



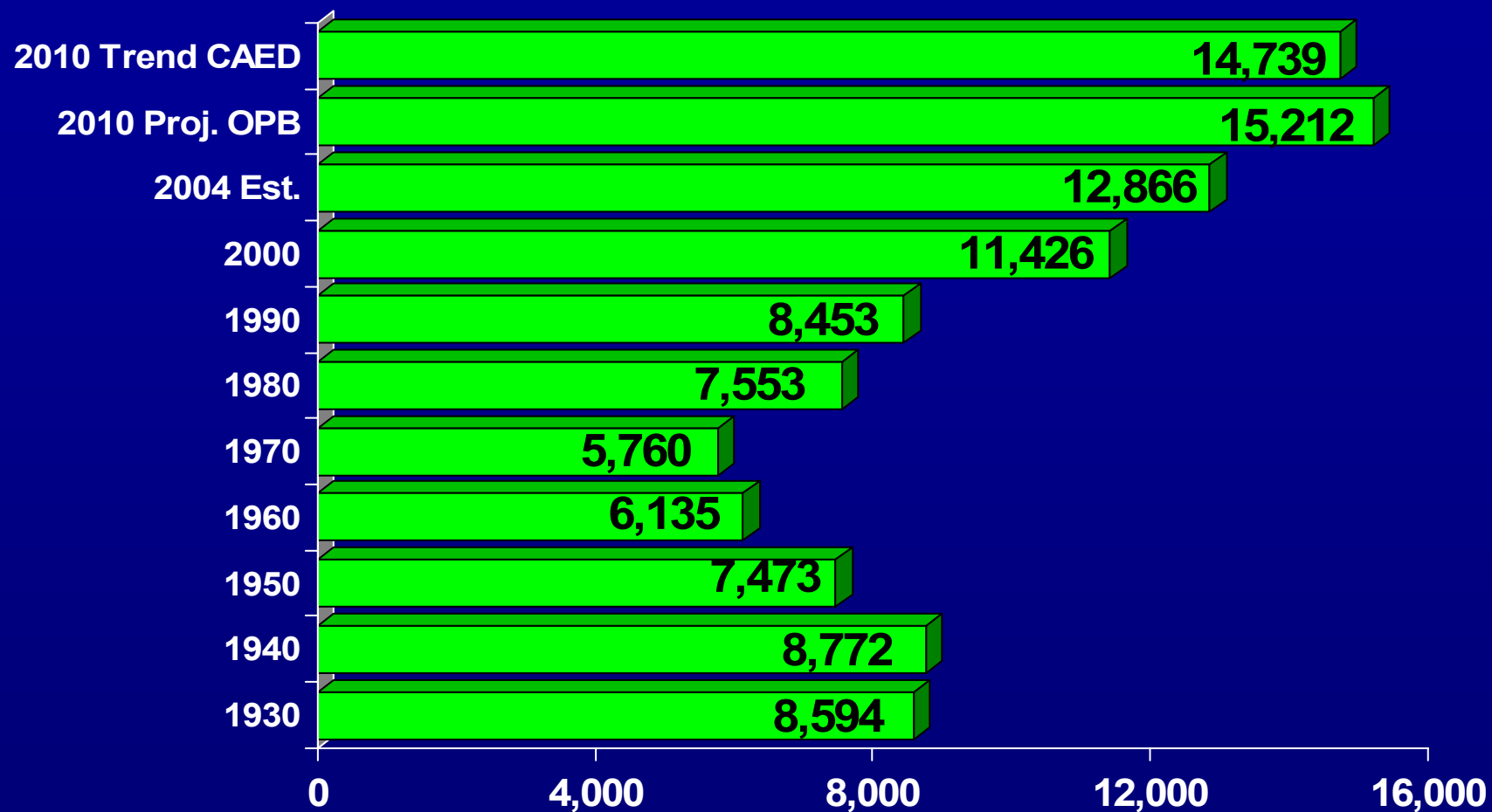
The Economic Importance of Food and Fiber

A Spotlight on Jasper County, Georgia

**Prepared for:
Jasper County Cooperative Extension
February, 2006**

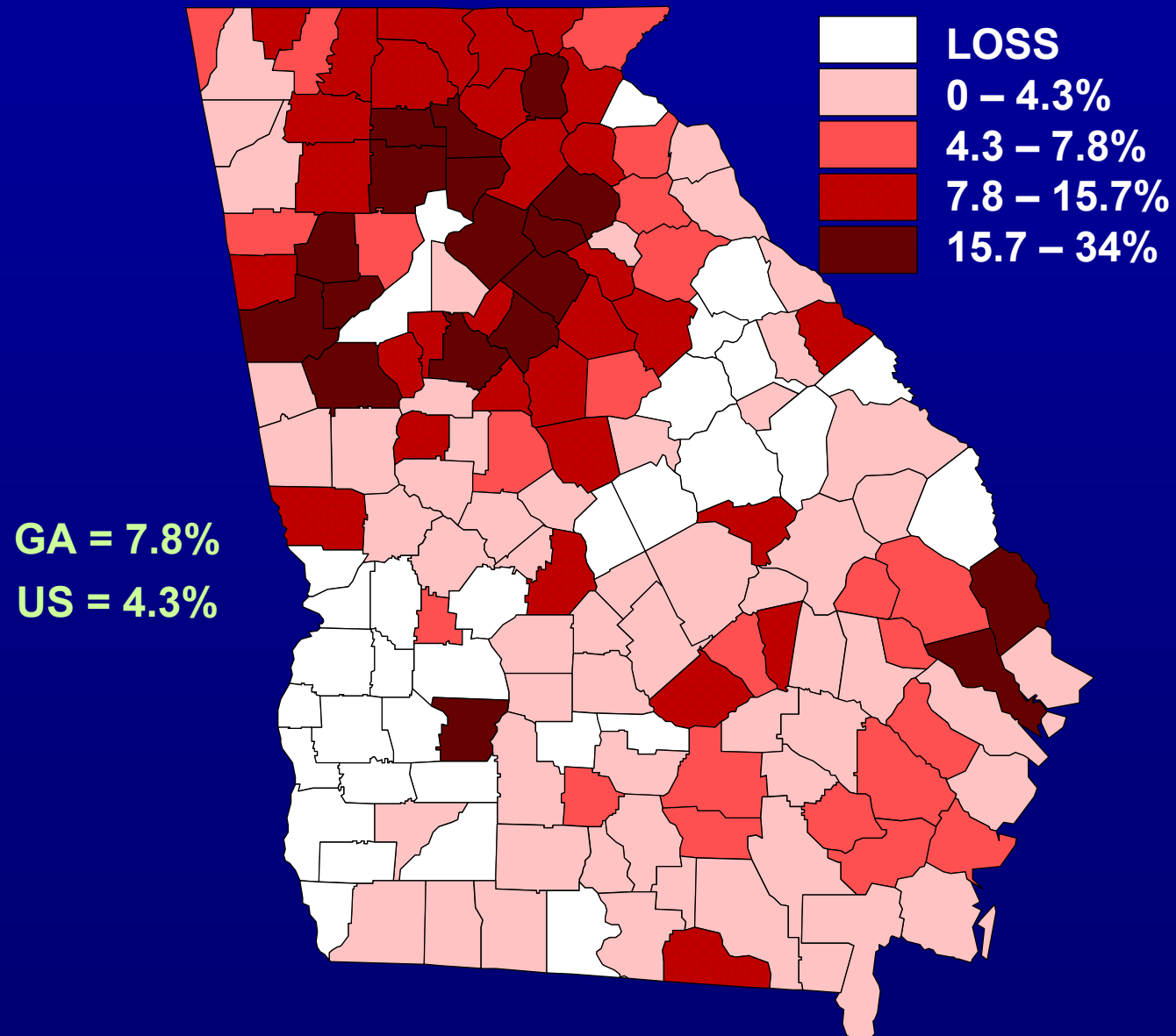
**by:
The Center for Agribusiness and Economic Development
College of Agricultural and Environmental Sciences
The University of Georgia**

Total Population Jasper County



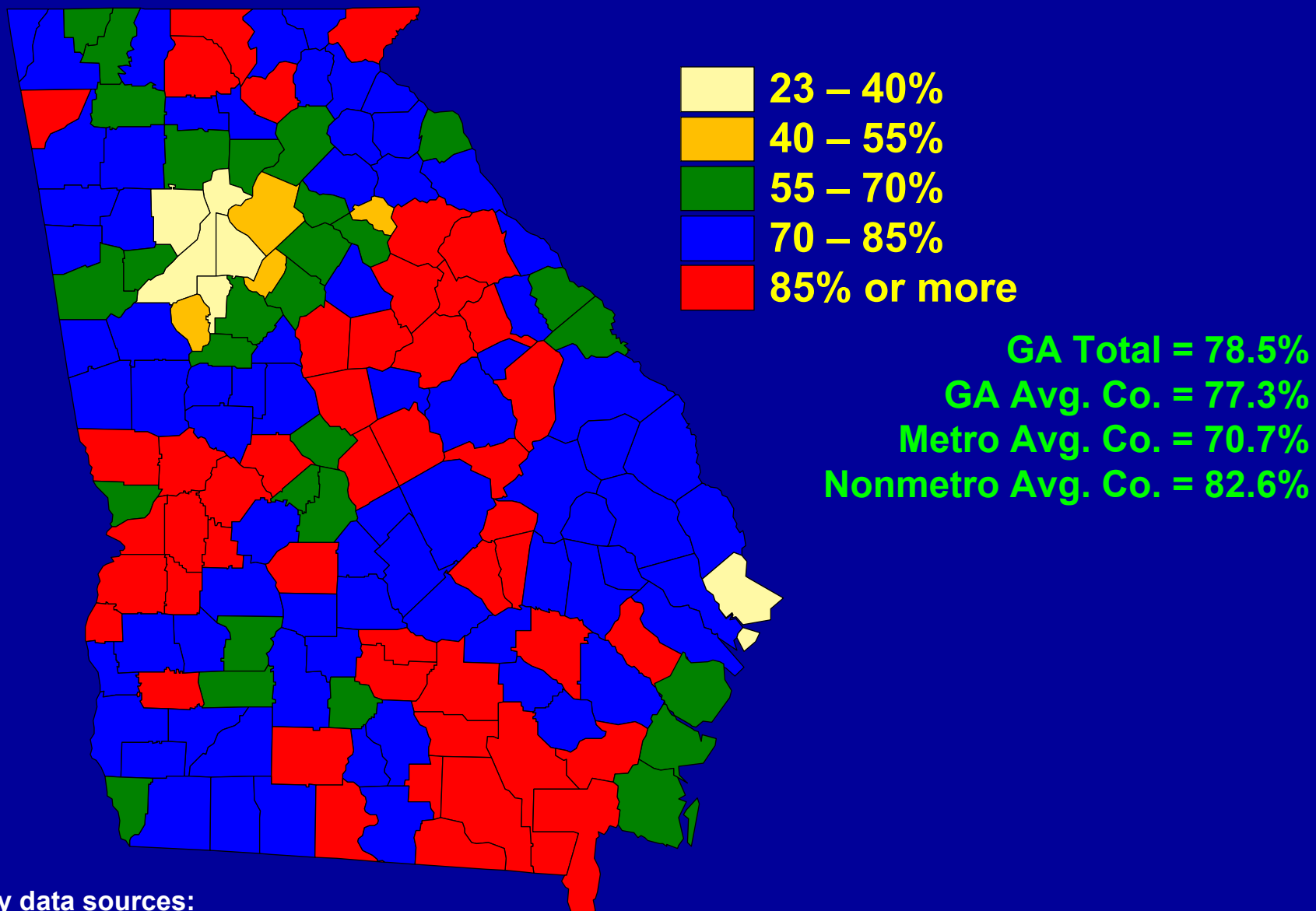
Primary data sources: U.S. Census Bureau, decennial censuses & estimate; CAED (Center for Agribusiness & Economic Development); OPB (State Office of Planning & Budget).

Population Change: 2000-2004



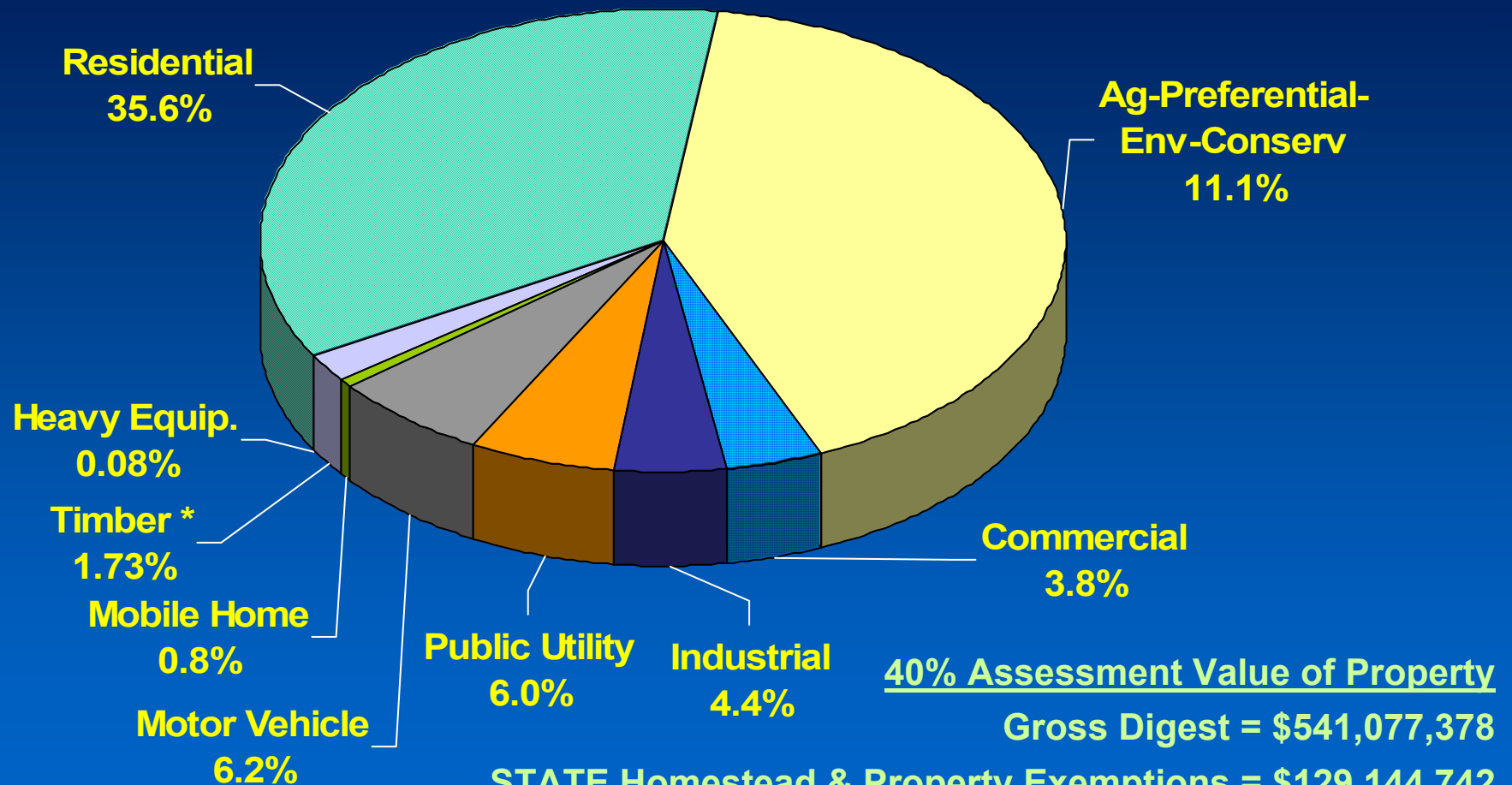
Primary data source: U.S. Census Bureau

Percent of Land in Cropland & Forestland: 2002



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

Components of 2004 Property Tax Gross Digest Jasper County



40% Assessment Value of Property

Gross Digest = \$541,077,378

STATE Homestead & Property Exemptions = \$129,144,742

Net M&O Digest = \$411,932,636

Value of exempt property = \$65,073,637

Primary data source:
GA Dept. of Revenue

* Timber taxed at 100% based on previous year sales

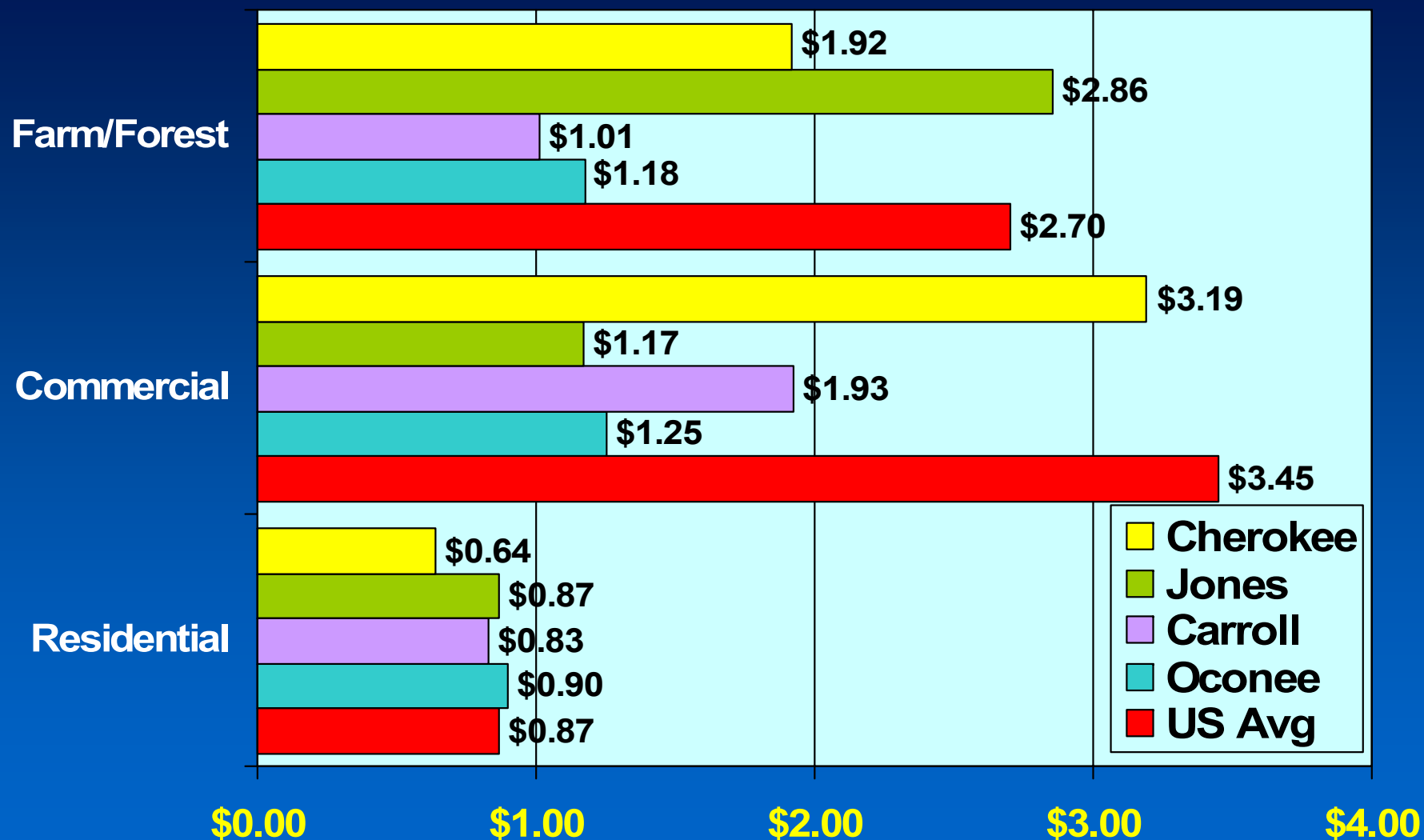
County Property Tax Digest Comparisons: 2004

County	% Residential	% Agricultural	% Commercial	% Industrial	% Motor Vehicle	% Other
JASPER	35.6	41.4	3.8	4.4	6.2	8.6
BUTTS	47.8	20.2	11.4	3.3	10.8	6.6
JONES	53.7	14.1	9.2	2.3	11.8	8.8
MONROE	20.7	8.0	4.3	0.1	3.8	63.1
MORGAN	29.3	47.9	8.7	5.8	5.6	2.8
NEWTON	57.9	7.2	9.9	13.5	8.8	2.6
PUTNAM	64.0	7.7	8.0	3.0	5.8	11.5
Avg. GA Co.	40.6	20.8	13.2	7.9	9.0	8.4

Primary data source: GA Dept. of Revenue

Revenue : Expenditure Ratios

\$ of Revenue for Each \$ of Expenditure

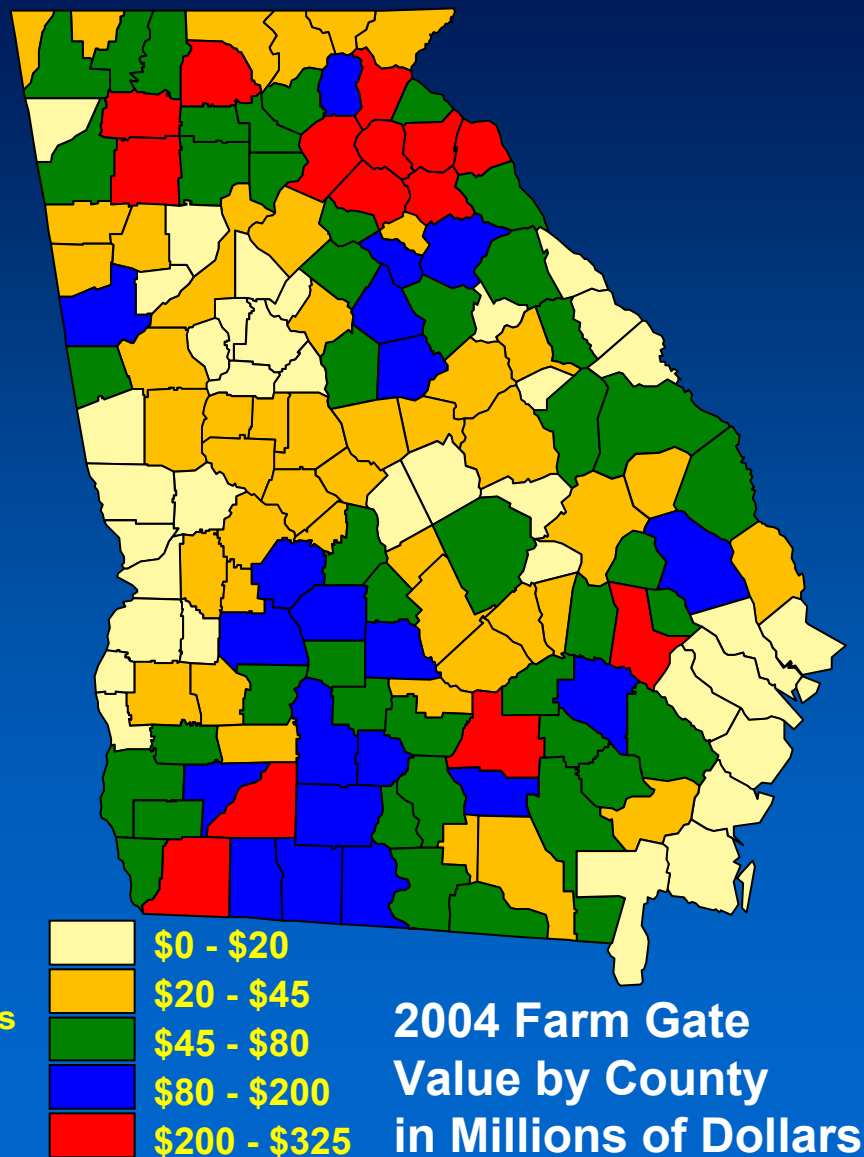
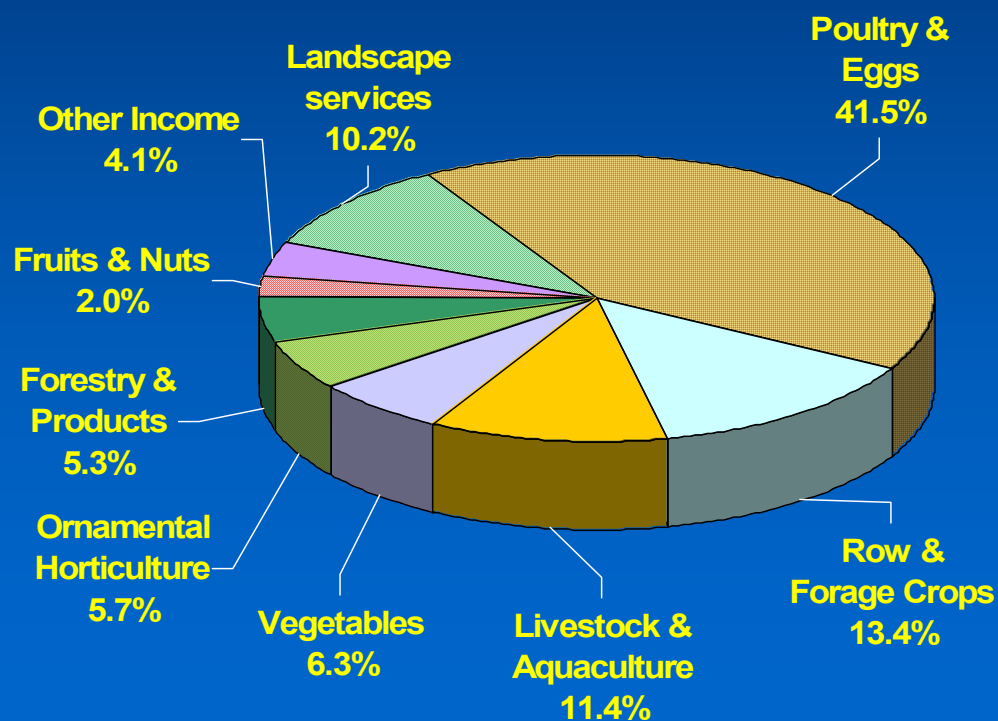


Agriculture in Georgia

- Georgia's 2004 Farm Gate Value was \$10.3 billion. Adding the value of landscape services increased the total agricultural production value to \$11.2 billion.
- Total food and fiber production and directly related businesses account for a \$49.3 billion *impact* on Georgia's \$557 billion economy.

Production Agriculture: 2004

**Georgia Total
Agricultural
Production Value
\$11.2 Billion**



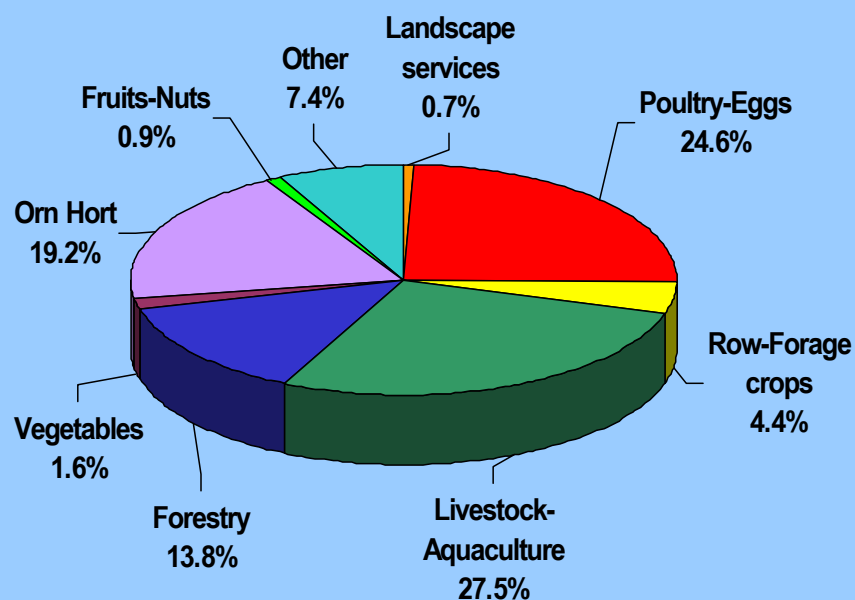
What We Know about Jasper County

- **2004 Farm Gate Value in Jasper Co. was \$70.2 million. Adding \$486 thousand of landscape services increased the total agricultural production value to \$70.7 million.**
- **The highest value commodity group was livestock/aquaculture representing 27.5% of the total agricultural production value.**

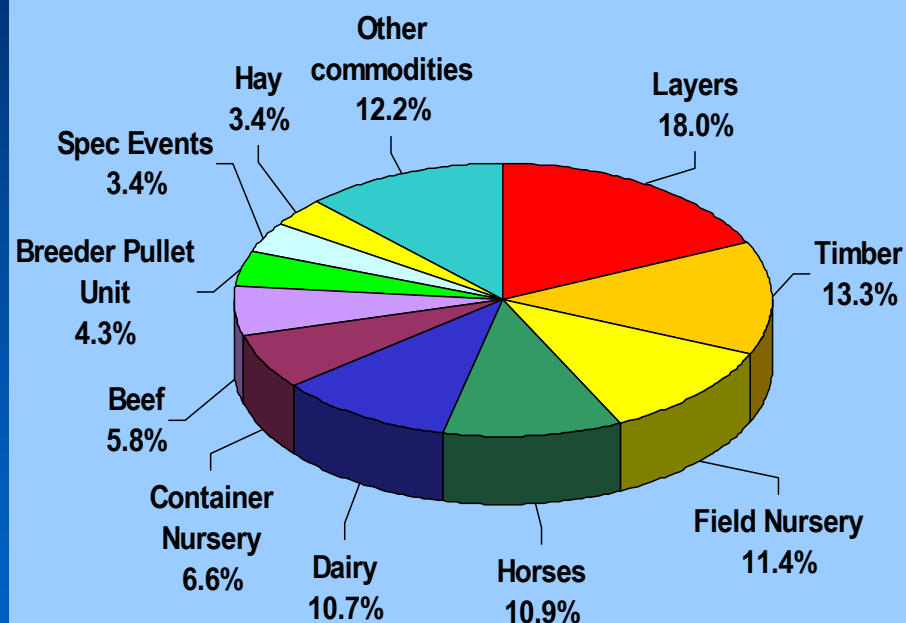
Jasper County

2004 Agricultural Production Value

2004 Agricultural Production



2004 Top Farm Gate Commodities

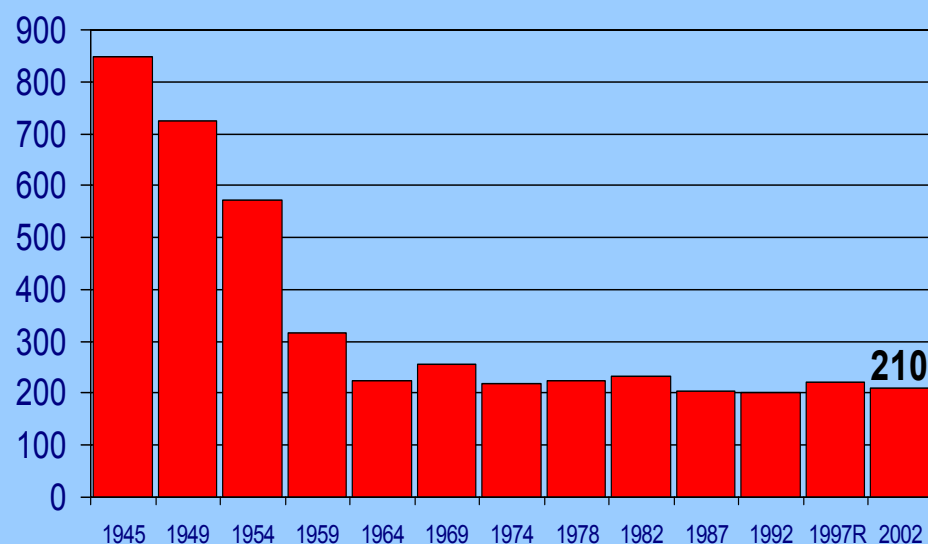


Total AG Value = \$70.7 million

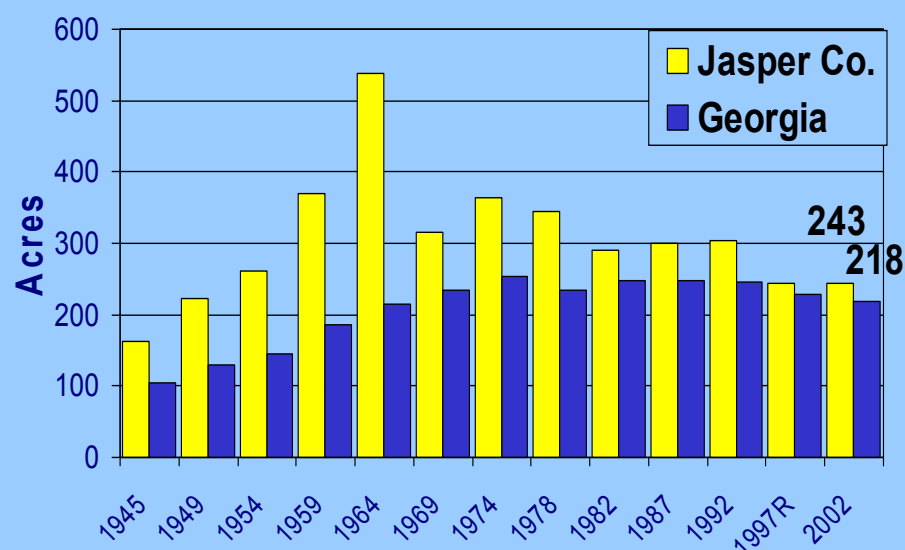
Trends in Jasper County:

Number of Farms & Average Farm Size

Number of Farms, Jasper County



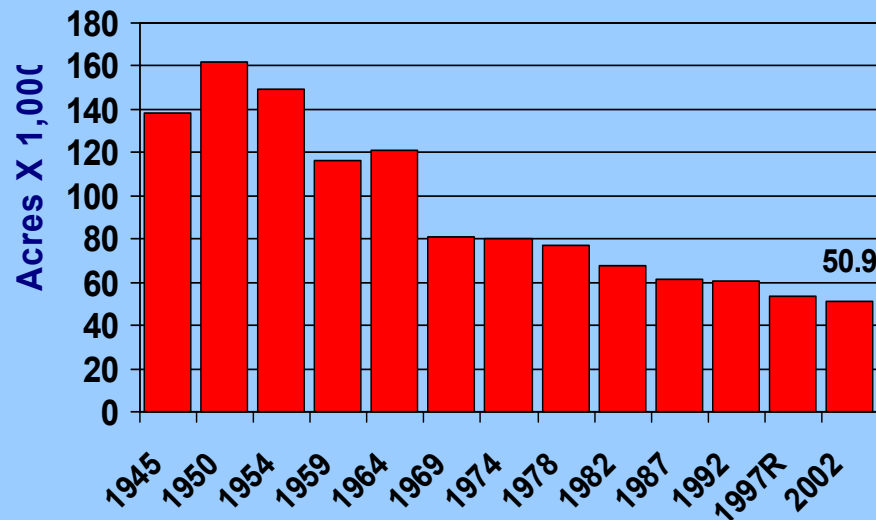
Average Farm Size



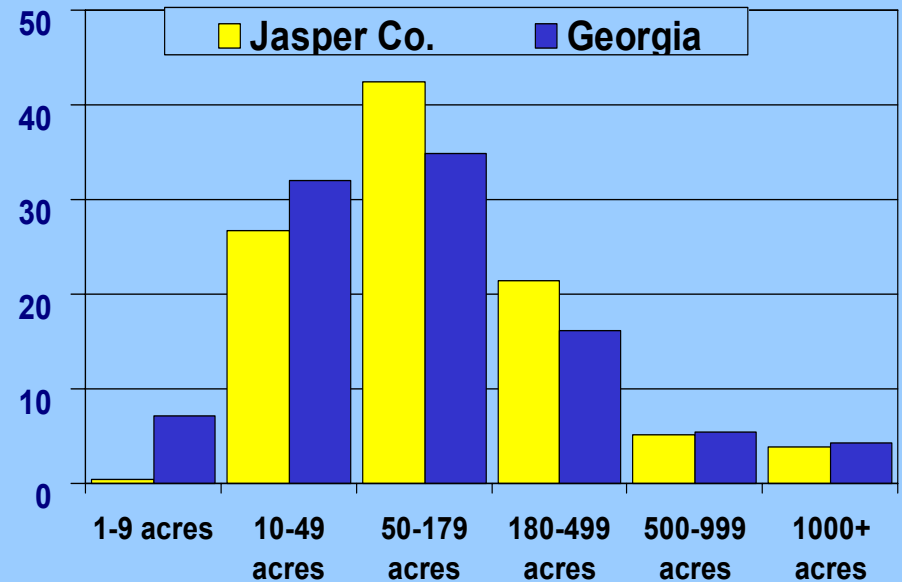
Source: 1945 2002 (quinquennial) Censuses of Agriculture

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

Land in Farms
Jasper County



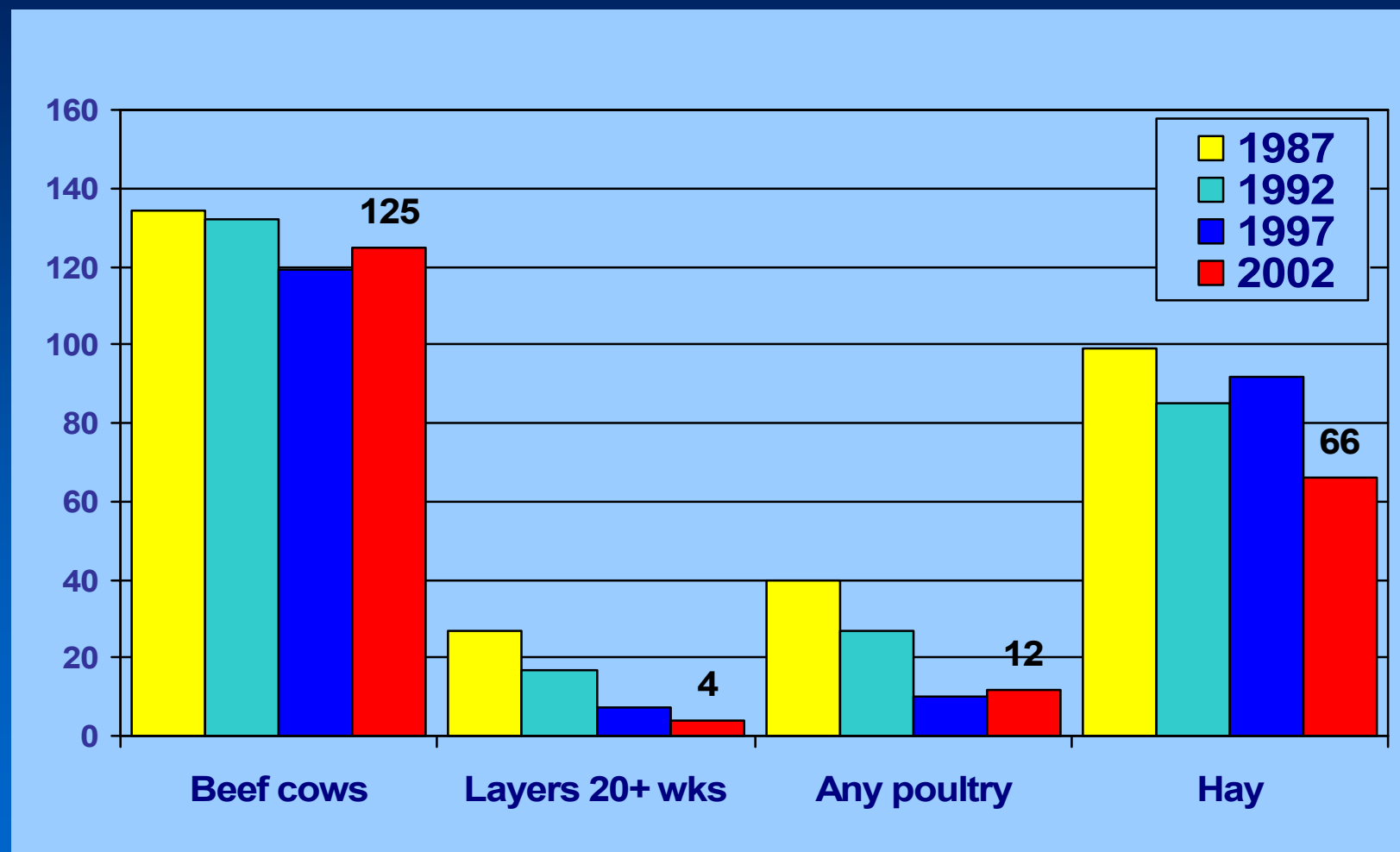
Percent of Farms by Size, 2002



Source: 1945 2002 (quinquennial) Censuses of Agriculture

Trends in Jasper County

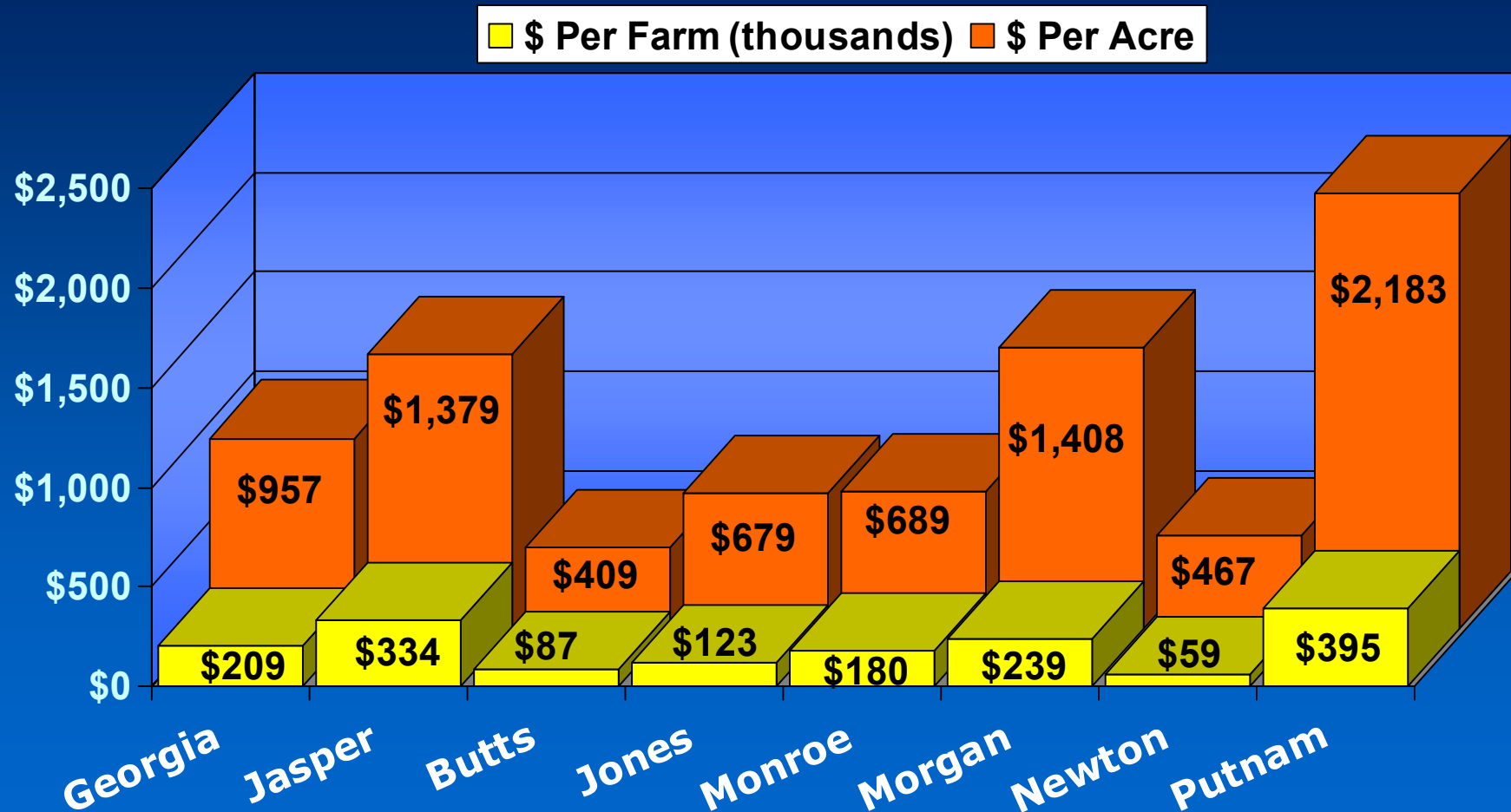
Number of Farms by Commodity



Source: 1987 2002 (quinquennial) Censuses of Agriculture

How Do We Compare ?

Georgia, Jasper and Surrounding Counties Farm Gate Value



Sources: 2002 Census of Agriculture and 2004 Farm Gate Value Report

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?

Jasper County Economy

Agriculture *OUTPUT*

	Output in \$ Millions	Percent
<i>Agriculture</i>	72.658	18.8
Mining	3.863	1.0
Construction	23.734	6.1
Manufacturing	175.665	45.2
Trans-Utilities-Info	11.748	3.0
Trade	8.169	2.1
Finance-Ins-RE	7.151	1.8
Services	33.107	8.5
Government	52.202	13.4

Total County Economic Output = \$388.3 million

Jasper County Economy

Agriculture + Directly Related Businesses *OUTPUT*

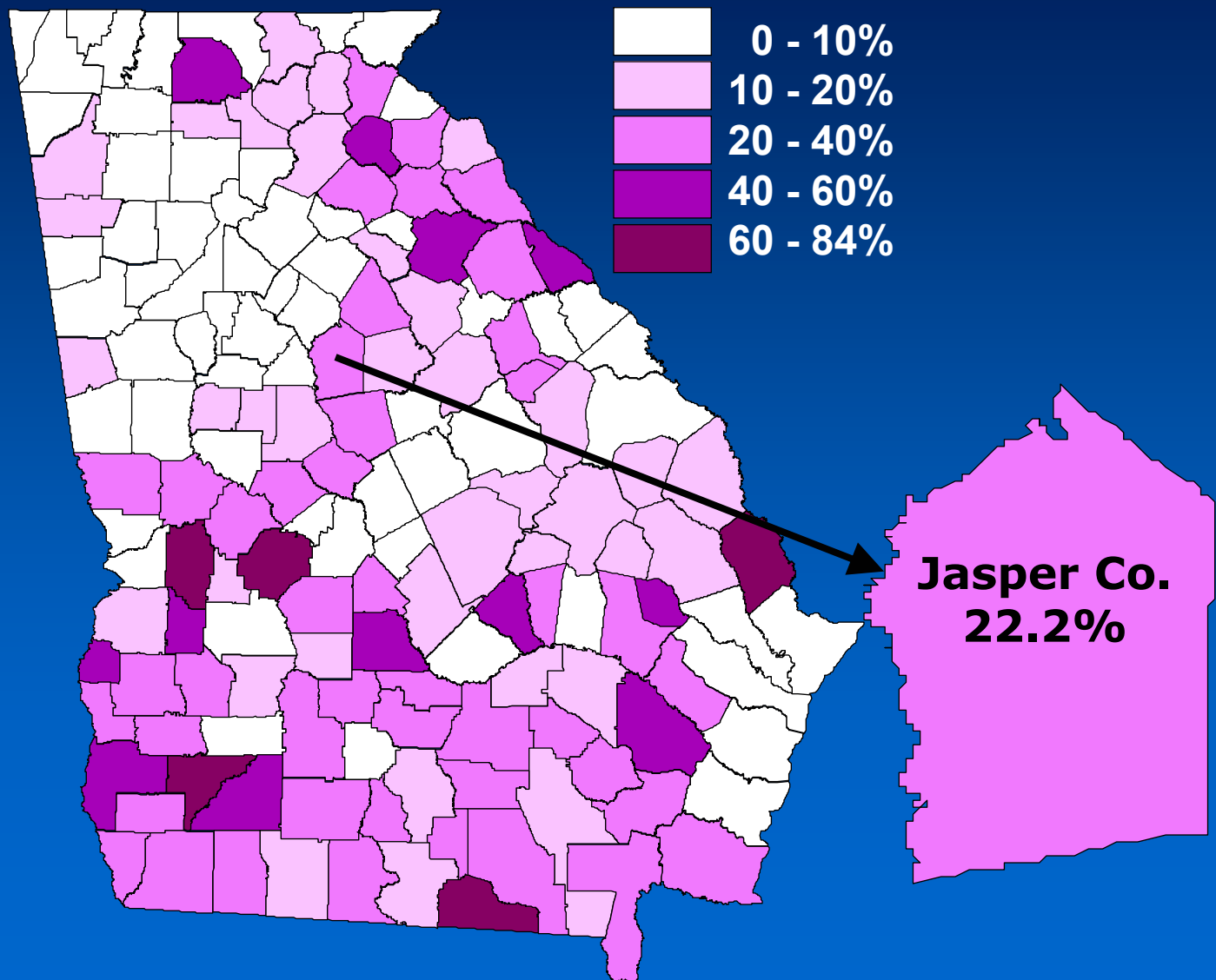
	Output in \$ Millions	Percent
<i>Agriculture + Direct</i>	85.541	22.1
Mining	3.863	1.0
Construction	23.734	6.1
Manufacturing	162.781	41.9
Trans-Utilities-Info	11.748	3.0
Trade	8.169	2.1
Finance-Ins-RE	7.151	1.8
Services	33.107	8.5
Government	52.202	13.4

Total County Economic Output = \$388.3 million

An Economic Snapshot of Jasper County

- **How much of Jasper County's total economic output comes from food and fiber production?**
- **Agricultural output alone comprises 18.8% of the county's economy.**
- **AG plus directly related businesses (ex. fertilizer mixing, sawmills, etc.) comprise 22.2% of the county's economy.**

Food and Fiber Production, Processing and Direct Manufacturing as % of Total Output



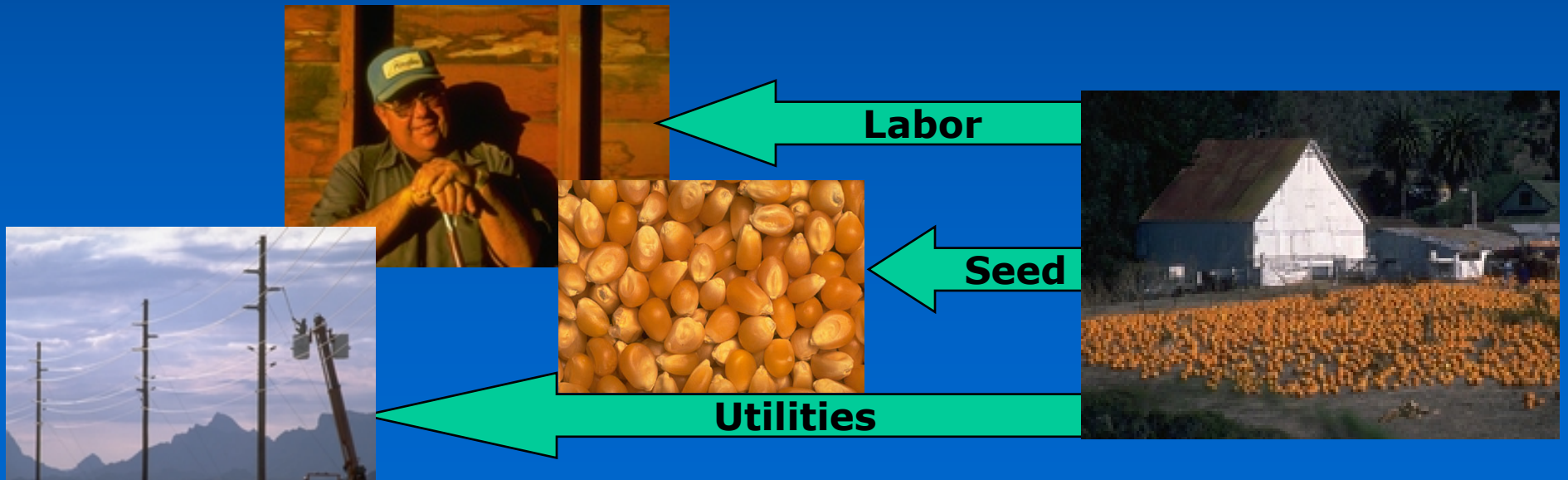
What is the Impact?

- 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.



Jasper County

Agriculture *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture	70.716	0.000
Mining	0	0.001
Construction	0	0.341
Manufacturing	0	0.538
Trans-Utilities-Info	0	0.923
Trade	0	0.680
Finance-Ins-RE	0	0.790
Services	0	2.581
Government	0	3.012
Total	70.716	8.893

Total Impact of Production AG = \$79.6 million—20.5% of total economy

Jasper County

Production Agriculture + Directly Related Businesses *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture + Direct	85.837	0
Mining	0	0.001
Construction	0	0.374
Manufacturing	0	1.909
Trans-Utilities-Info	0	1.096
Trade	0	0.750
Finance-Ins-RE	0	0.902
Services	0	2.998
Government	0	3.334
Total	85.837	11.365

Total Impact of AG + Directly Related = \$97.2 million—25% of total economy

Jasper County

Production Agriculture + Directly Related Industries Employment *IMPACT*

	Direct	Indirect
Agriculture + Direct	1,157	0
Mining	0	0
Construction	0	5
Manufacturing	0	8
Trans-Utilities-Info	0	9
Trade	0	17
Finance-Ins-RE	0	7
Services	0	61
Government	0	5

Total Impact of AG + Directly Related Employment = 1,269 Jobs

What These Numbers Mean:

A Brief Explanation

- **Direct** impact is \$85.8 million. This includes food and fiber production, processing and directly related manufacturing.
- **Indirect** impact from the Trade sector is \$750 thousand. 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:

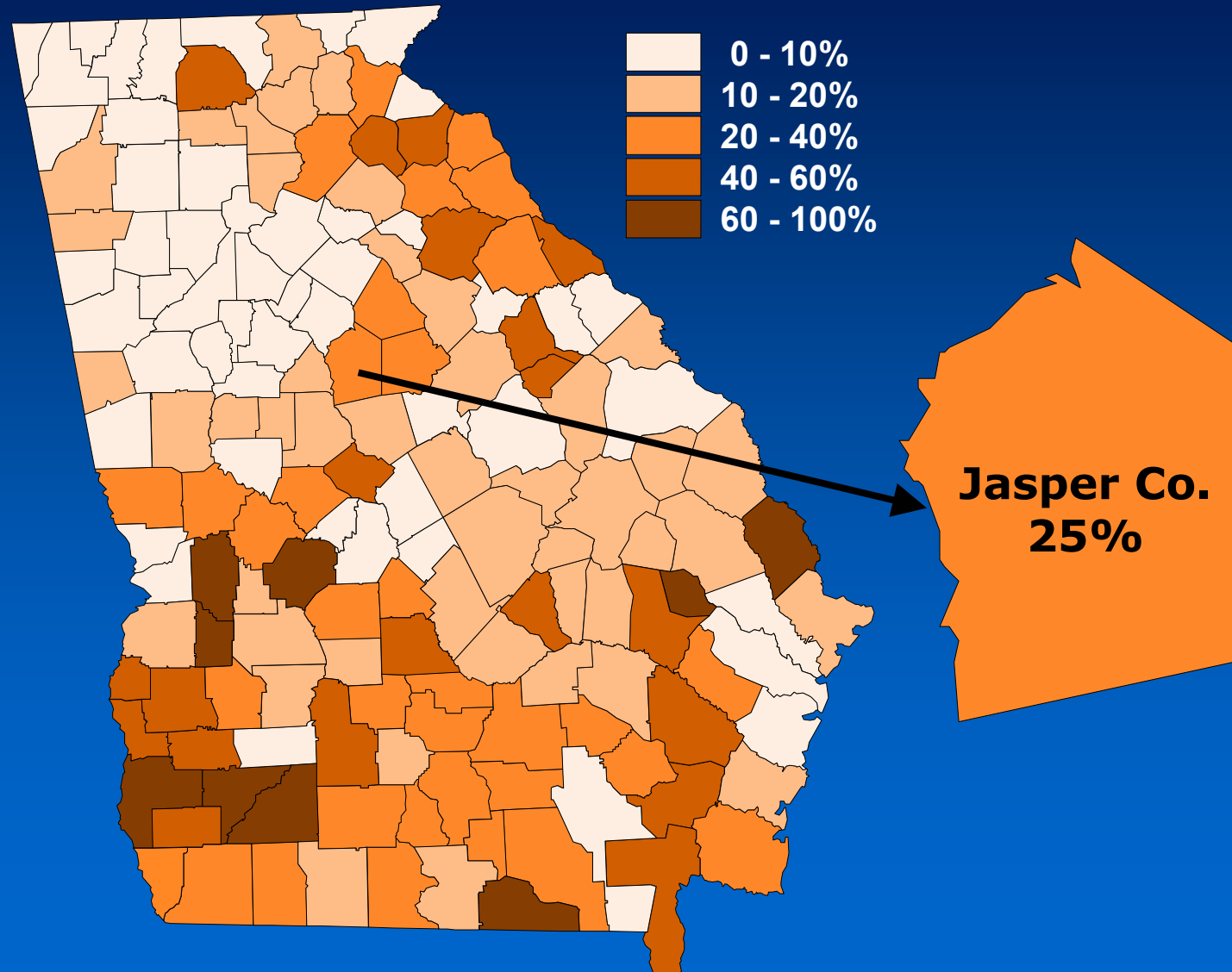
A Brief Explanation (continued)

- **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.**

Jasper County Food and Fiber Impact Conclusions

- The total *impact* of food and fiber production, processing and direct manufacturing is \$97.2 million.
- The total *output* is \$388.6 million.
- Thus, food and fiber (directly and indirectly) account for 25% of the total output.

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



Contact Information

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*“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
#06-08A
February, 2006

