

# The Economic Importance of Food and Fiber

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## A Spotlight on Putnam County, Georgia

Prepared for  
Putnam County Cooperative Extension  
January, 2009

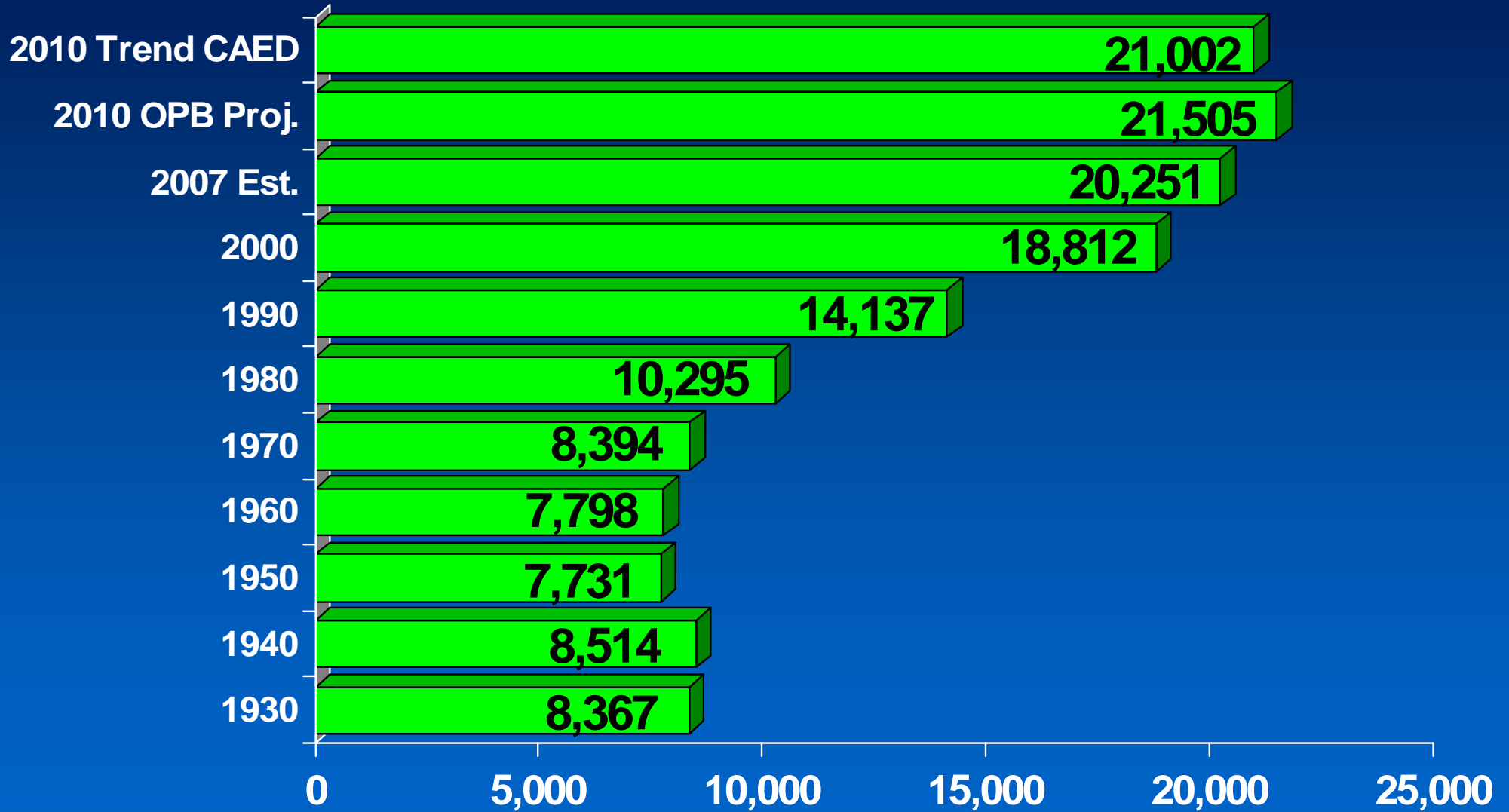
by:

The Center for Agribusiness  
and Economic Development

College of Agricultural  
and Environmental Sciences

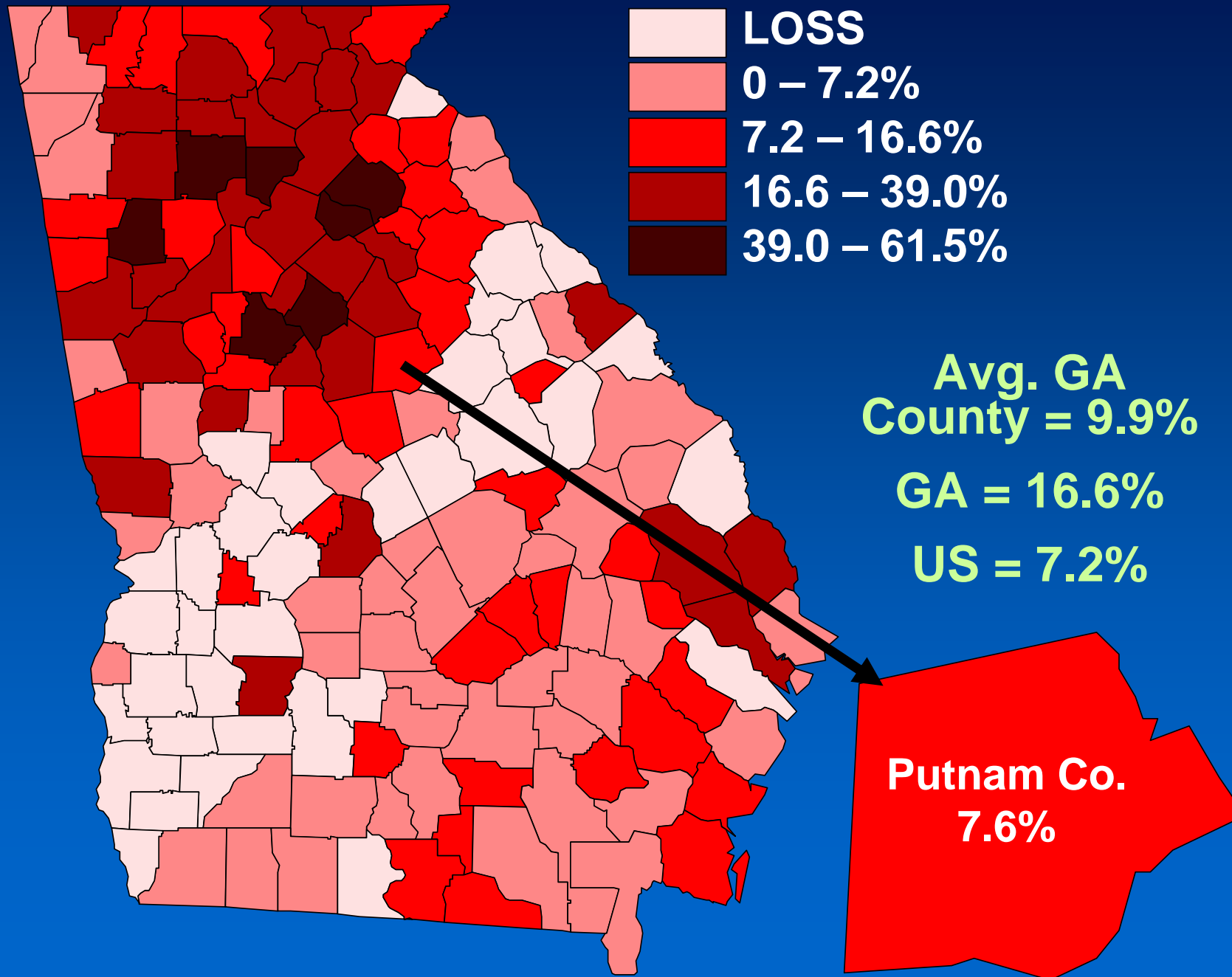
The University of Georgia

# Total Population Putnam County



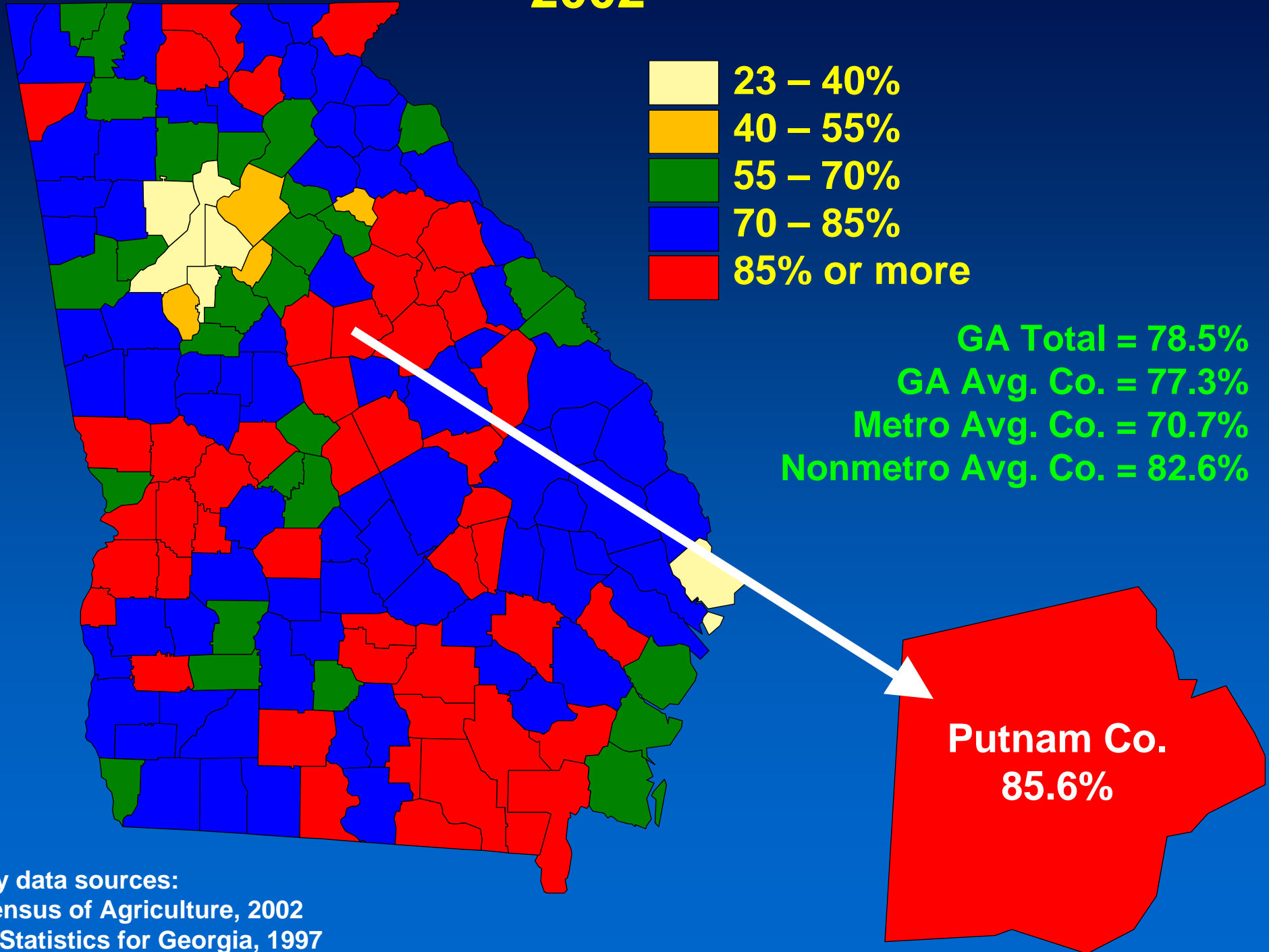
Primary data sources: U.S. Census Bureau, decennial censuses & estimate; OPB (State Office of Planning and Budget) CAED (Center for Agribusiness & Economic Development).

# Population Change: 2000-2007

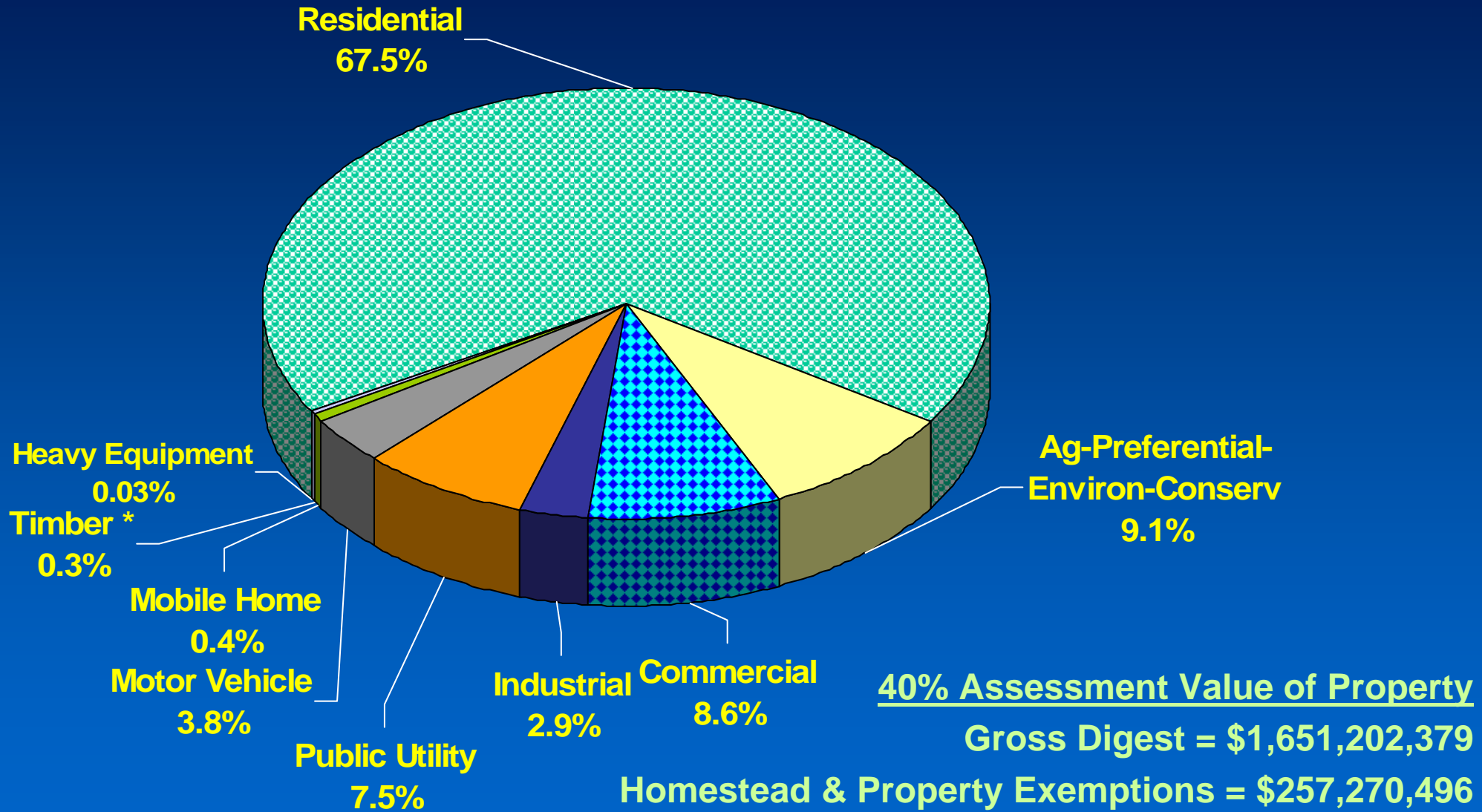


Primary data source: U.S. Census Bureau (3/08)

# Percent of Land in Cropland & Forestland: 2002



# Components of 2007 Property Tax Gross Digest Putnam County



40% Assessment Value of Property

Gross Digest = \$1,651,202,379

Homestead & Property Exemptions = \$257,270,496

Net M&O Digest = \$1,393,931,883

Value of exempt property = \$42,103,224

Primary data source:  
GA Dept. of Revenue

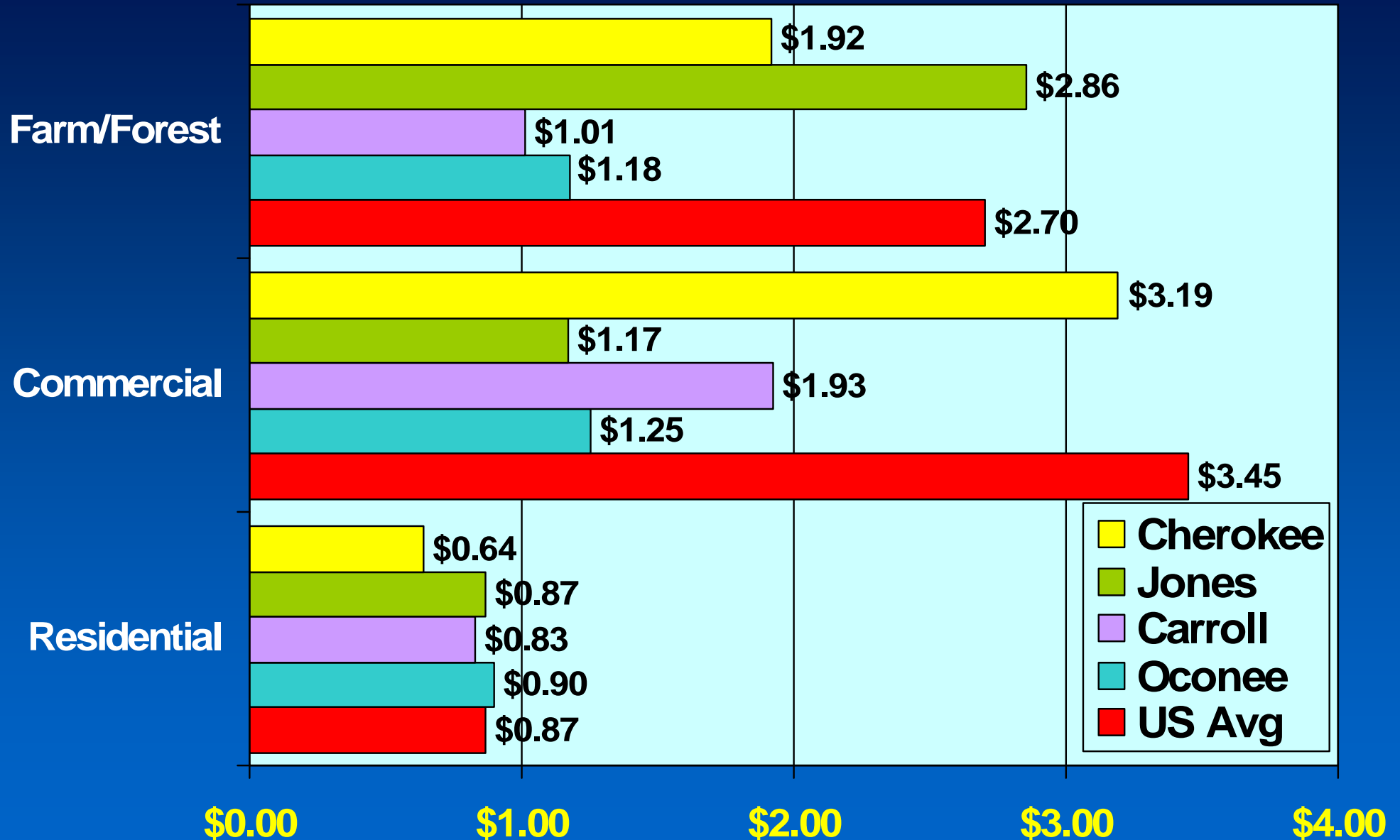
\* Timber taxed at 100% based on previous year sales

# County Property Tax Digest Comparisons: 2007

County	% Residential	% Agricultural	% Commercial	% Industrial	% Utility	% Motor Veh	% Mobile Home	% Timber
PUTNAM	64.2	9.9	9.7	3.2	7.5	4.0	0.4	0.3
BALDWIN	55.9	6.7	17.0	5.8	5.9	7.6	1.3	0.2
GREENE	66.1	17.0	8.8	2.7	1.6	2.8	0.3	0.3
HANCOCK	40.8	32.1	4.0	0.6	11.9	3.7	2.9	3.6
JASPER	39.4	42.1	3.3	3.8	3.7	5.6	0.5	0.6
JONES	55.4	13.3	9.4	2.1	5.2	10.5	0.8	0.5
MORGAN	31.5	43.6	11.6	5.6	1.6	4.9	0.5	0.2
Avg. GA Co.	41.9	22.5	12.8	7.6	5.0	7.4	1.1	0.9

# Revenue : Expenditure Ratios

## \$ of Revenue for Each \$ of Expenditure



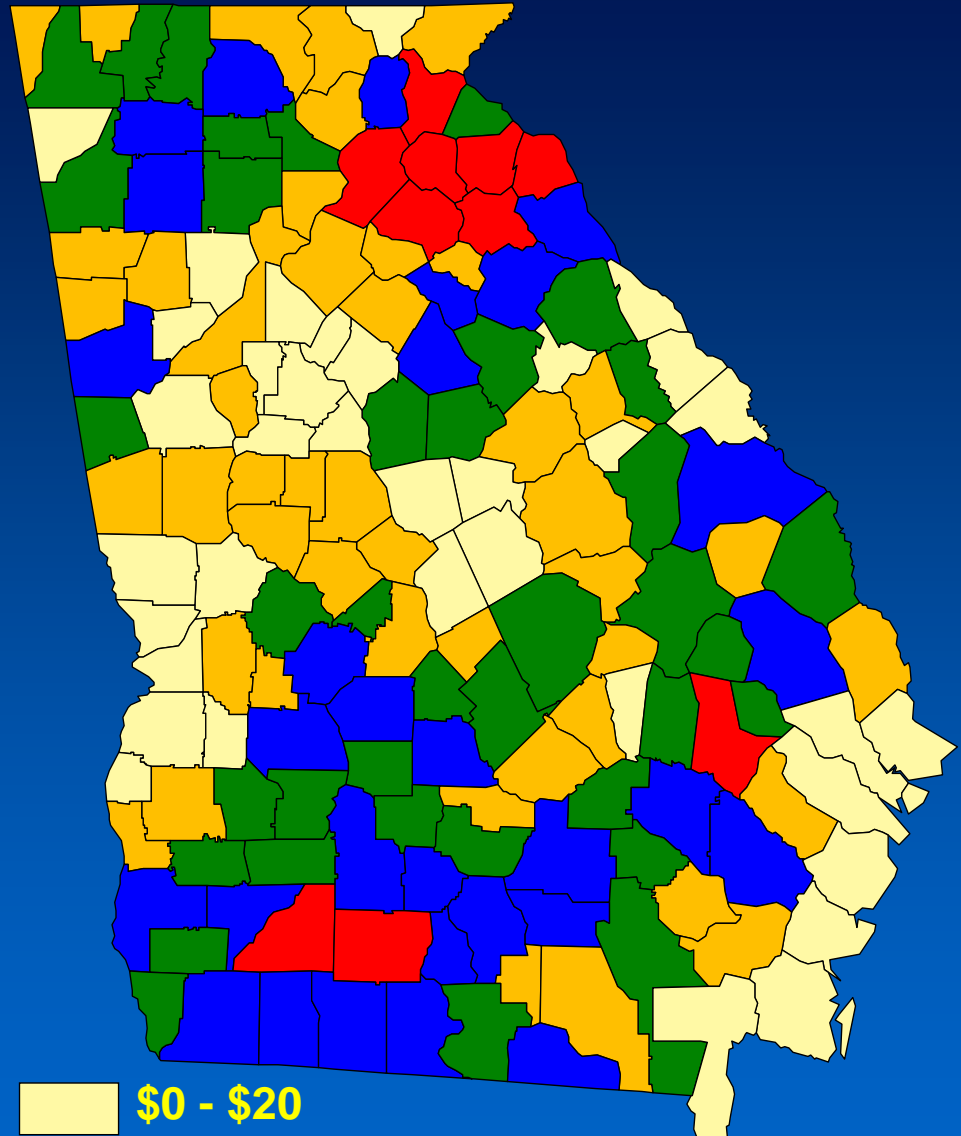
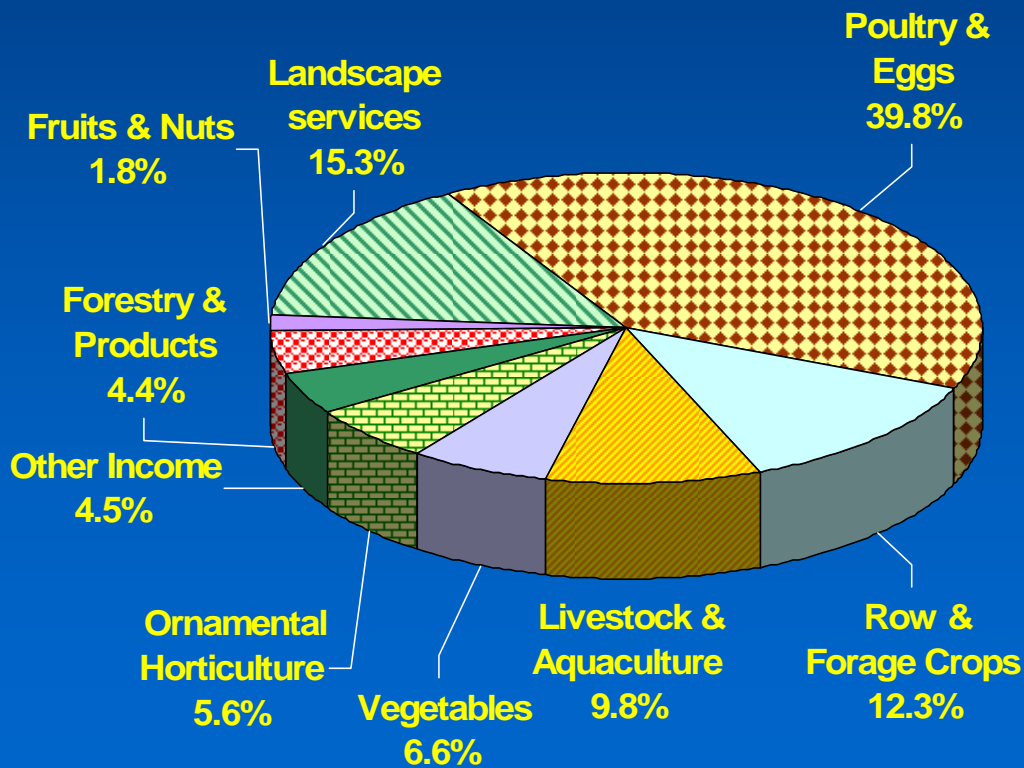
# Agriculture in Georgia

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- Georgia's 2007 Farm Gate Value was \$11.6 billion. Adding the value of landscape services increased the total agricultural production value to \$13.6 billion.
- Total food and fiber production and directly related businesses account for a \$59 billion *output impact* on Georgia's \$735 billion economy.

# Production Agriculture: 2007

Georgia Total  
Agricultural  
Production Value  
\$13.6 Billion



2007 Farm Gate  
Value by County  
in Millions of Dollars

# What We Know about Putnam County

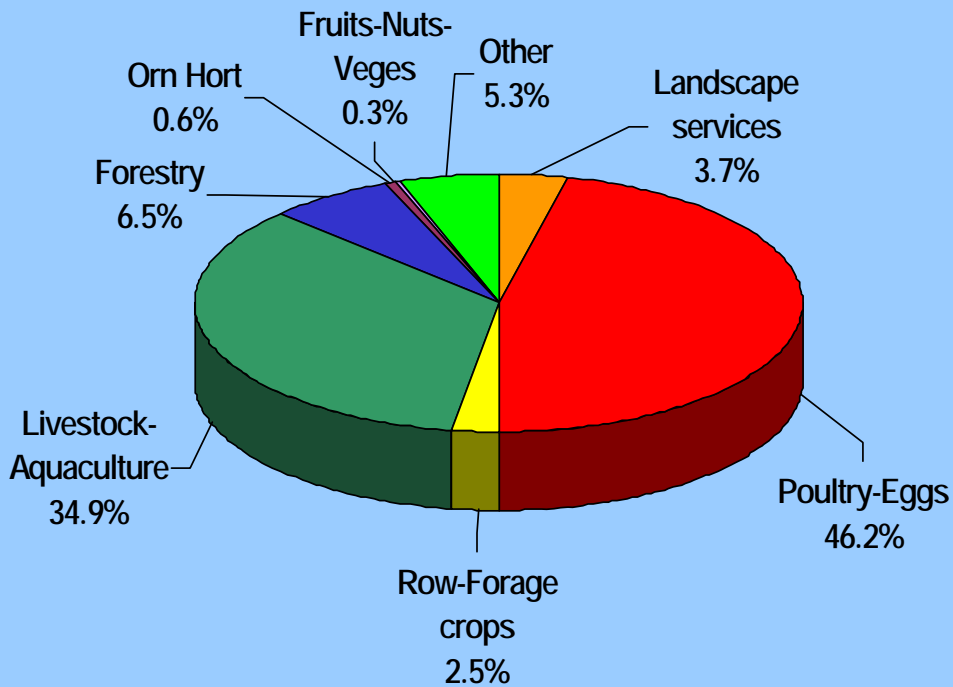
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- 2007 Farm Gate Value in Putnam Co. was \$84.6 million. Adding \$3.3 million of landscape services increased the total agricultural production value to \$87.8 million.
- The highest value commodity group was poultry, representing 46.2% of the total agricultural production value.

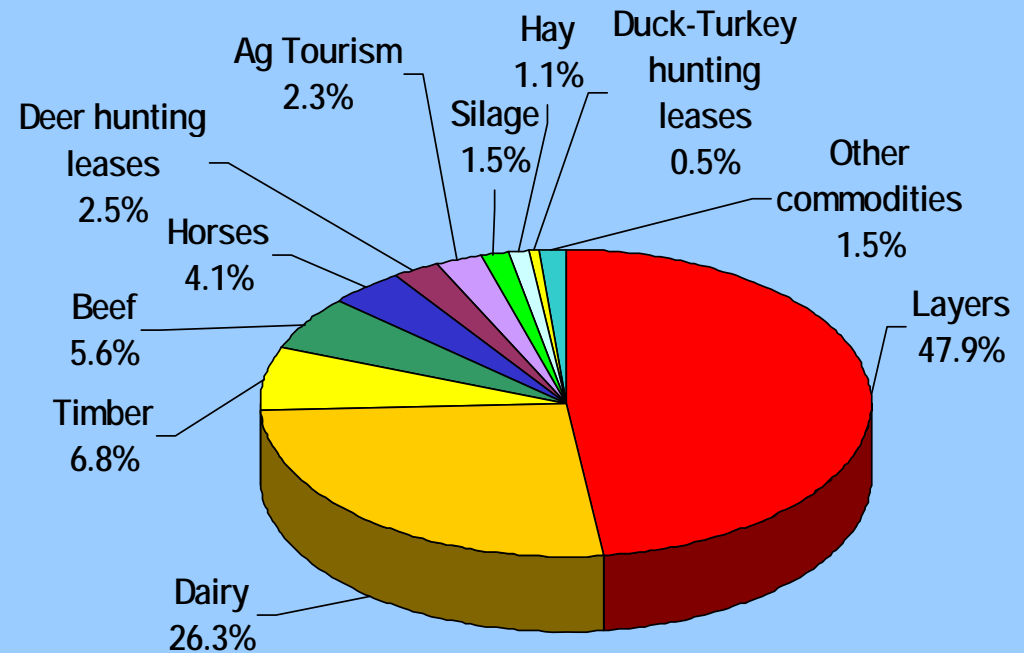
# Putnam County

## 2007 Agricultural Production Value

### 2007 Agricultural Production



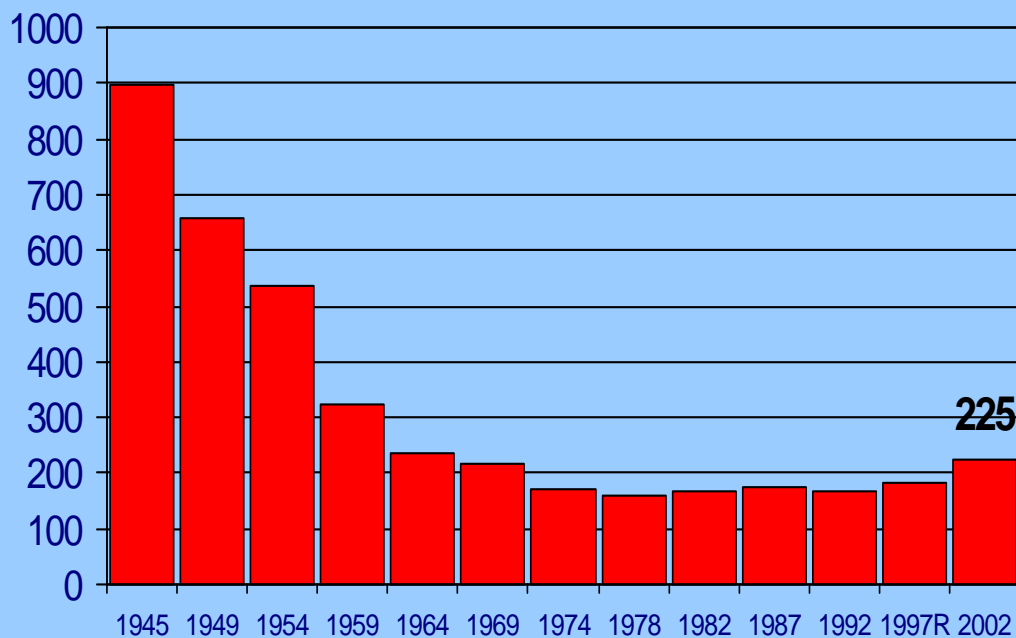
### 2007 Top Farm Gate Commodities



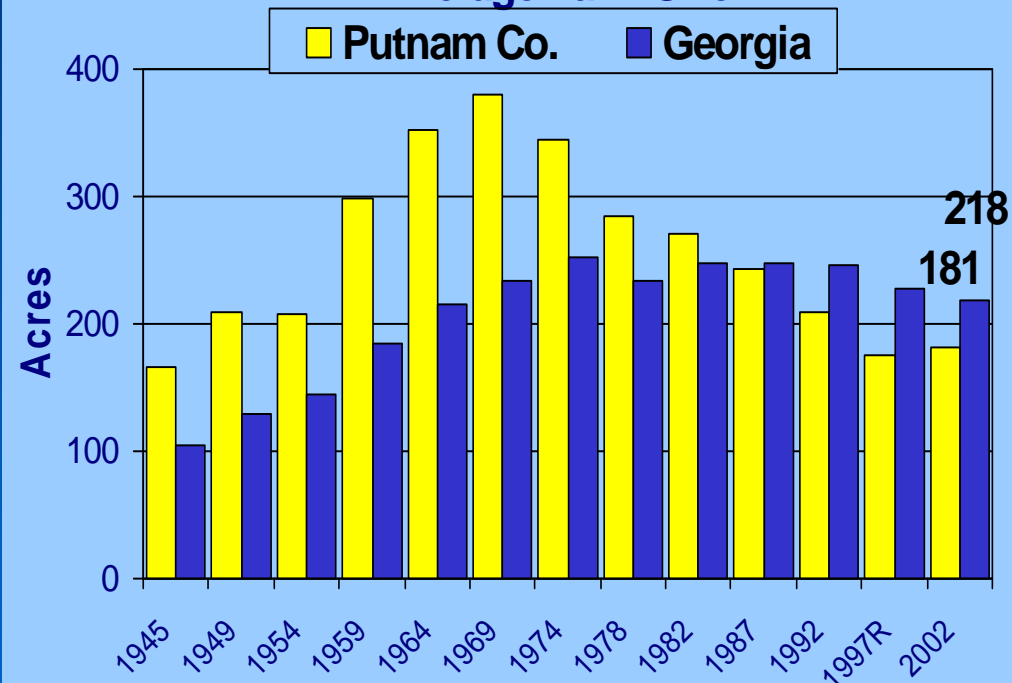
**Total AG Value = \$87.8 million**

# Trends in Putnam County: Number of Farms & Average Farm Size

Number of Farms, Putnam County

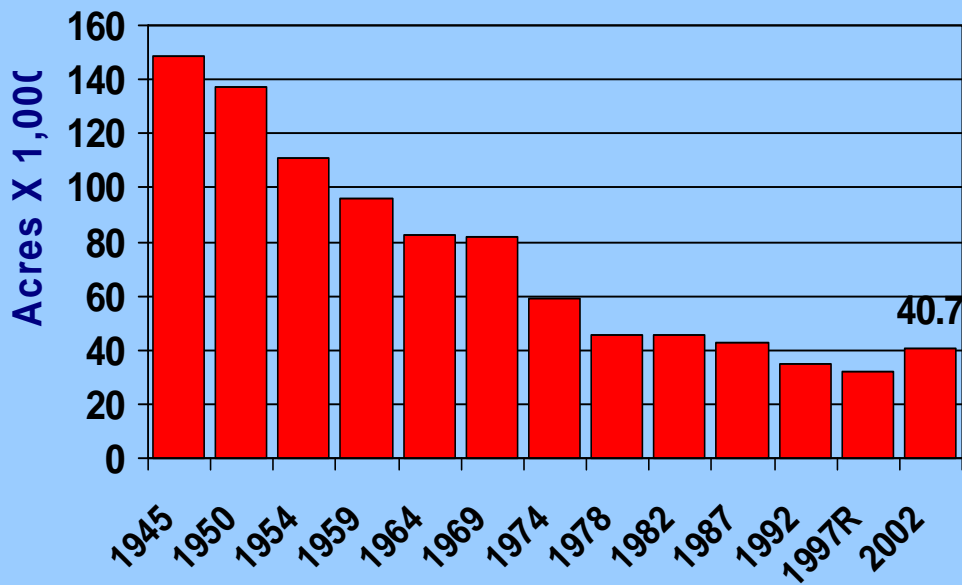


Average Farm Size

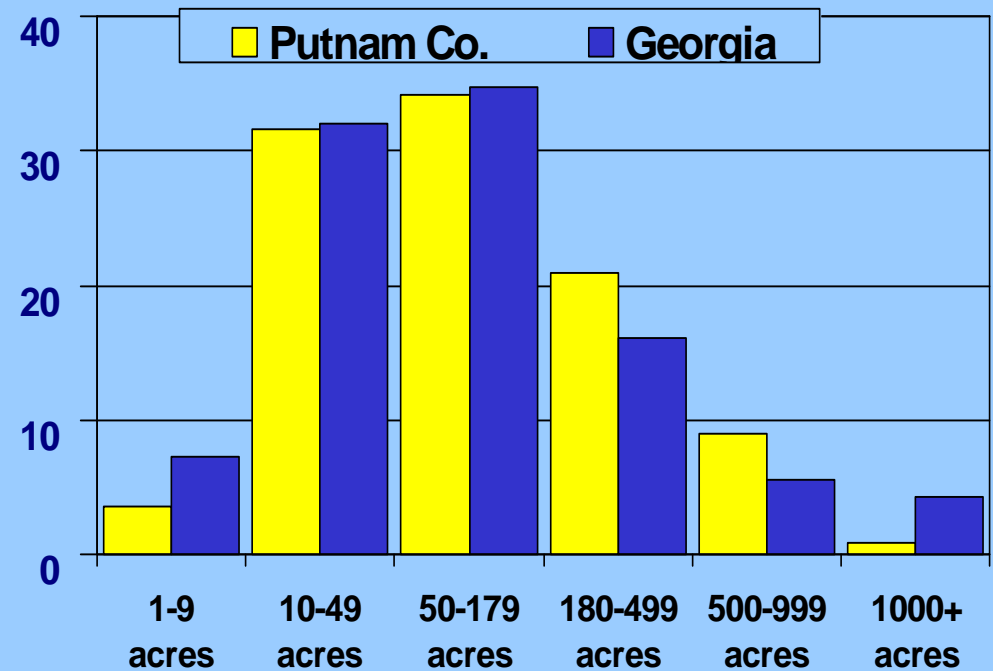


# Trends in Putnam County: Land in Farms & Farms by Size

Land in Farms  
Putnam County

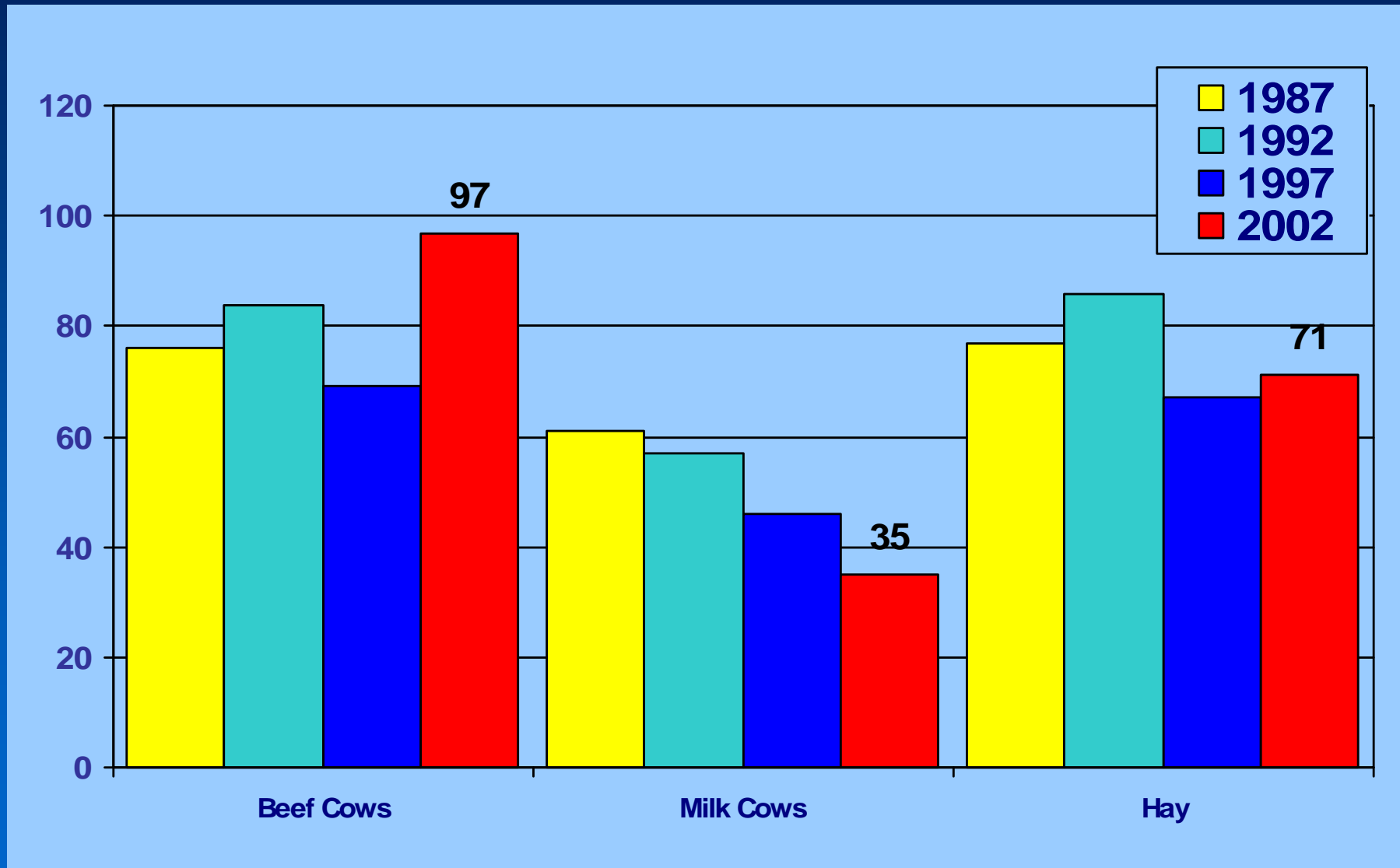


Percent of Farms by Size, 2002



# Trends in Putnam County

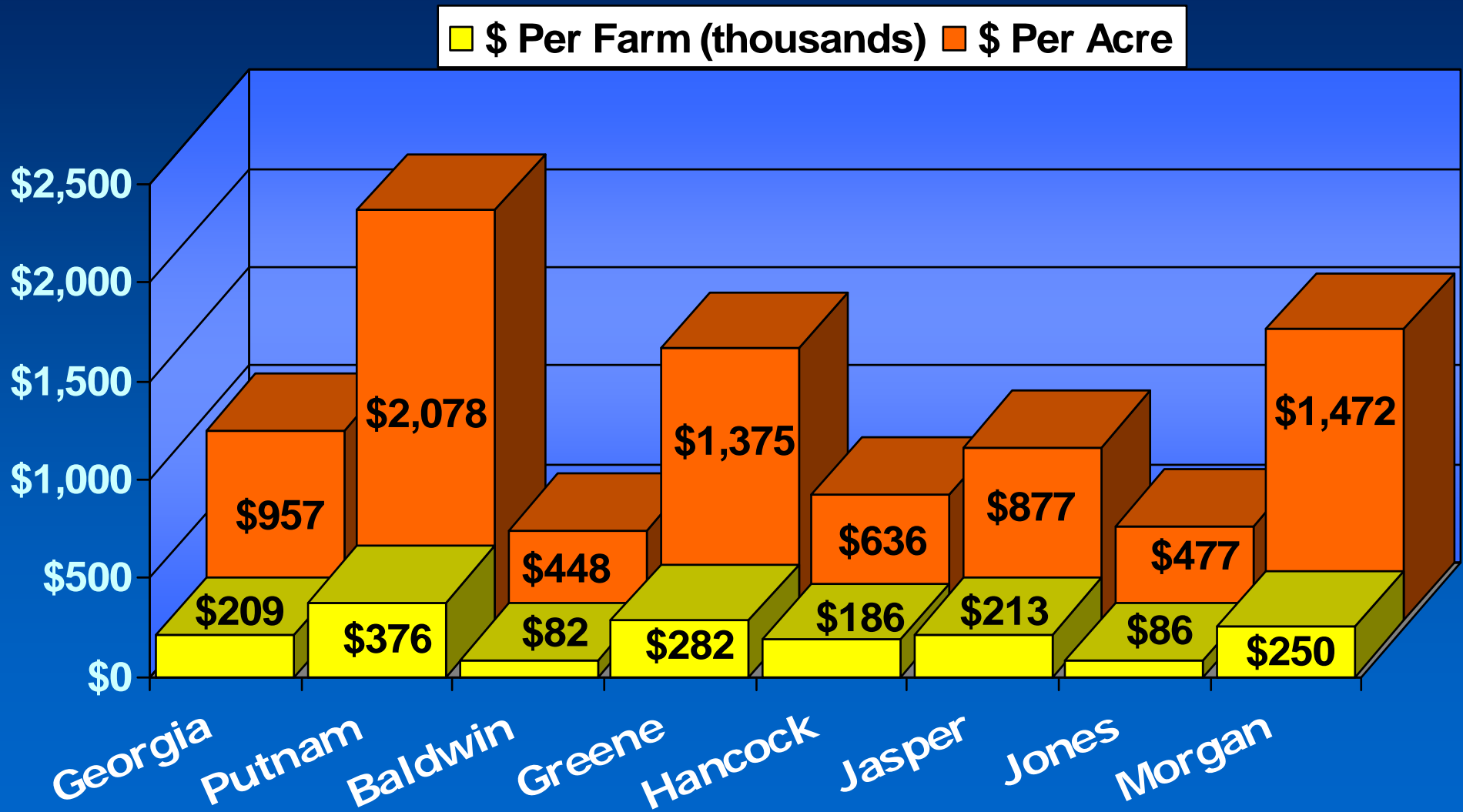
## Number of Farms by Commodity



Source: 1987-2002 (quinquennial) Censuses of Agriculture

# How Do We Compare ?

## Georgia, Putnam and Surrounding Counties Farm Gate Value



# What We Did

## County Economy Modeled

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- 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?

# Putnam County Economy

## Agriculture *OUTPUT*

	Output in \$ Millions	Percent
Agriculture	87.818	8.3
Mining	0.527	0.0
Construction	127.353	12.0
Manufacturing	259.673	24.5
Trans-Utilities-Info	96.409	9.1
Trade	140.314	13.2
Finance-Ins-RE	105.000	9.9
Services	153.458	14.5
Government	89.110	8.4

Total County Economic Output = \$1.06 billion

# Putnam County Economy

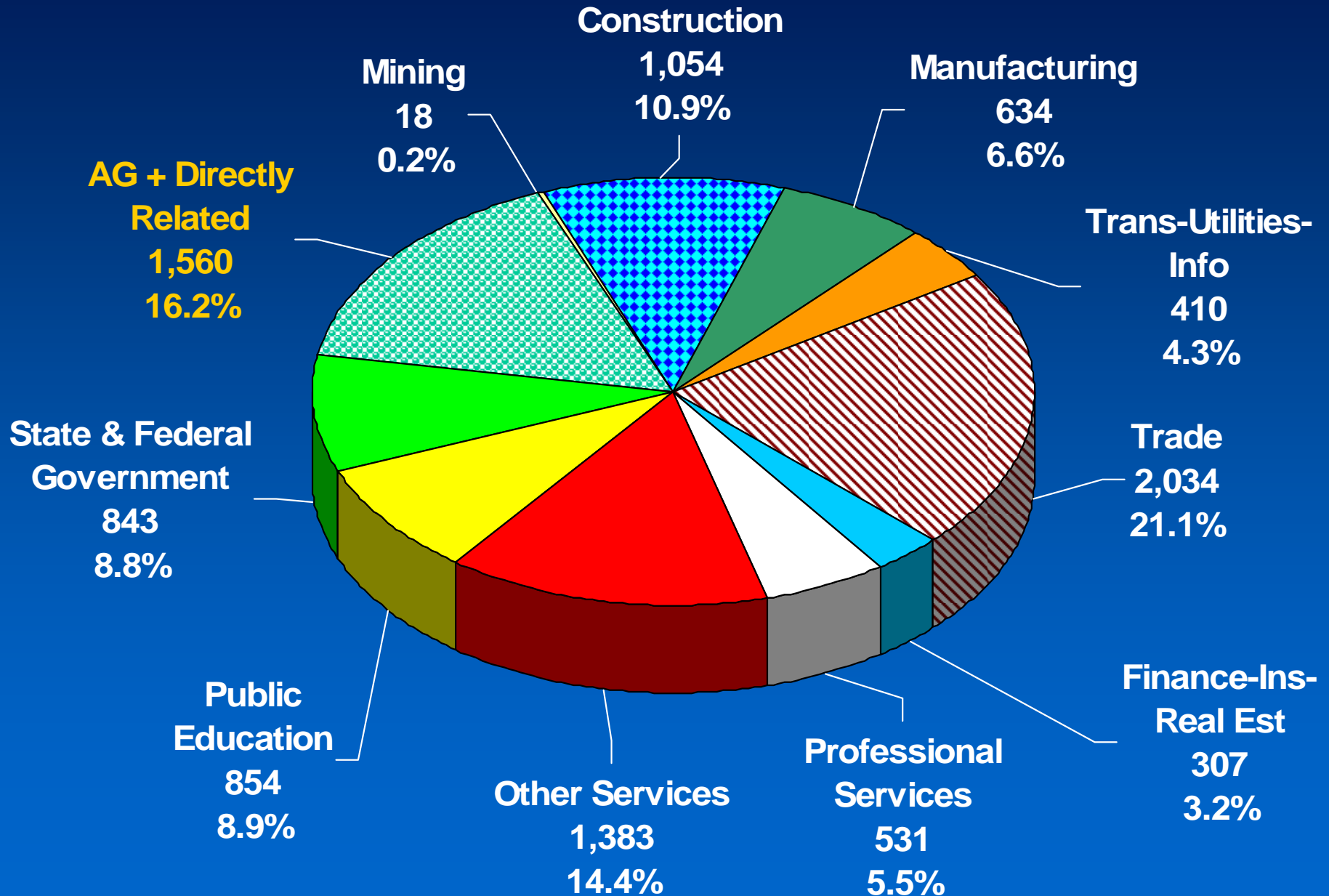
## Agriculture + Directly Related Businesses *OUTPUT*

	Output in \$ Millions	Percent
Agriculture + Direct	310.825	29.3
Mining	0.527	0.0
Construction	127.353	12.0
Manufacturing	36.665	3.5
Trans-Utilities-Info	96.409	9.1
Trade	140.314	13.2
Finance-Ins-Real Est	105.000	9.9
Services	153.458	14.5
Government	89.110	8.4

Total County Economic Output = \$1.06 billion

# Putnam County Employment

Total Jobs = 9,627

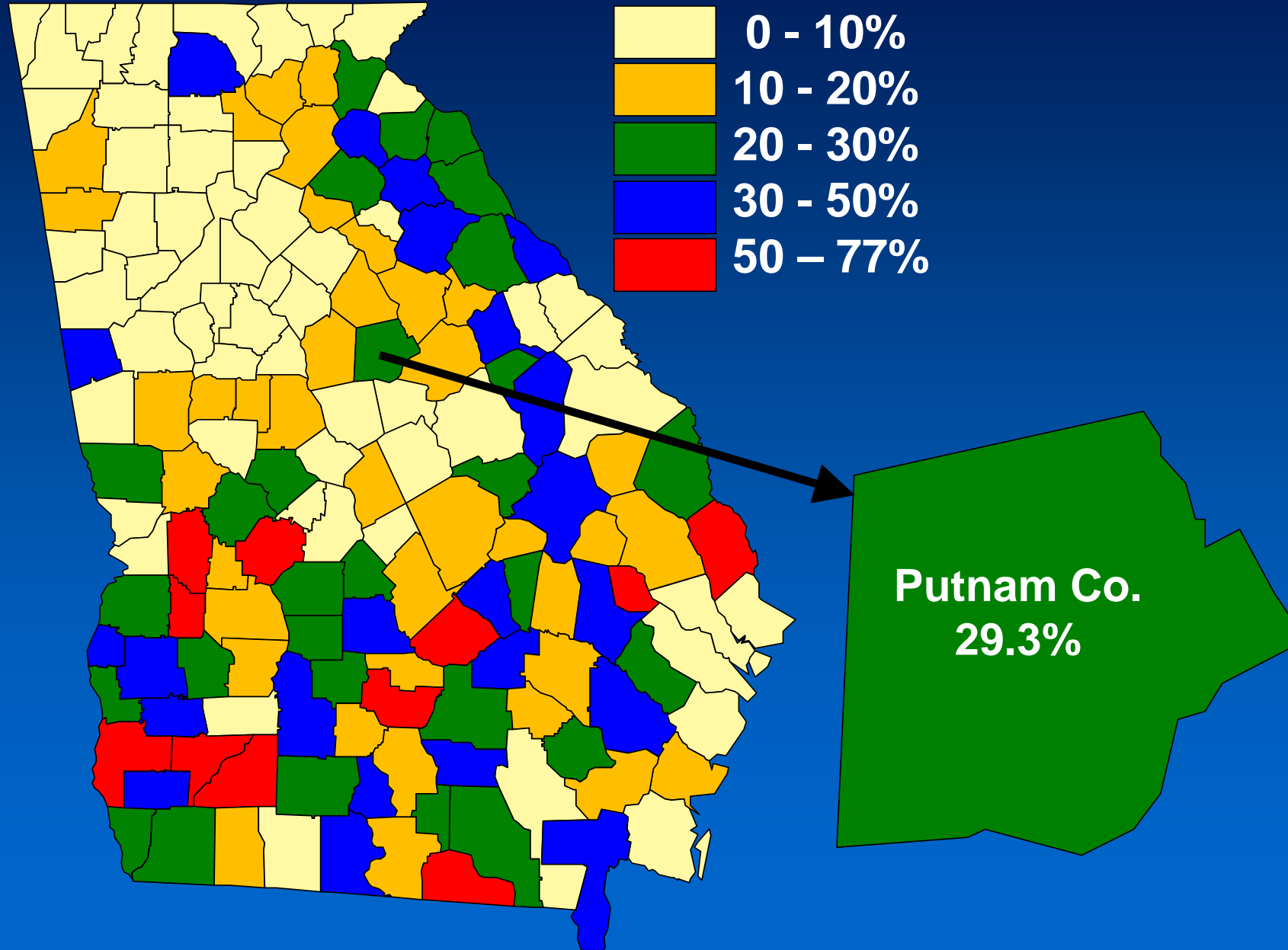


# An Economic Snapshot of Putnam County

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- How much of Putnam County's total economic output comes from food and fiber production?
- AG value alone of \$87.8 million consisting of Farm Gate Value and landscape services comprises 8.3% of the county's economy.
- AG plus directly related businesses (ex. sawmills, pesticides/chemicals, etc.) comprise 29.3% of the county's economy.

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



# What is the Impact?

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- 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.



# Putnam County

## Agriculture *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture	87.818	0
Mining	0	0.022
Construction	0	0.569
Manufacturing	0	1.509
Trans-Utilities-Info	0	4.196
Trade	0	3.514
Finance-Ins-Real Est	0	4.368
Services	0	13.236
Government	0	0.478
<b>Total</b>	<b>87.818</b>	<b>27.892</b>

Total Impact of Production AG = \$115.7 million  
10.9% of total economy

# Putnam County

## Production Agriculture + Directly Related Businesses *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture + Direct	310.825	0
Mining	0	0.051
Construction	0	1.621
Manufacturing	0	4.514
Trans-Utilities-Info	0	16.701
Trade	0	9.827
Finance-Ins-Real Est	0	14.031
Services	0	36.634
Government	0	1.502
Total	310.825	84.880

**Total Impact of AG + Directly Related = \$395.7 million  
37.3% of total economy**

# Putnam County

## Production Agriculture + Directly Related Industries Employment *IMPACT*

	<b>Direct</b>	<b>Indirect</b>
Agriculture + Direct	<b>1,560</b>	<b>0</b>
Construction	<b>0</b>	<b>22</b>
Manufacturing	<b>0</b>	<b>10</b>
Trans-Utilities-Info	<b>0</b>	<b>97</b>
Trade	<b>0</b>	<b>124</b>
Finance-Ins-Real Est	<b>0</b>	<b>68</b>
Services	<b>0</b>	<b>515</b>
Government	<b>0</b>	<b>8</b>

**Total Impact of AG + Directly Related Employment = 2,404 Jobs  
25.0% of total employment**

# What These Numbers Mean: A Brief Explanation

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- *Direct* impact is \$310.8 million. This includes food and fiber production, processing and directly related manufacturing.
- *Indirect* impact from the Trade sector is \$9.8 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)

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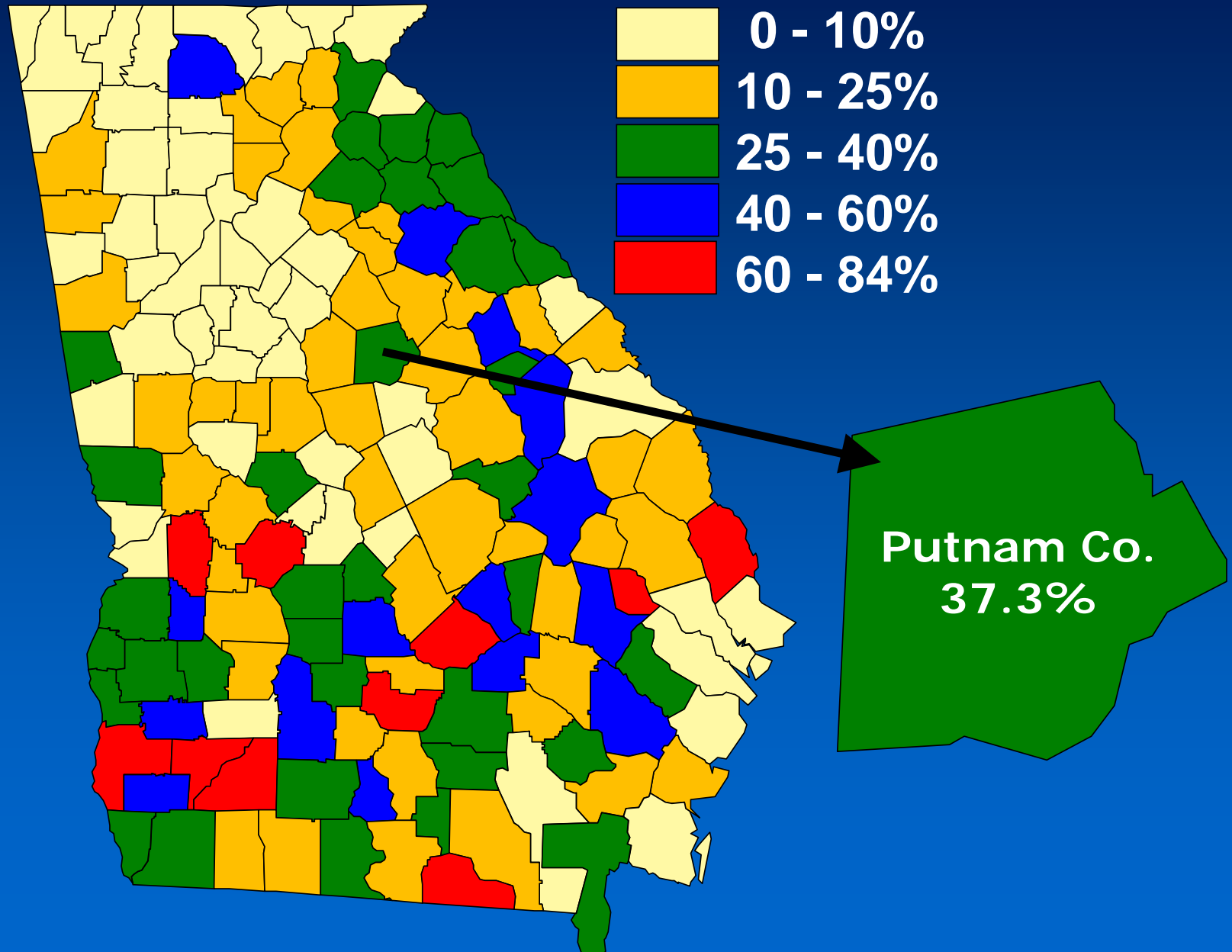
- As local stores increase their output, they may demand more stock from local wholesalers (also in the Trade sector). Local wholesalers demand more from local manufacturers, thus increasing activity in the Manufacturing sector.
- Local stores also hire employees to assist farmers. They take home wages and buy groceries at the local store which increases demand there.

# Putnam County Food and Fiber Impact Conclusions

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- The total *impact* of food and fiber production, processing and direct manufacturing is \$395.7 million.
- The total county *output* is \$1.06 billion.
- Thus, food and fiber (directly and indirectly) account for 37.3% 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**

**#09-01A**

**January, 2009**

