

The Economic Importance of Food and Fiber

A Spotlight on Tattnall County, Georgia

Prepared for:
Tattnall County Cooperative Extension
October, 2006

by:

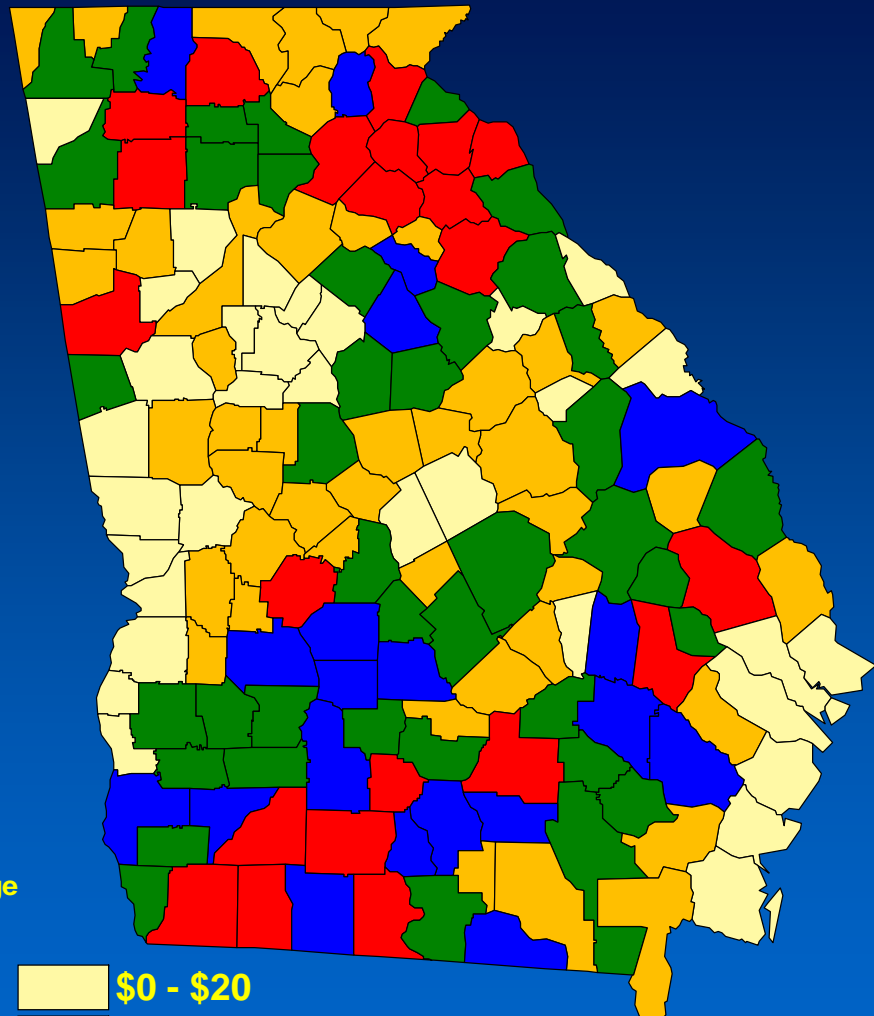
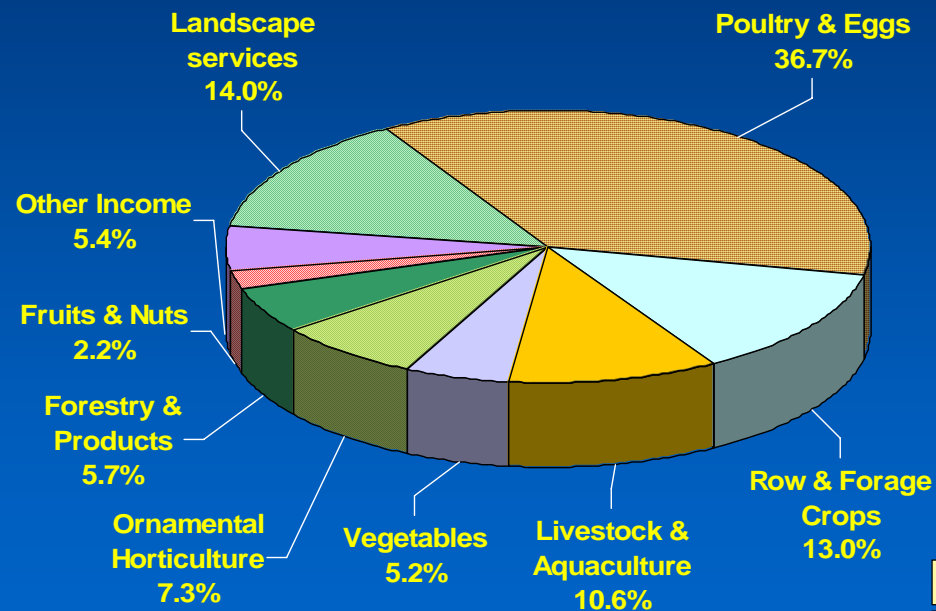
The Center for Agribusiness and Economic Development
College of Agricultural and Environmental Sciences
The University of Georgia

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



2005 Farm Gate
Value by County
in Millions of Dollars

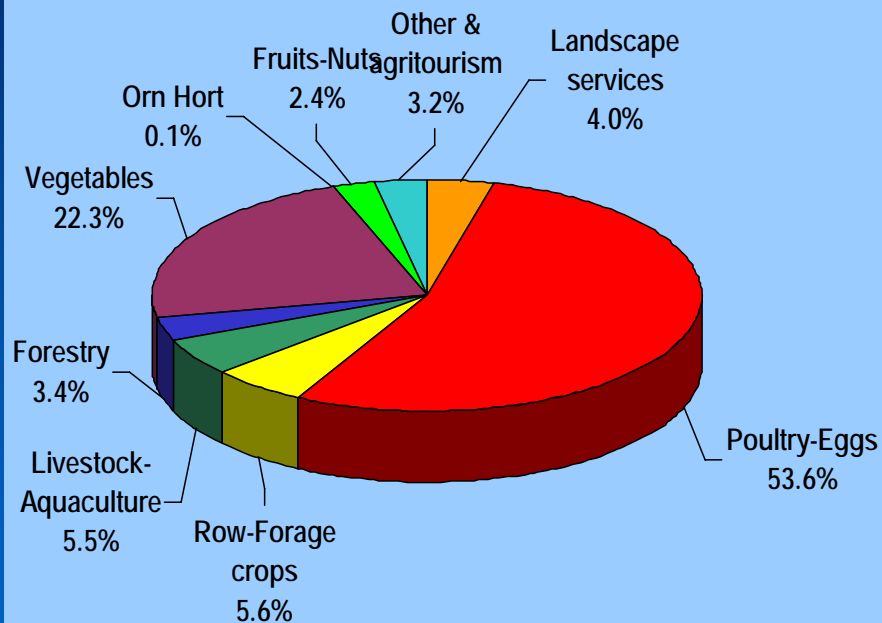
What We Know about Tattnall County

- 2005 Farm Gate Value in Tattnall Co. was \$232.9 million. Adding \$9.7 million of landscape services increased the total agricultural production value to \$242.7 million.
- The highest value commodity group was poultry-eggs, representing 53.6% of the total agricultural production value.

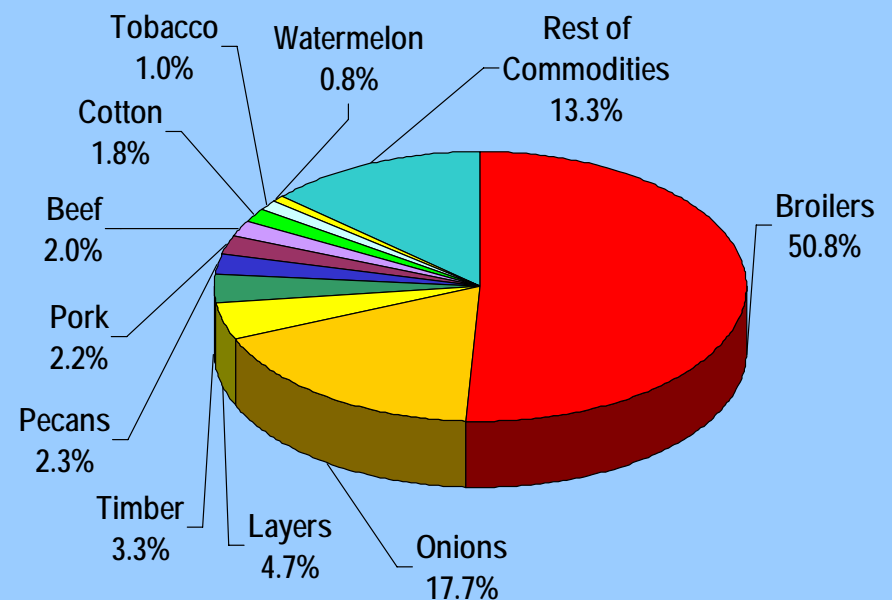
Tattnall County

2005 Agricultural Production Value

2005 Agricultural Production



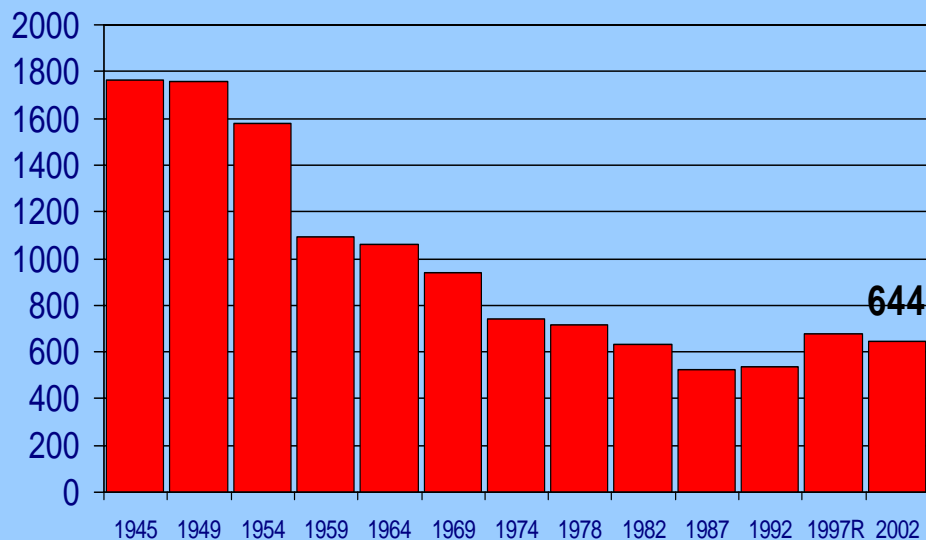
2005 Top Farm Gate Commodities



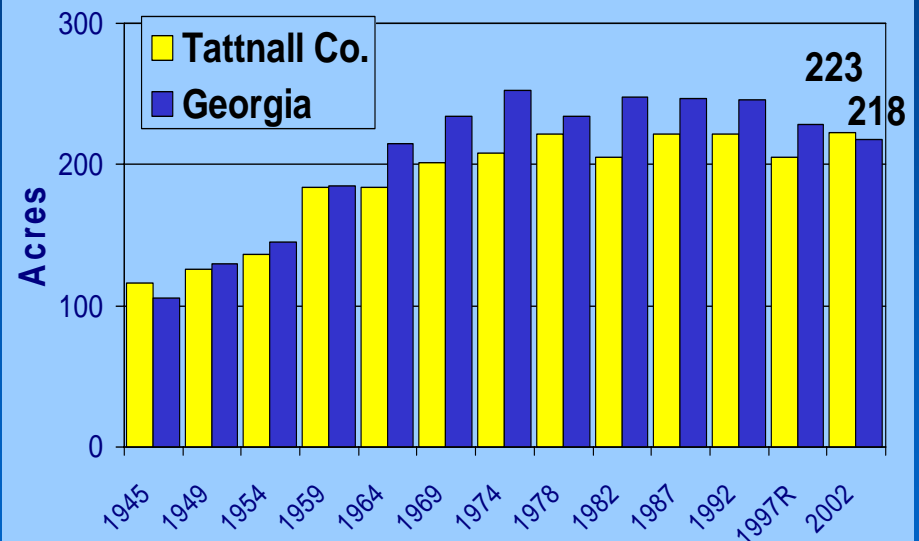
Total AG Value = \$242.7 million

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

Number of Farms, Tattnall County



Average Farm Size

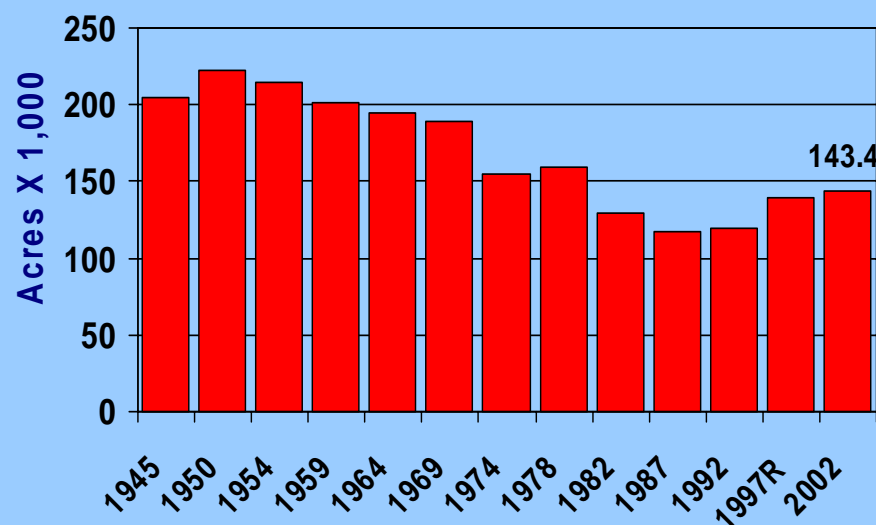


Source: 1945 2002 (quinquennial) Censuses of Agriculture

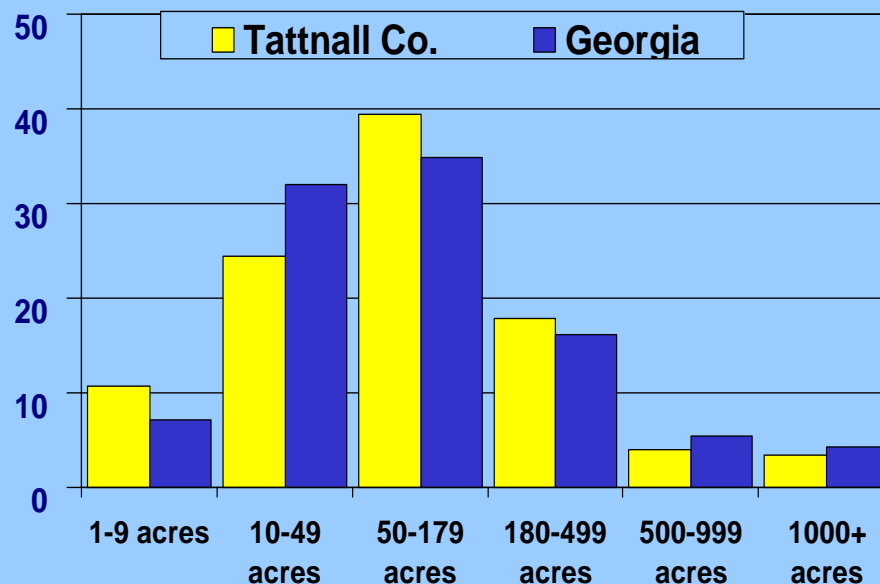
Trends in Tattnall County:

Land in Farms & Farms by Size

Land in Farms
Tattnall County



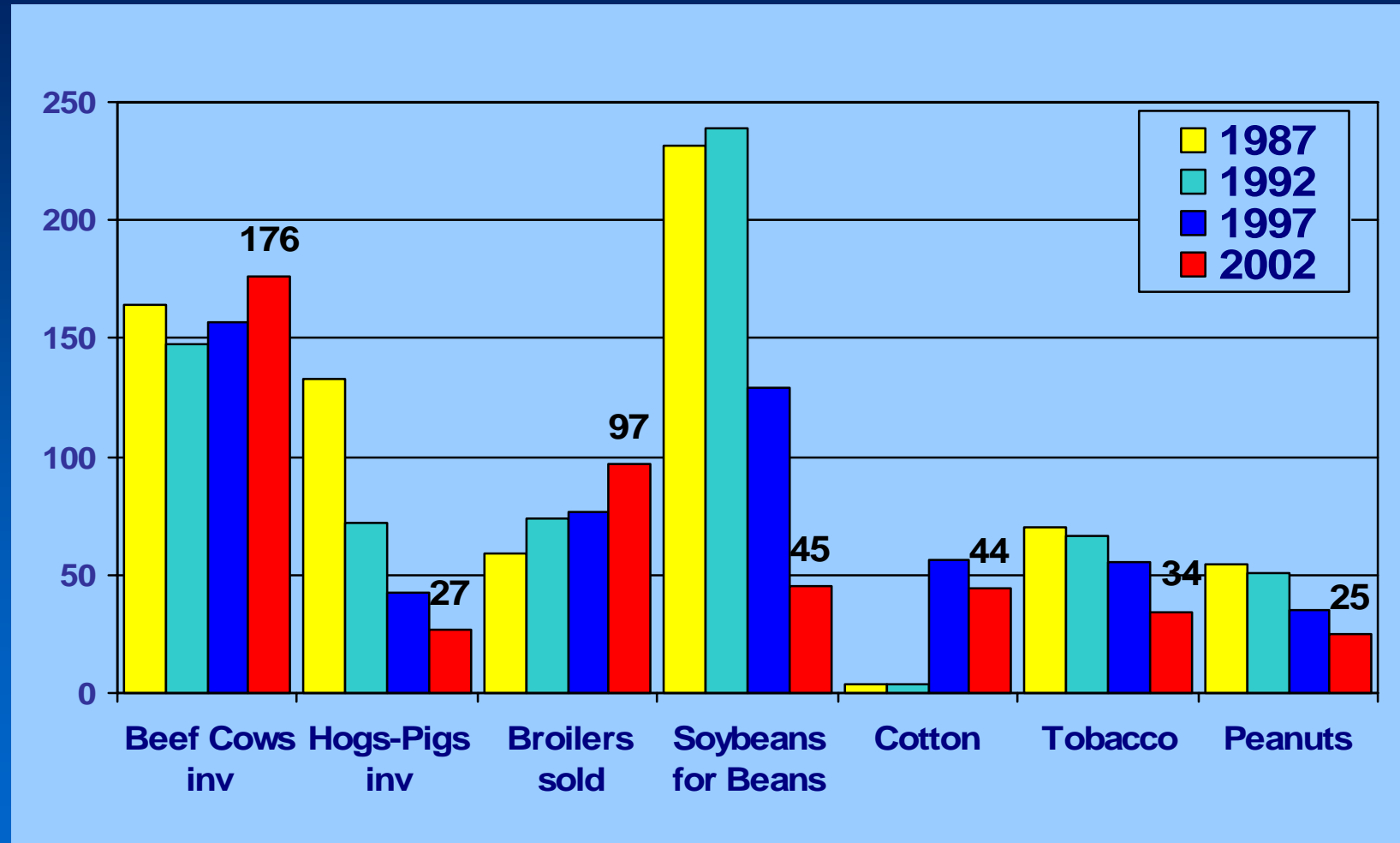
Percent of Farms by Size, 2002



Source: 1945 2002 (quinquennial) Censuses of Agriculture

Trends in Tattnall County

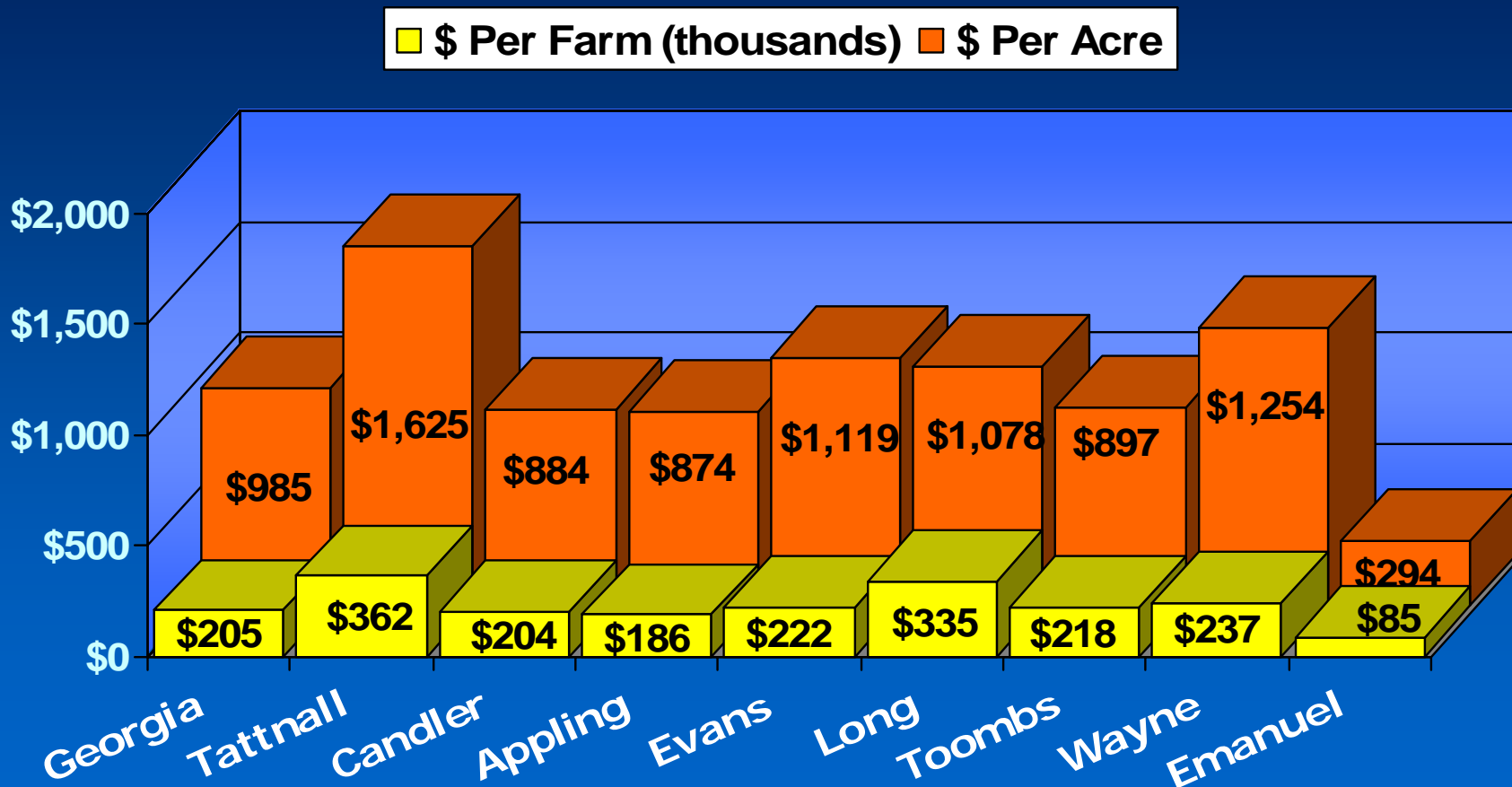
Number of Farms by Commodity



Source: 1987 2002 (quinquennial) Censuses of Agriculture

How Do We Compare ?

Georgia, Tattnall and Surrounding Counties Farm Gate Value



Sources: 2002 Census of Agriculture and 2005 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?

Tattnall County Economy

Agriculture *OUTPUT*

	Output in \$ Millions	Percent
Agriculture	242.656	34.5
Mining	2.798	0.4
Construction	29.106	4.1
Manufacturing	49.456	7.0
Trans-Utilities-Info	36.409	5.2
Trade	60.699	8.6
Finance-Ins-RE	27.057	3.8
Services	97.657	13.9
Government	157.097	22.3

Total County Economic Output = \$702.9 million

Tattnall County Economy

Agriculture + Directly Related Businesses *OUTPUT*

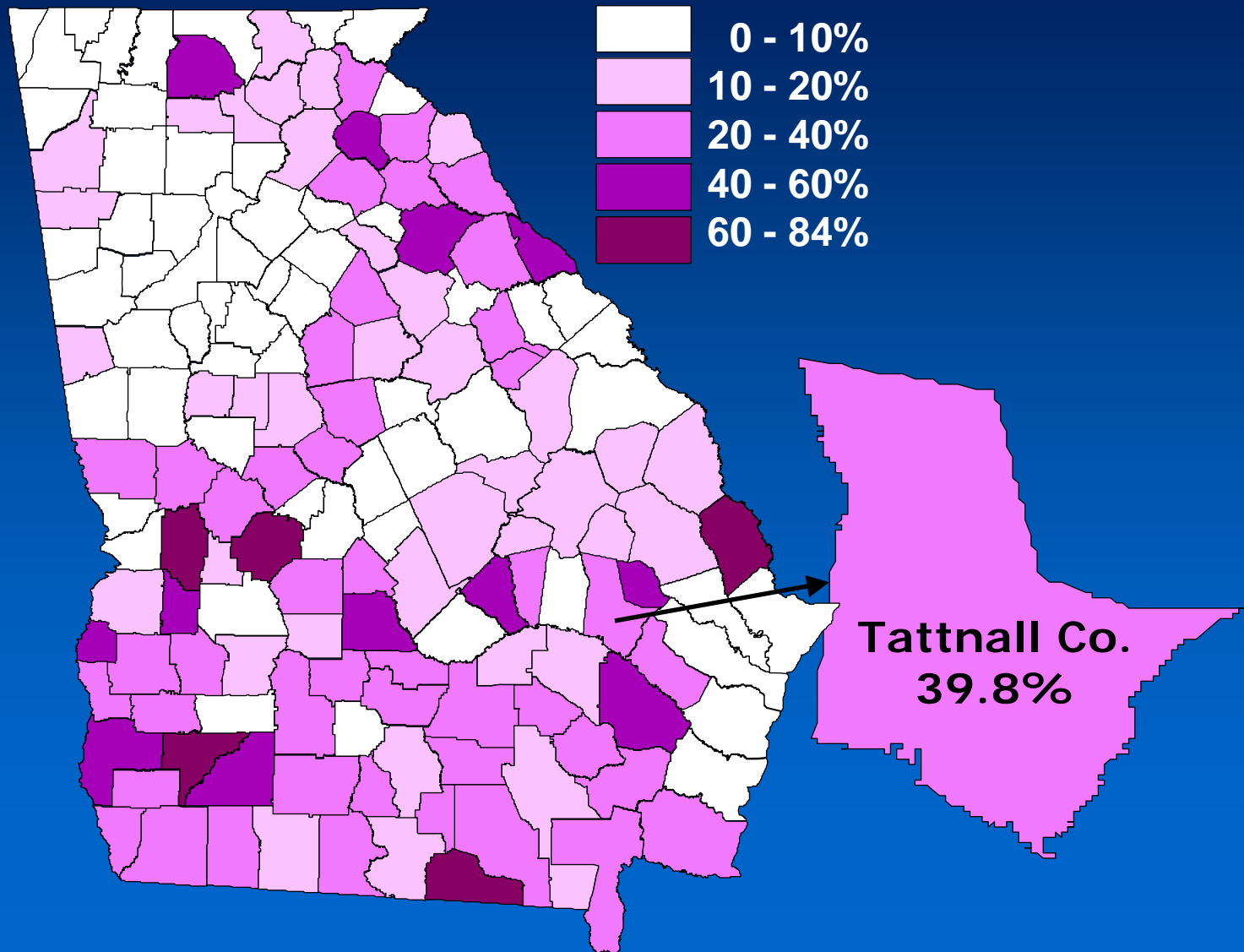
	Output in \$ Millions	Percent
<i>Agriculture + Direct</i>	279.852	39.8
Mining	2.798	0.4
Construction	29.106	4.1
Manufacturing	12.260	1.7
Trans-Utilities-Info	36.409	5.2
Trade	60.699	8.6
Finance-Ins-RE	27.057	3.8
Services	97.657	13.9
Government	157.097	22.3

Total County Economic Output = \$702.9 million

An Economic Snapshot of Tattnall County

- How much of Tattnall County's total economic output comes from food and fiber production?
- AG value alone of \$242.7 million consisting of Farm Gate Value and landscape services comprises 34.5% of the county's economy.
- AG plus directly related businesses (ex. logging, sawmills, etc.) comprise 39.8% of the county's economy.

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



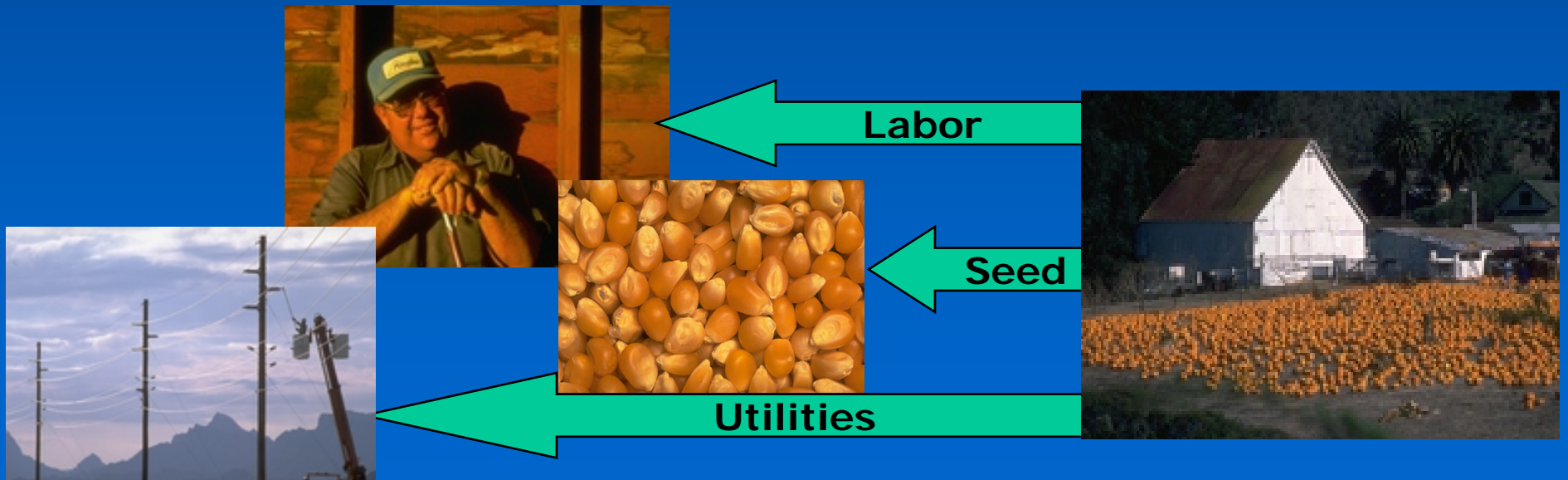
What is the Impact?

- 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.



Tattnall County

Agriculture *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture	242.656	0
Mining	0	0
Construction	0	0.433
Manufacturing	0	0.367
Trans-Utilities-Info	0	7.996
Trade	0	14.492
Finance-Ins-RE	0	4.129
Services	0	11.531
Government	0	12.311
Total	242.656	51.257

Total Impact of Production AG=\$294 million—41.8% of total economy

Tattnall County

Production Agriculture + Directly Related Businesses *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture + Direct	279.852	0.000
Mining	0	0.000
Construction	0	0.459
Manufacturing	0	0.457
Trans-Utilities-Info	0	8.395
Trade	0	15.956
Finance-Ins-RE	0	4.710
Services	0	12.926
Government	0	13.269
Total	279.852	56.171

Total Impact of AG+Directly Related = \$336 million—47.8% of total economy

Tattnall County

Production Agriculture + Directly Related Industries Employment *IMPACT*

	Direct	Indirect
Agriculture + Direct	2,713	0
Mining	0	0
Construction	0	6
Manufacturing	0	5
Trans-Utilities-Info	0	96
Trade	0	281
Finance-Ins-RE	0	37
Services	0	273
Government	0	17

Total Impact of AG + Directly Related Employment = 3,427 Jobs

What These Numbers Mean:

A Brief Explanation

- *Direct* impact is \$279.8 million. This includes food and fiber production, processing and directly related manufacturing.
- *Indirect* impact from the Trade sector is \$16 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:

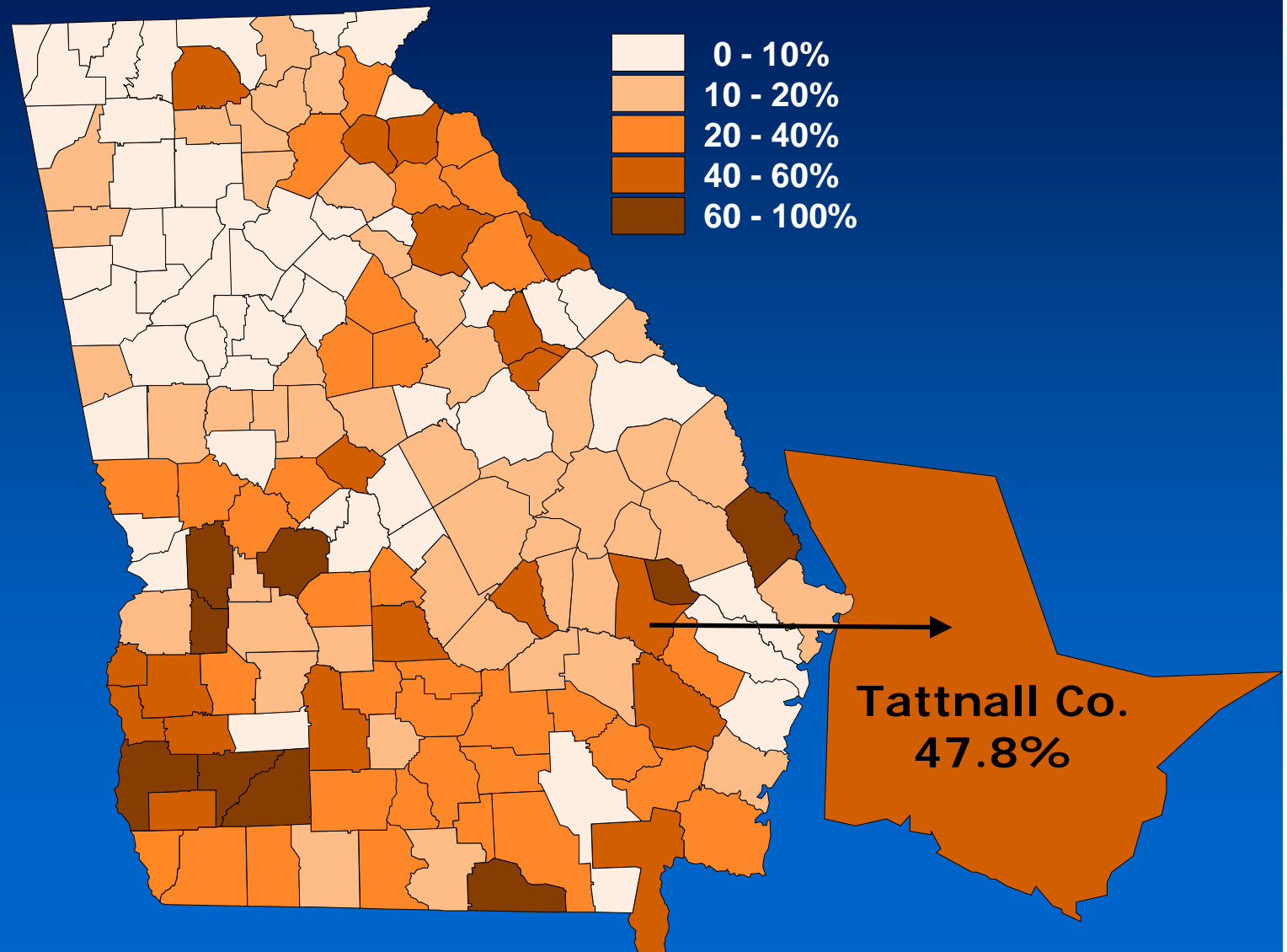
A Brief Explanation (continued)

- 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.

Tattnall County Food and Fiber Impact Conclusions

- The total *impact* of food and fiber production, processing and direct manufacturing is \$336 million.
- The total *output* is \$702.9 million.
- Thus, food and fiber (directly and indirectly) account for 47.8% 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
#06-20A
October, 2006**

