



The Economic Importance of Food and Fiber

A Spotlight on Putnam County, Georgia

**Prepared for:
Putnam County Cooperative Extension
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by:

**The Center for Agribusiness
and Economic Development**

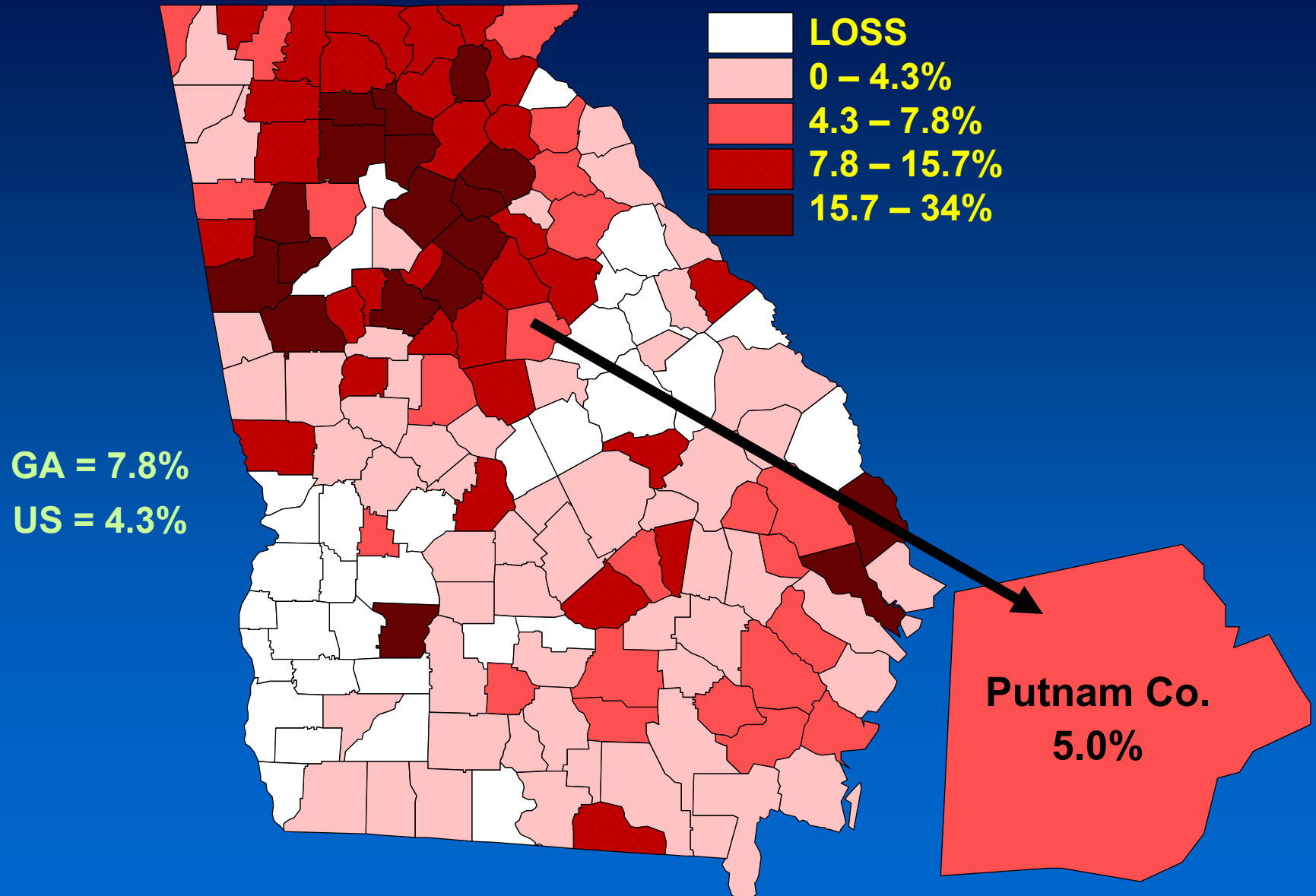
**College of Agricultural and Environmental Sciences
The University of Georgia**

Total Population Putnam County



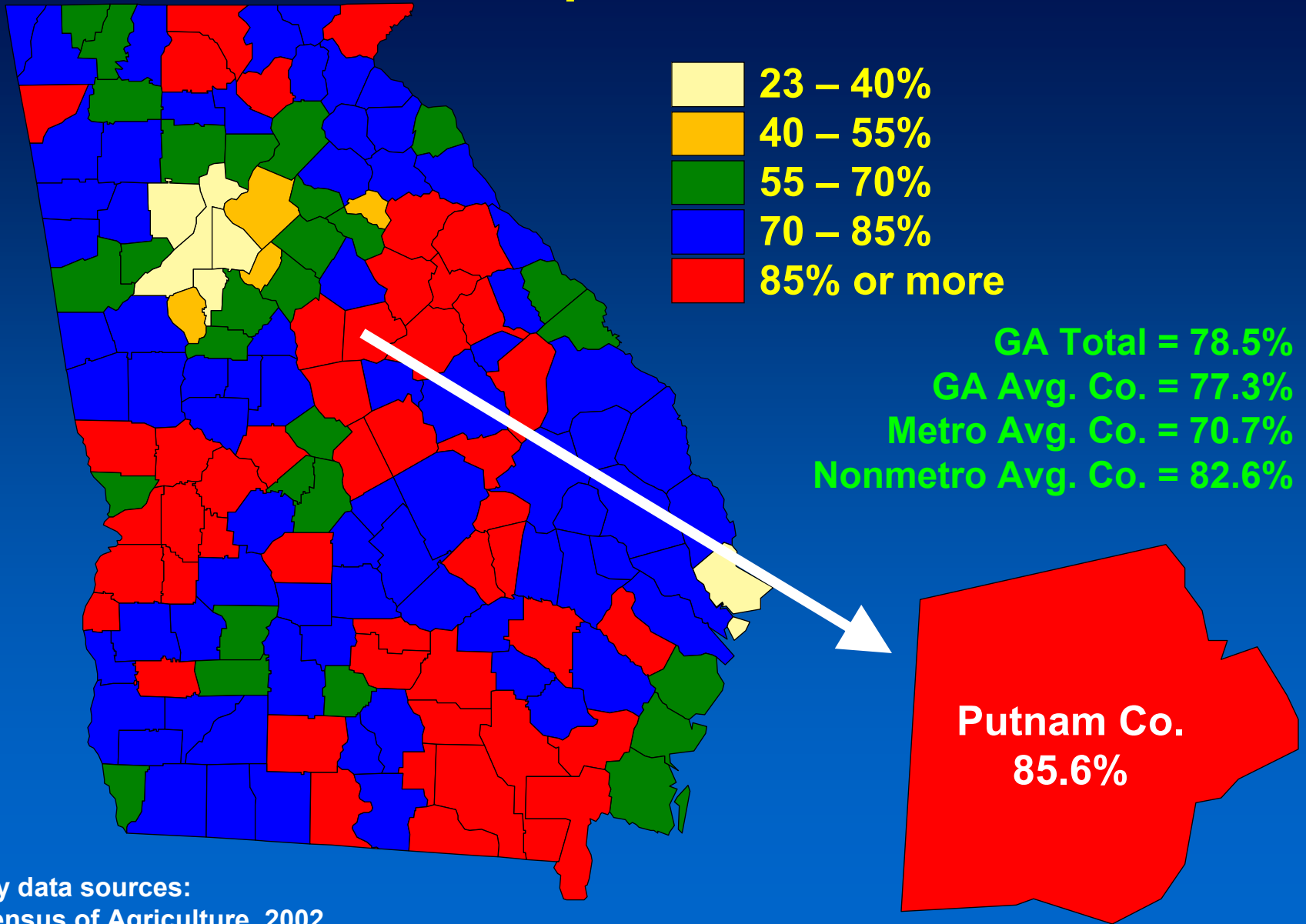
Primary data sources: U.S. Census Bureau, decennial censuses & estimate; CAED (Center for Agribusiness & Economic Development); OPB (State Office of Planning & Budget).

Population Change: 2000-2004



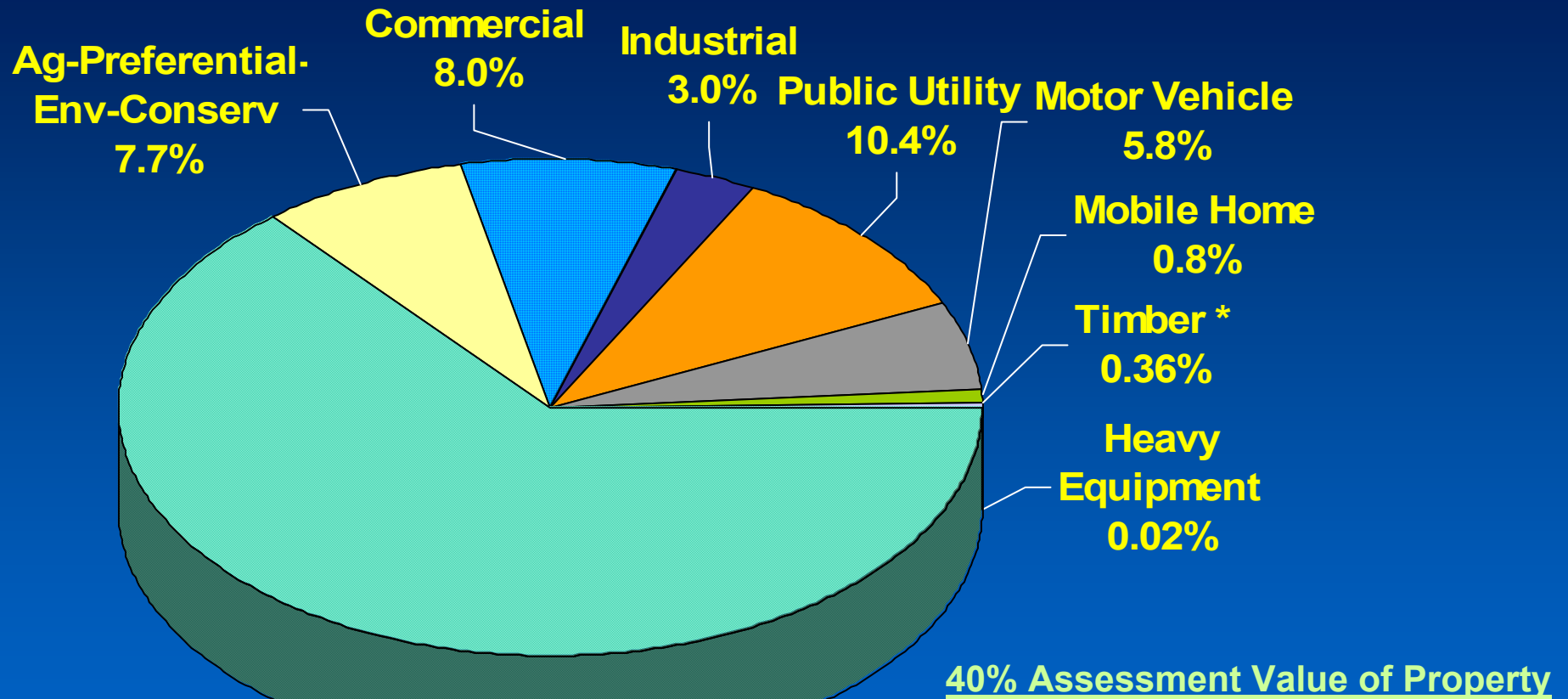
Primary data source: U.S. Census Bureau

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 Putnam County



Gross Digest = \$998,822,537

STATE Homestead & Property Exemptions = \$51,059,087

Net M&O Digest = \$947,763,450

Value of Exempt Property = \$33,300,473

Primary data source:
GA Dept. of Revenue

* Timber taxed at 100% based on previous year sales

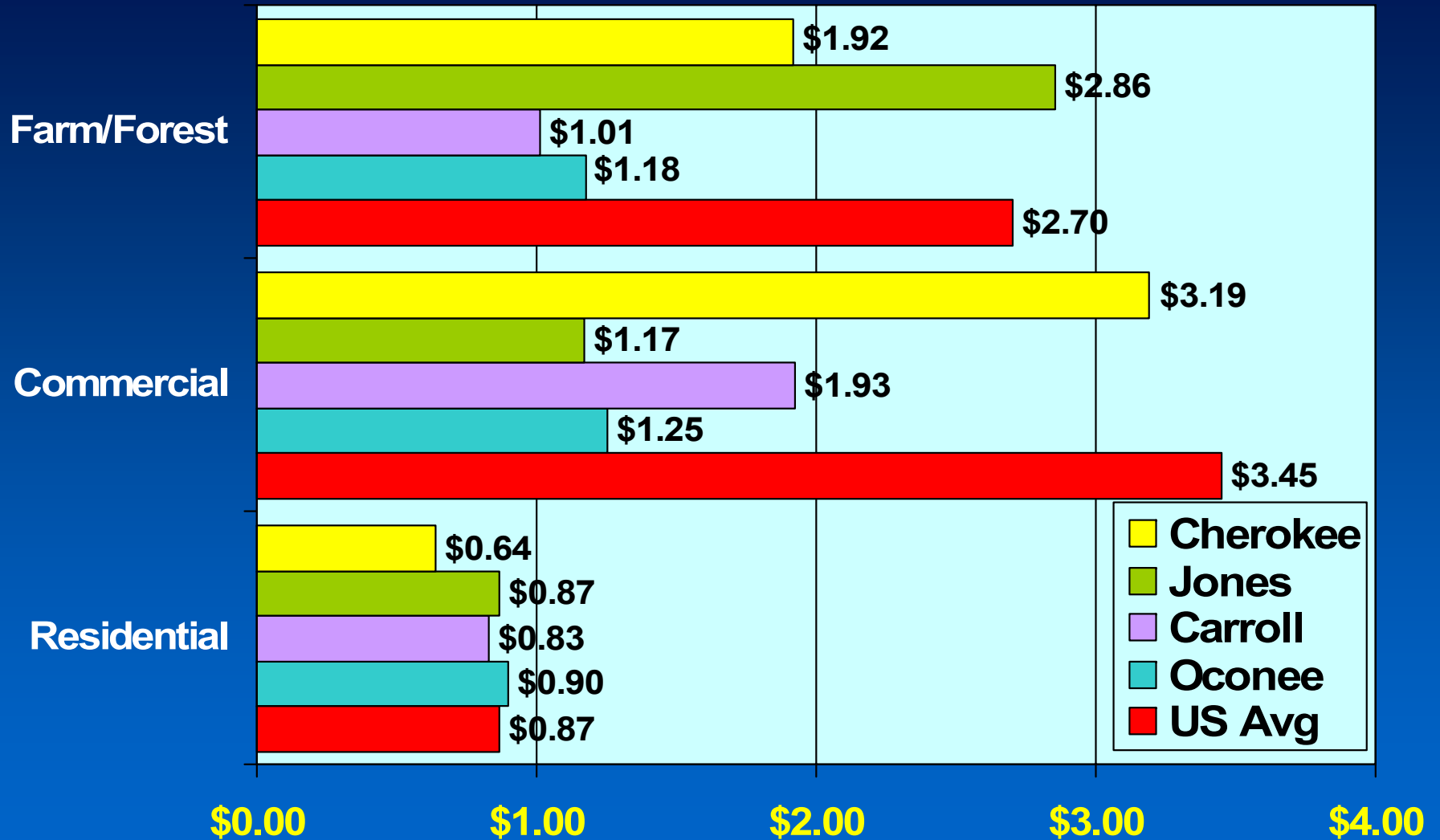
County Property Tax Digest Comparisons: 2004

County	% Residential	% Agricultural	% Commercial	% Industrial	% Motor Vehicle	% Other
PUTNAM	64.0	7.7	8.0	3.0	5.8	11.5
BALDWIN	52.0	7.9	17.3	5.7	9.4	7.6
GREENE	65.7	15.4	8.1	3.5	4.1	3.2
HANCOCK	37.0	35.2	3.4	0.0	4.5	19.9
JASPER	35.6	41.4	3.8	4.4	6.2	8.6
JONES	53.7	14.1	9.2	2.3	11.8	8.8
MORGAN	29.3	47.9	8.7	5.8	5.6	2.8
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

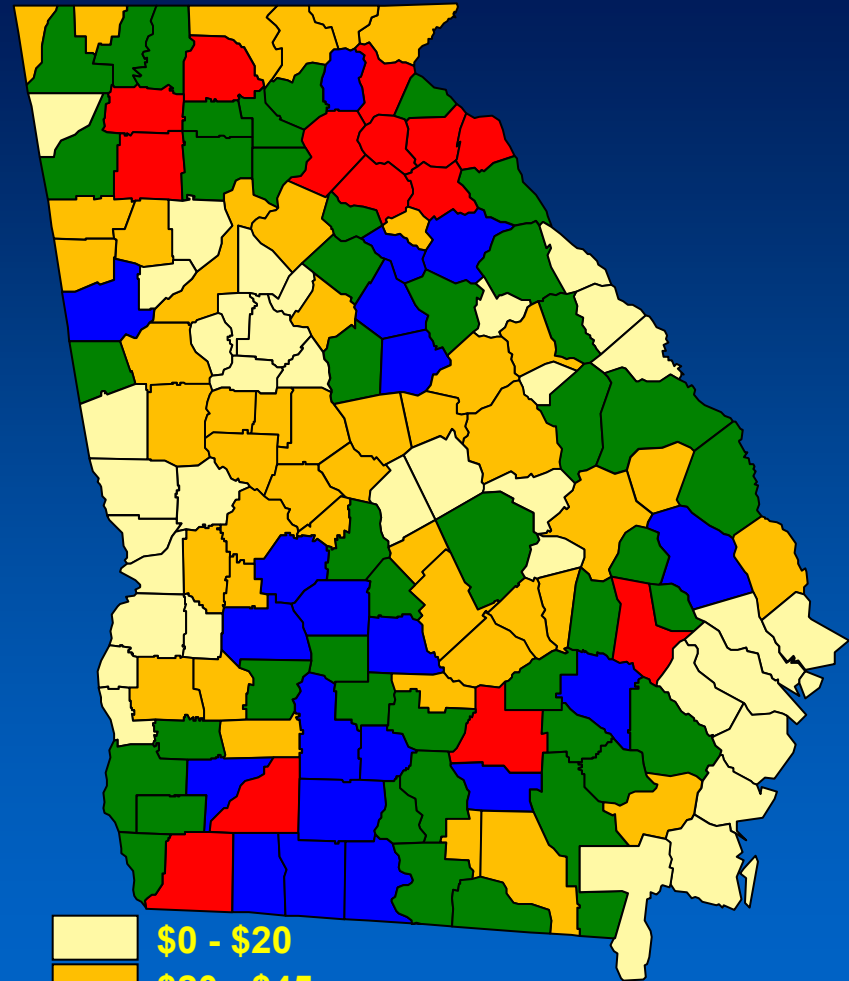
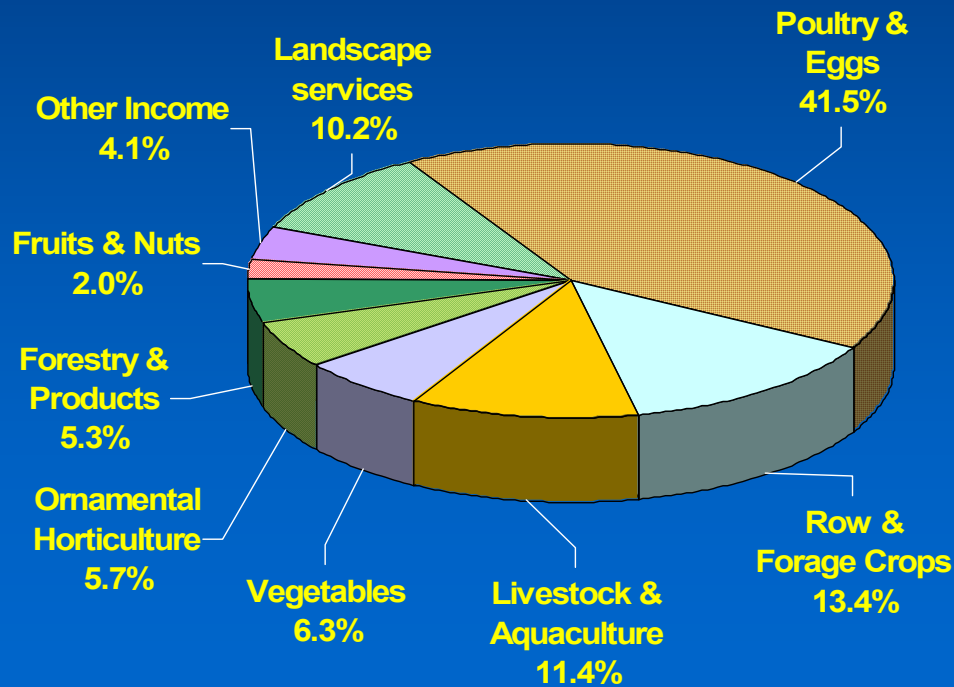


Agriculture in Georgia

- 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



2004 Farm Gate
Value by County
in Millions of Dollars

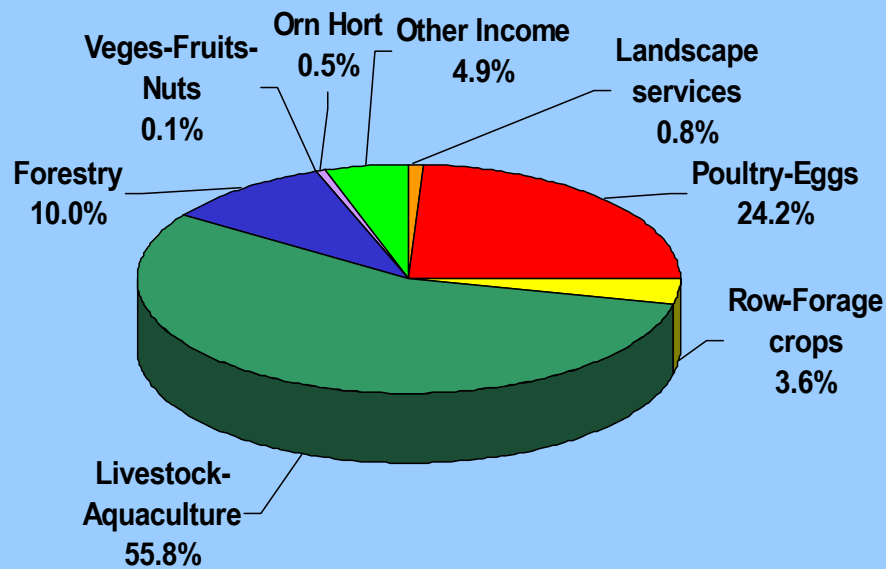
What We Know about Putnam County

- **2004 Farm Gate Value in Putnam Co. was \$88.8 million. Adding \$747 thousand of landscape services increased the total agricultural production value to \$89.6 million.**
- **The highest value commodity group was livestock/aquaculture, representing 55.8% of the total agricultural production value.**

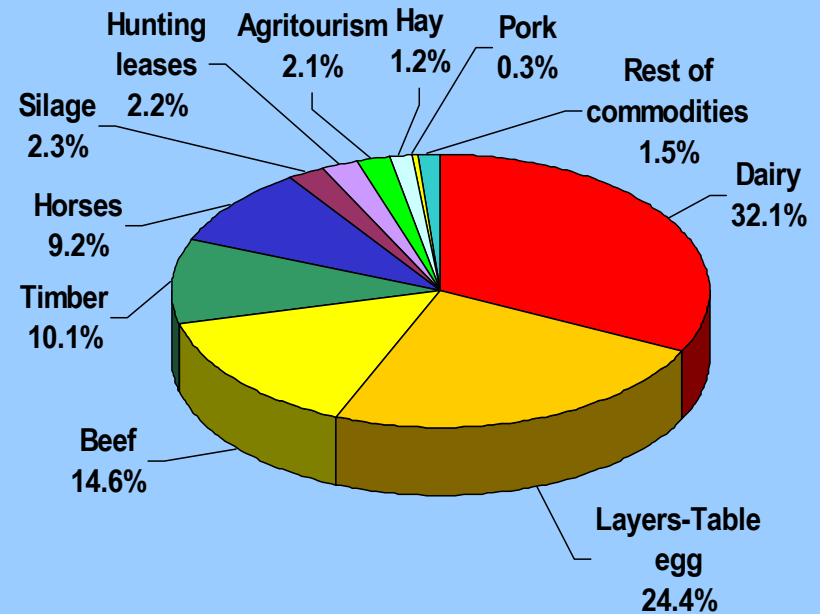
Putnam County

2004 Agricultural Production Value

2004 Agricultural Production



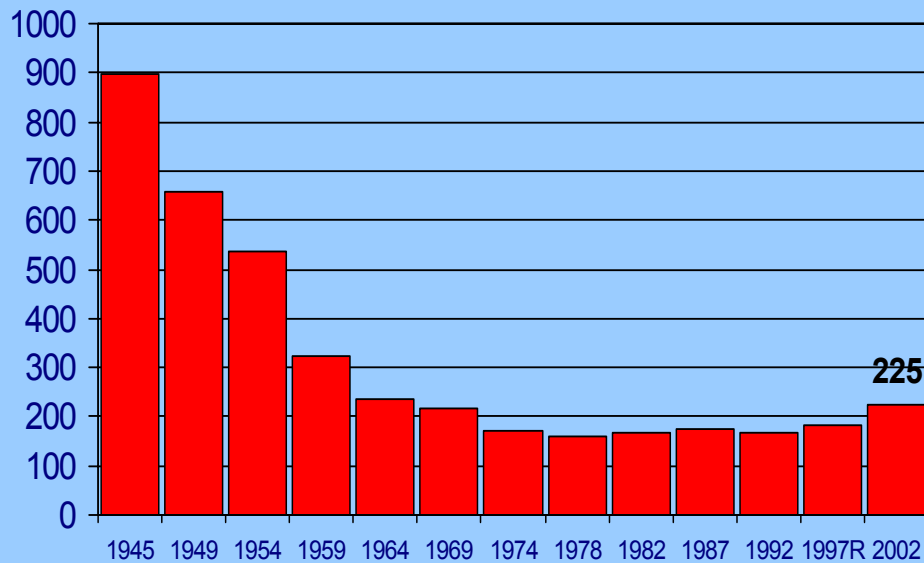
2004 Top Farm Gate Commodities



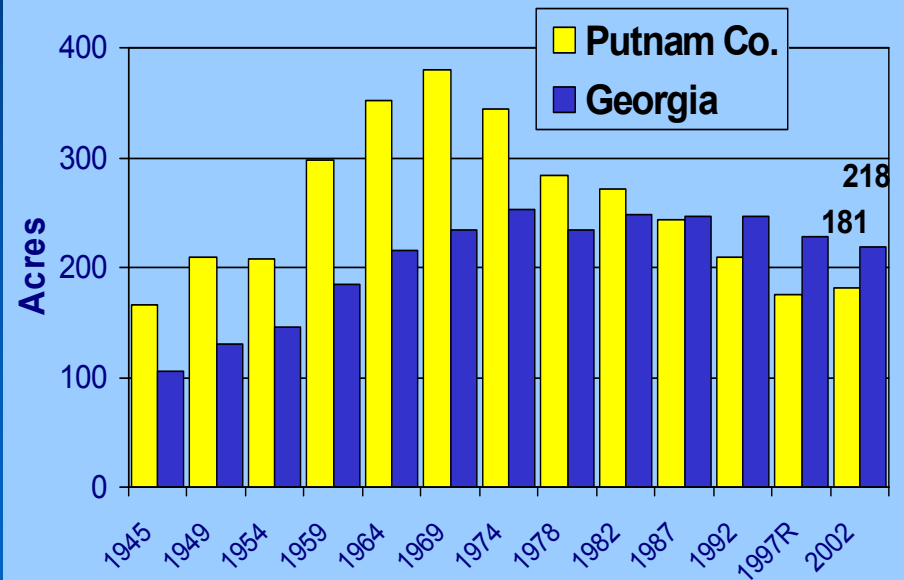
Total AG Value = \$89.6 million

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

Number of Farms, Putnam County



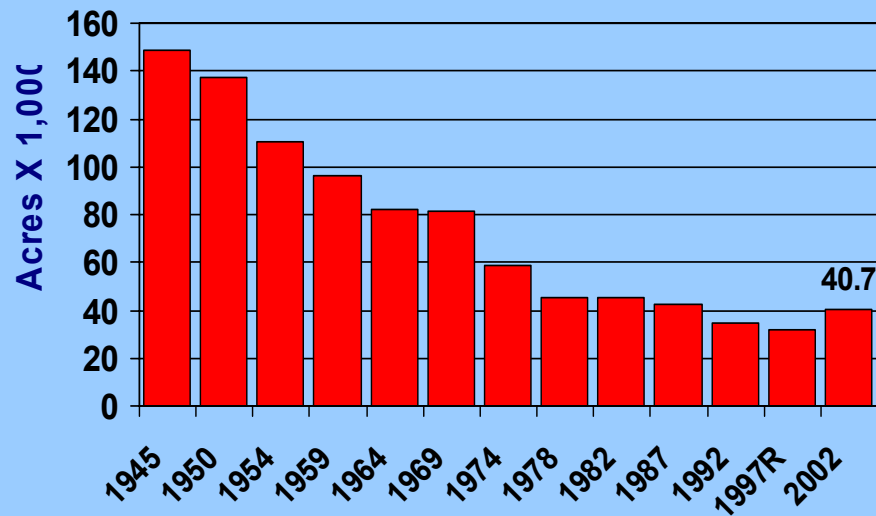
Average Farm Size



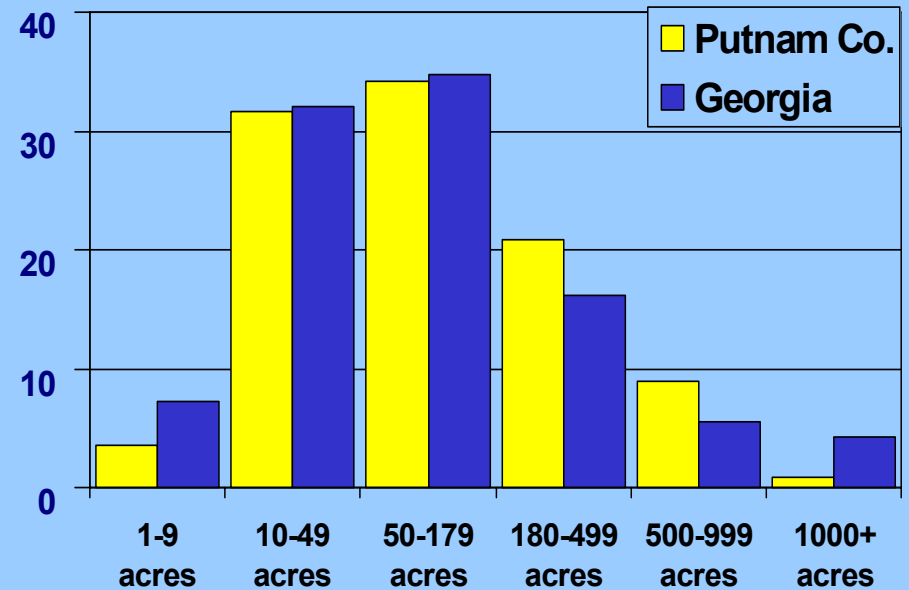
Source: 1945 2002 (quinquennial) Censuses of Agriculture

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

Land in Farms
Putnam County



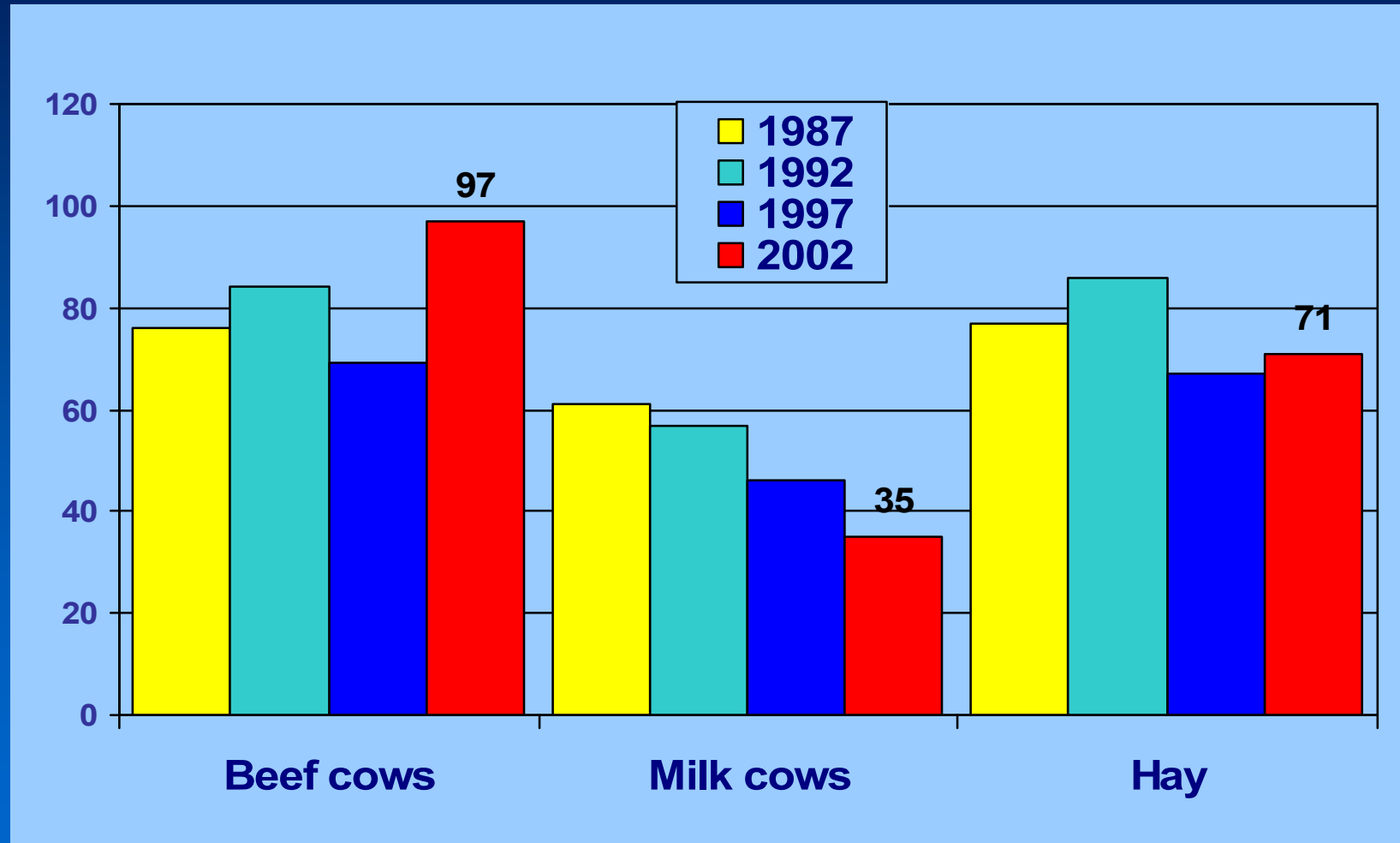
Percent of Farms by Size, 2002



Source: 1945 2002 (quinquennial) Censuses of Agriculture

Trends in Putnam County

Number of Farms by Commodity

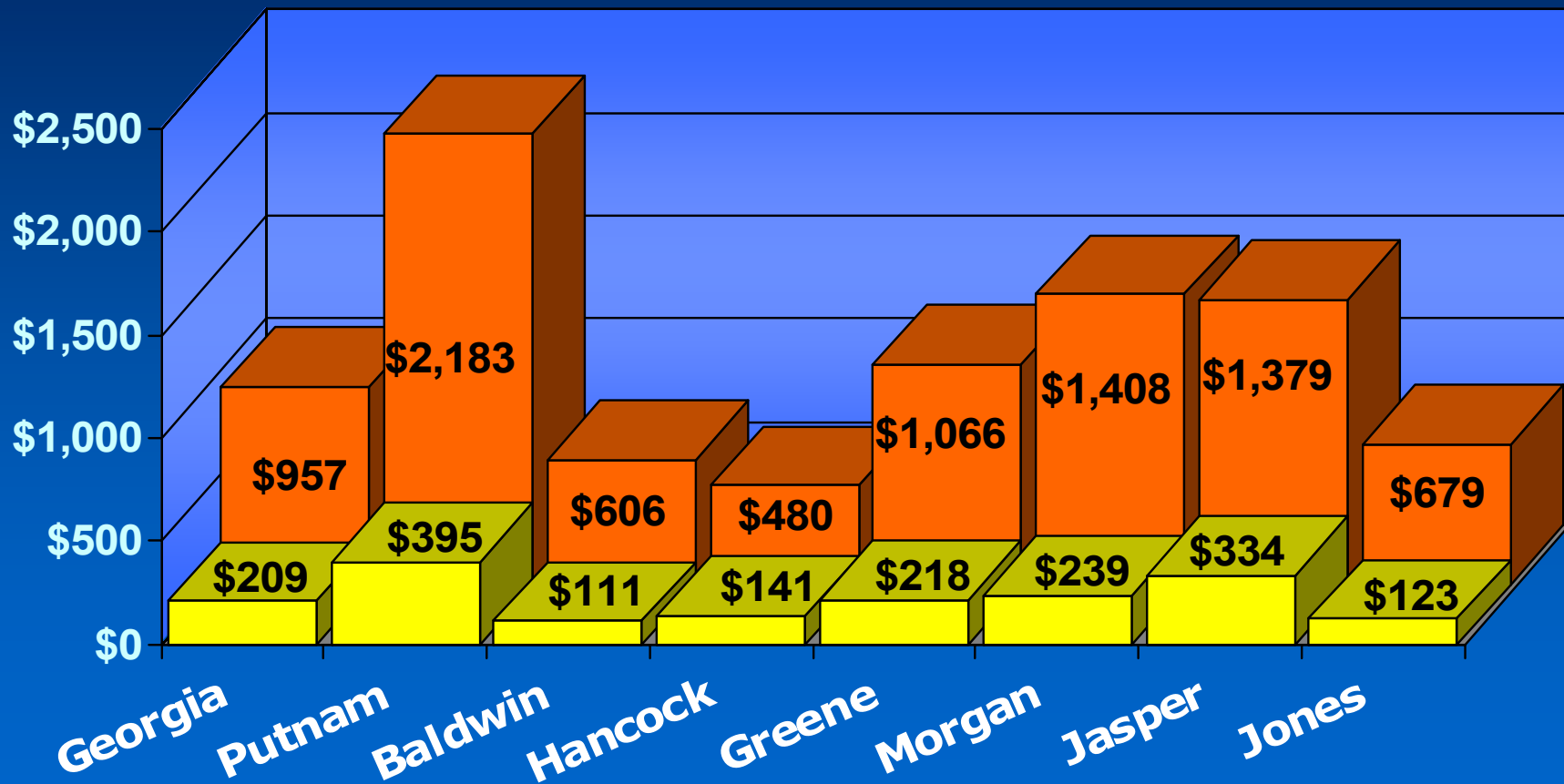


Source: 1987 2002 (quinquennial) Censuses of Agriculture

How Do We Compare ?

Georgia, Putnam and Surrounding Counties Farm Gate Value

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



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?

Putnam County Economy

Agriculture *OUTPUT*

	Output in \$ Millions	Percent
Agriculture	94.201	12.5
Construction	64.743	8.6
Manufacturing	167.327	22.2
Trans-Utilities-Info	125.987	16.7
Trade	74.241	9.9
Finance-Ins-RE	44.096	5.9
Services	89.762	11.9
Government	93.004	12.3

Total County Economic Output = \$753.4 million

Putnam County Economy

Agriculture + Directly Related Businesses *OUTPUT*

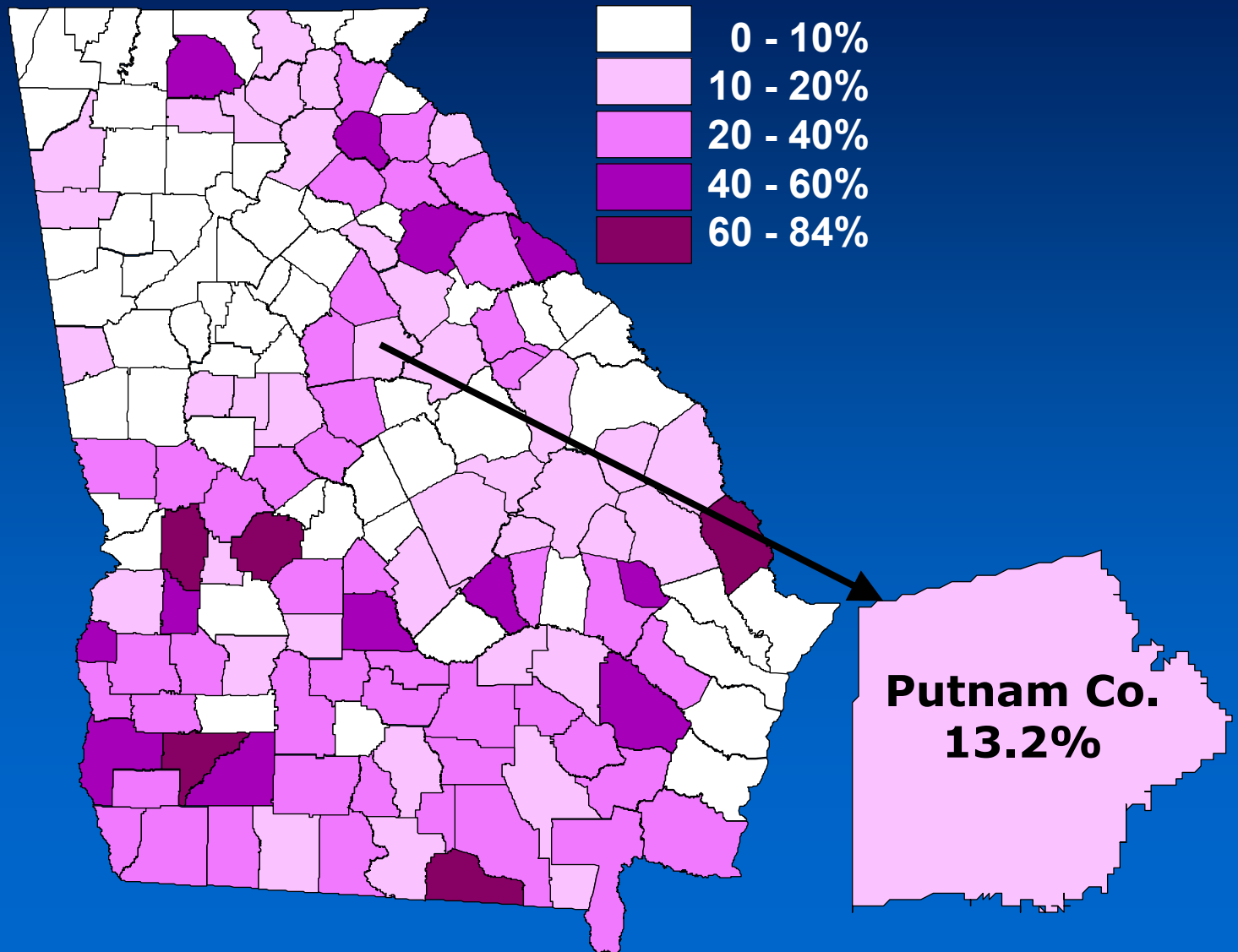
	Output in \$ Millions	Percent
<i>Agriculture + Direct</i>	99.488	13.2
Construction	64.743	8.6
Manufacturing	162.041	21.5
Trans-Utilities-Info	125.987	16.7
Trade	74.241	9.9
Finance-Ins-RE	44.096	5.9
Services	89.762	11.9
Government	93.004	12.3

Total County Economic Output = \$753.4 million

An Economic Snapshot of Putnam County

- **How much of Putnam County's total economic output comes from food and fiber production?**
- **AG value alone of \$94.2 million, consisting of Farm Gate Value and landscape services, comprises 12.5% of the county's economy.**
- **AG plus directly related businesses (ex. logging, sawmills, etc.) comprise 13.2% of the county's economy.**

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

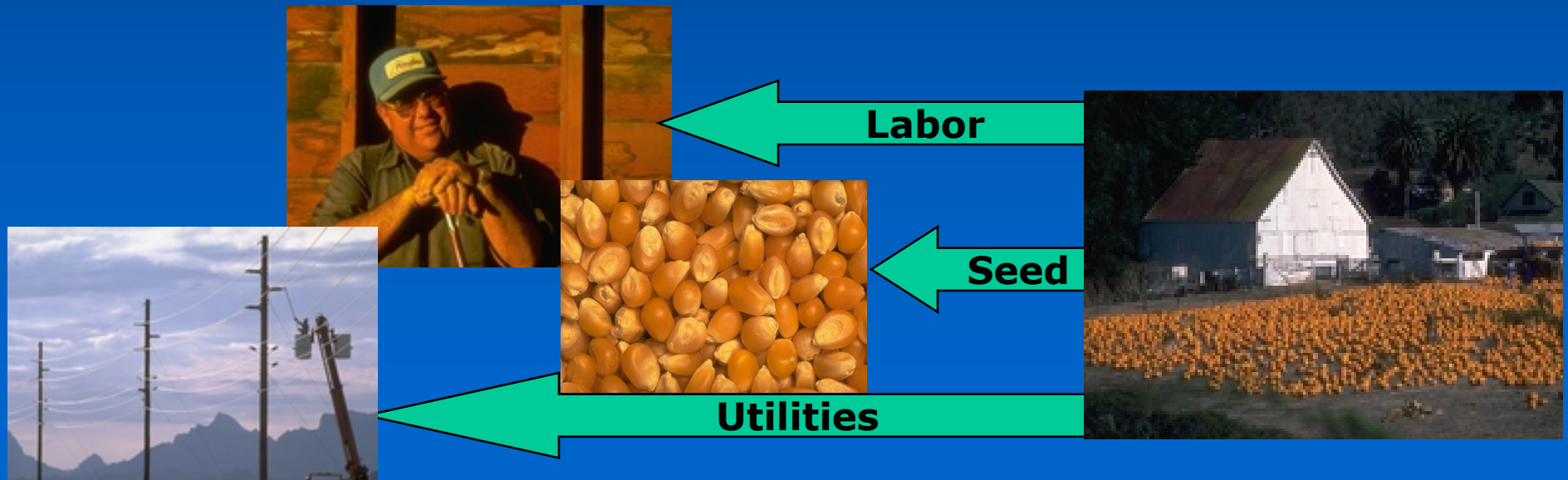


What is the Impact?

- 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.



Putnam County

Production Agriculture *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture	89.520	13.058
Construction	0	0.713
Manufacturing	0	0.496
Trans-Utilities-Info	0	7.317
Trade	0	6.676
Finance-Ins-RE	0	6.924
Services	0	4.692
Government	0	3.554
Total	89.520	43.431

Total Impact of Production AG = \$133 million
7.6% of total economy

Putnam County

Agriculture and Directly Related Businesses *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture + Direct	99.488	16.317
Construction	0	0.738
Manufacturing	0	0.676
Trans-Utilities-Info	0	7.840
Trade	0	7.359
Finance-Ins-RE	0	7.224
Services	0	5.054
Government	0	3.874
Total	99.488	16.317

**Total Impact of AG + Directly Related = \$148.6 million
19.7% of total economy**

Putnam County

Production Agriculture + Directly Related Industries Employment *IMPACT*

	Direct	Indirect
Agriculture + Direct	1,087	176
Construction	0	9
Manufacturing	0	5
Trans-Utilities-Info	0	49
Trade	0	159
Finance-Ins-RE	0	37
Services	0	94
Government	0	8

Total Impact of AG + Directly Related Employment = 1,625 Jobs

What These Numbers Mean: A Brief Explanation

- ***Direct*** impact is \$99.5 million. This includes food and fiber production, processing and directly related manufacturing.
- ***Indirect*** impact from the Trade sector is \$7.4 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:

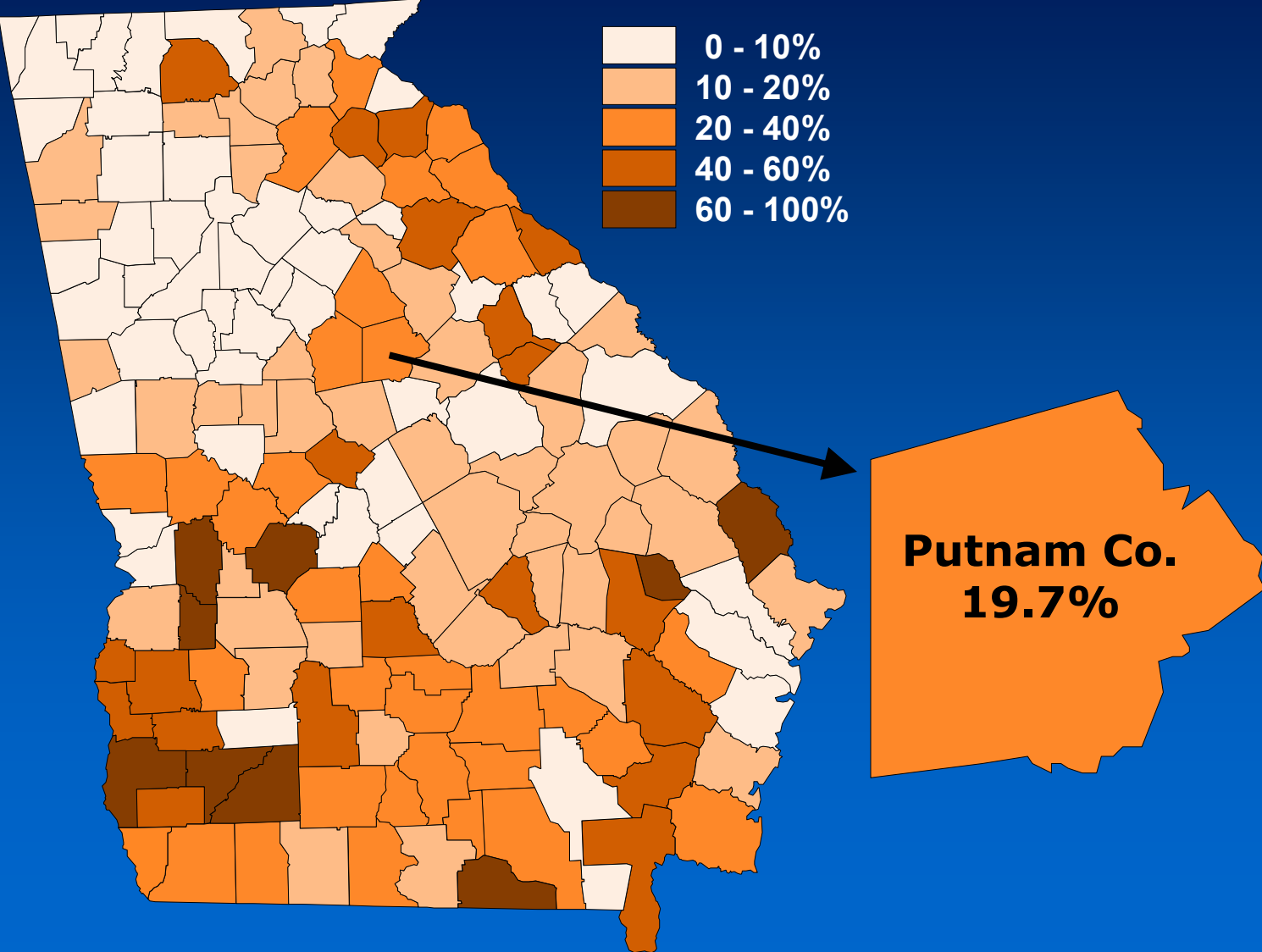
A Brief Explanation (continued)

- **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.**

Putnam County Food and Fiber Impact Conclusions

- The total *impact* of food and fiber production, processing and direct manufacturing is \$148.6 million.
- The total *output* is \$753.4 million.
- Thus, food and fiber (directly and indirectly) account for 19.7% of the total output.

Food and Fiber Production, Processing and Direct 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
#06-05A
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