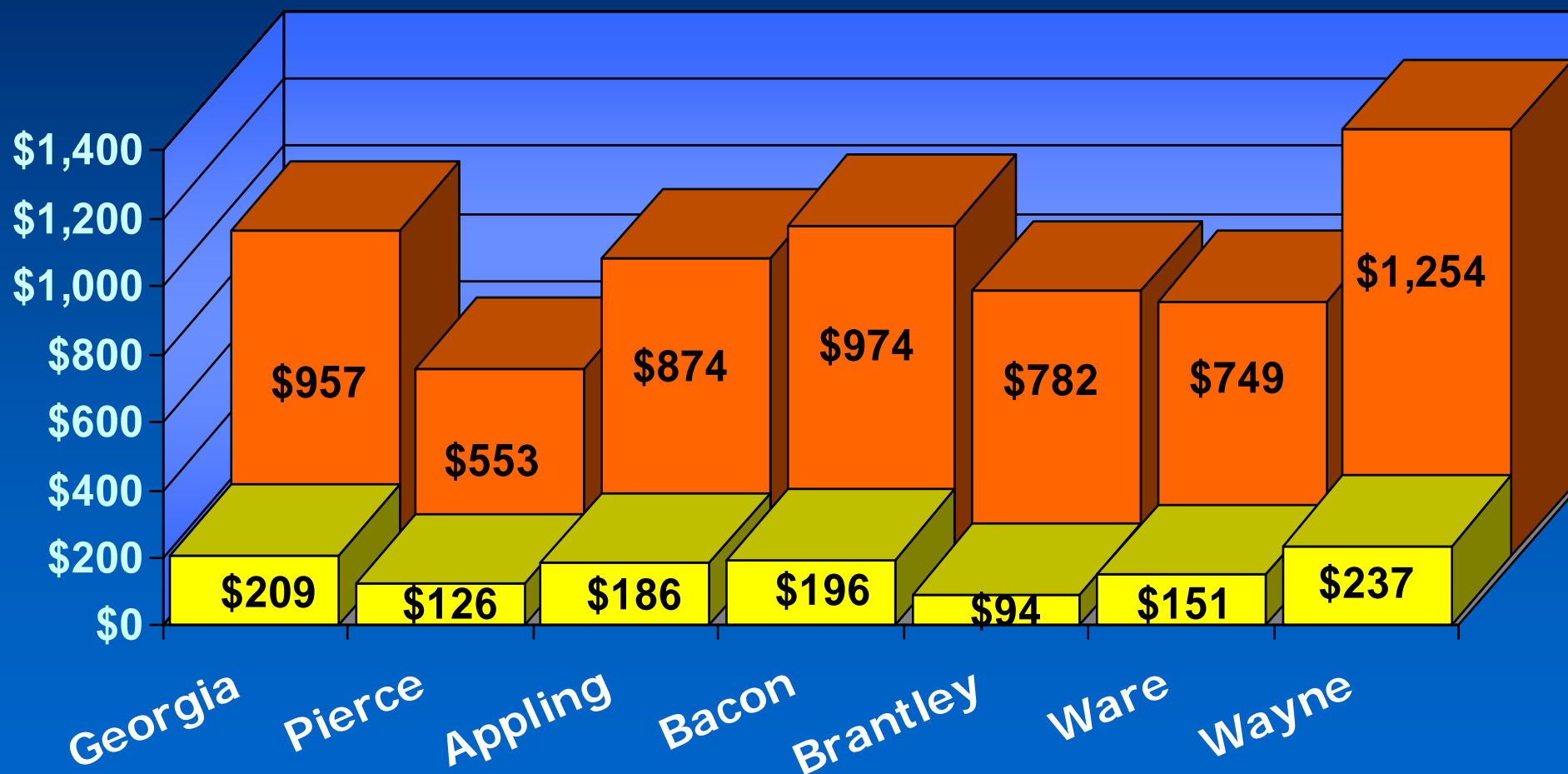


Source: 1987-2002 (quinquennial) Censuses of Agriculture

How Do We Compare ?

Georgia, Pierce and Surrounding Counties Farm Gate Value

■ \$ Per Farm (thousands) ■ \$ Per Acre



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?

Pierce County Economy

Agriculture *OUTPUT*

	Output in \$ Millions	Percent
Agriculture	55.061	10.4
Construction	52.607	9.9
Manufacturing	115.492	21.7
Trans-Utilities-Info	62.113	11.7
Trade	75.553	14.2
Finance-Ins-RE	31.022	5.8
Services	66.125	12.4
Govt & Other	73.544	13.8

Total County Economic Output = \$531.5 million

Pierce County Economy

Agriculture + Directly Related Businesses *OUTPUT*

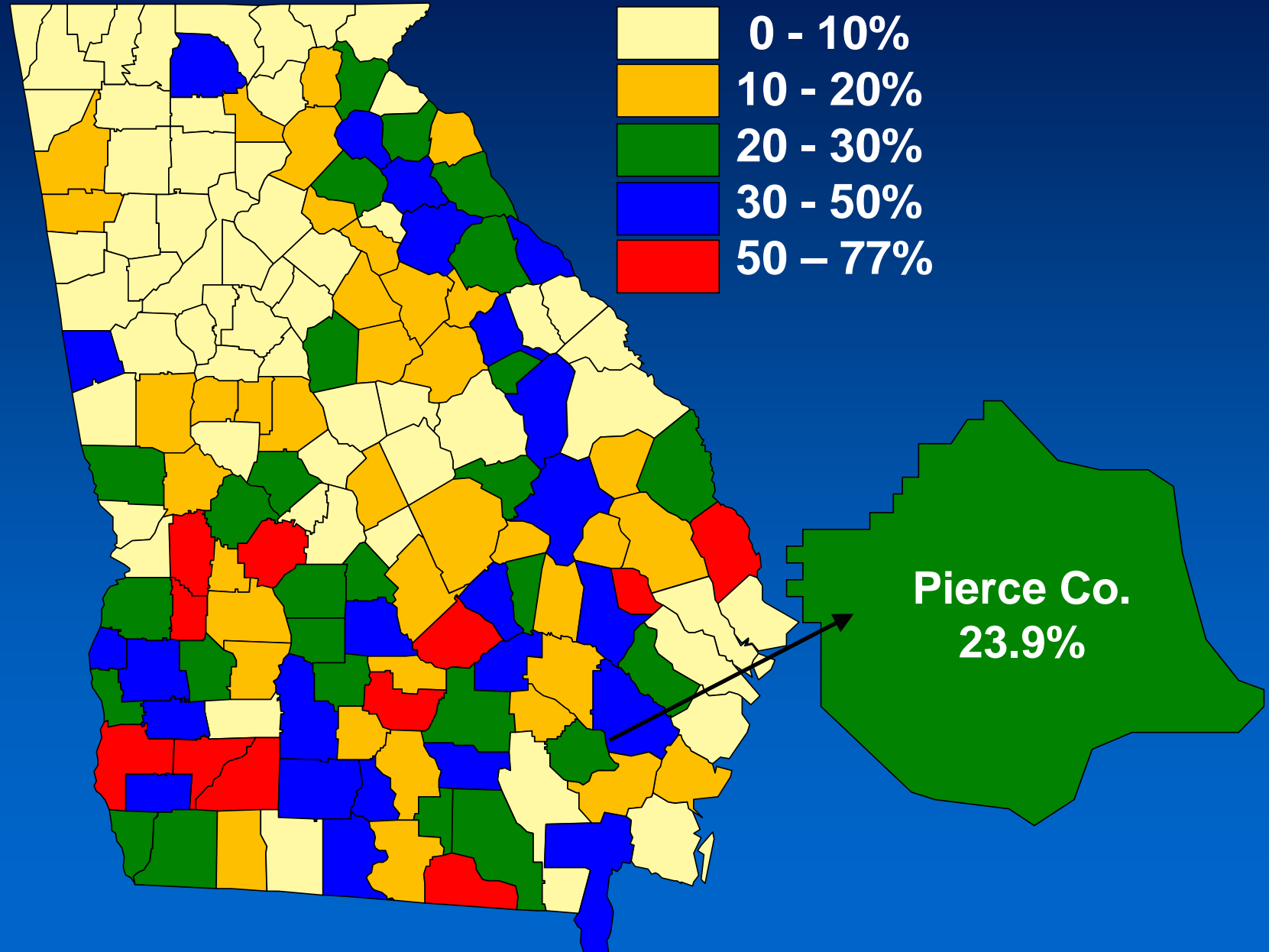
	Output in \$ Millions	Percent
<i>Agriculture + Direct</i>	127.194	23.9
Construction	52.607	9.9
Manufacturing	43.358	8.2
Trans-Utilities-Info	62.113	11.7
Trade	75.553	14.2
Finance-Ins-RE	31.022	5.8
Services	66.125	12.4
Government	73.544	13.8

Total County Economic Output = \$531.5 million

An Economic Snapshot of Pierce County

- How much of Pierce County's total economic output comes from food and fiber production?
- AG value alone of \$55 million consisting of Farm Gate Value and landscape services comprises 10.4% of the county's economy.
- AG plus directly related businesses (ex. logging, sawmills, animal slaughtering, etc.) comprise 23.9% of the county's economy.

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



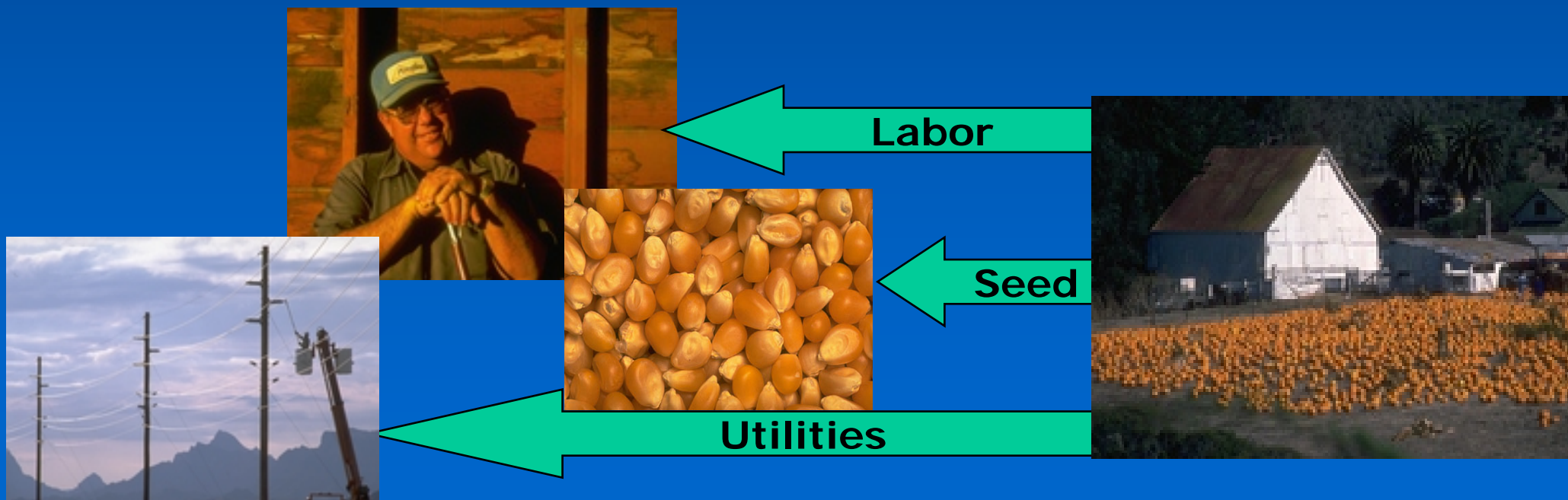
What is the Impact?

- 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.



Pierce County

Agriculture *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture	55.061	0
Construction	0	.167
Manufacturing	0	.187
Trans-Utilities-Info	0	1.237
Trade	0	3.484
Finance-Ins-RE	0	1.395
Services	0	2.847
Government	0	2.479
Total	55.061	11.797

Total Impact of Production AG = \$66.9 million–12.6% of total economy

Pierce County

Production Agriculture + Directly Related Businesses *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture + Direct	87.971	0
Construction	0	.281
Manufacturing	39.223	3.011
Trans-Utilities-Info	0	3.478
Trade	0	8.232
Finance-Ins-RE	0	2.861
Services	0	6.155
Government	0	4.323
Total	127.194	28.341

Total Impact of AG+Directly Related=\$155.5 million—29.3% of Total Economy

Pierce County

Production Agriculture + Directly Related Industries Employment *IMPACT*

	Direct	Indirect
Agriculture + Direct	928	0
Construction	0	3
Manufacturing	0	13
Trans-Utilities-Info	0	31
Trade	0	103
Finance-Ins-RE	0	21
Services	0	125
Government	0	4

Total Impact of AG + Directly Related Employment = 1,227 Jobs

What These Numbers Mean:

A Brief Explanation

- *Direct* impact is \$127.2 million. This includes food and fiber production, processing and directly related manufacturing.
- *Indirect* impact from the Trade sector is \$8.2 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:

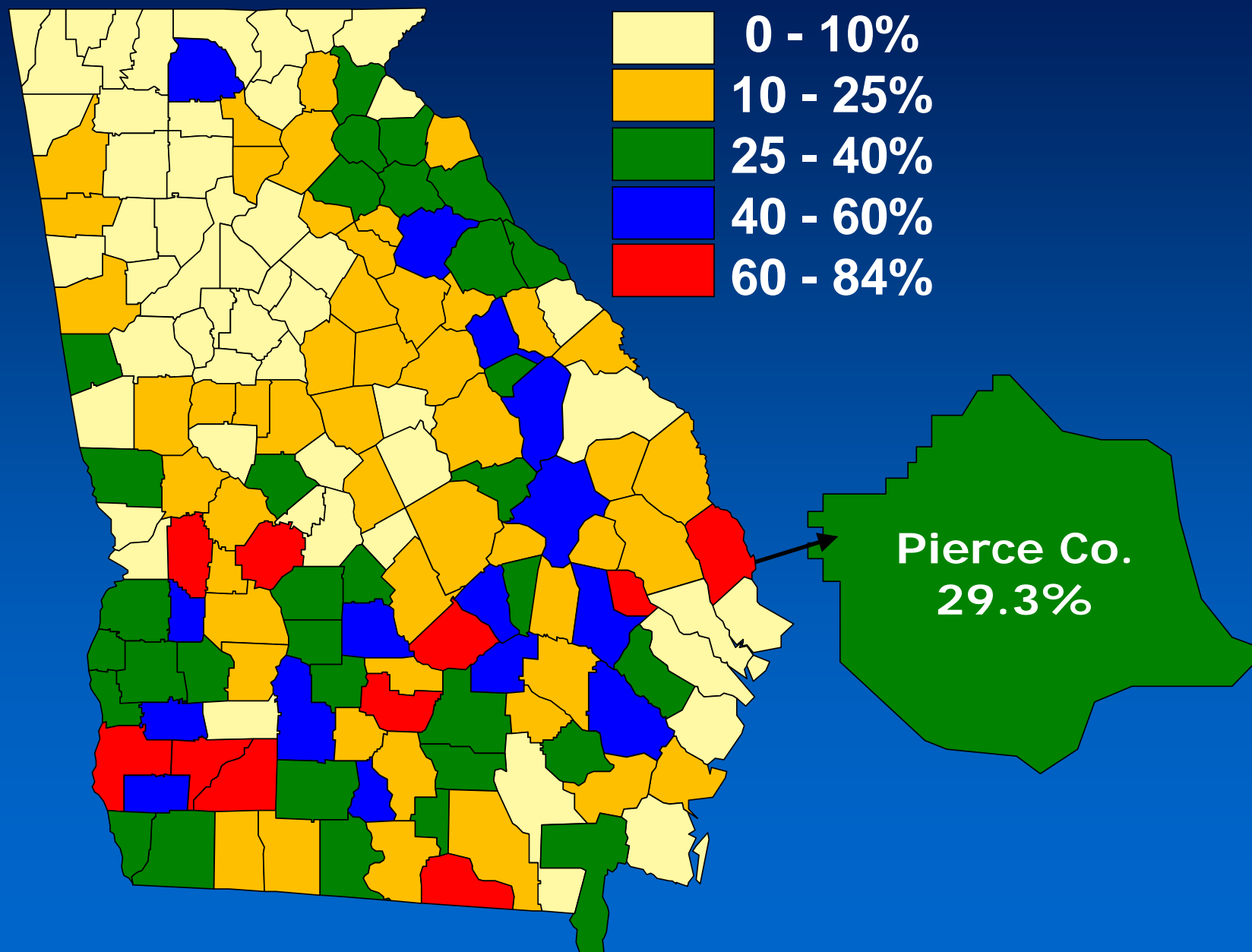
A Brief Explanation (continued)

- 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.

Pierce County Food and Fiber Impact Conclusions

- The total *impact* of food and fiber production, processing and direct manufacturing is \$155.5 million.
- The total *output* is \$531.5 million.
- Thus, food and fiber (directly and indirectly) account for 29.3% of the total output.

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



Contact Information

Prepared by:

Sue Boatright and Archie Flanders
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
#0711A
April, 2007**

