

# The Economic Importance of Food and Fiber

## A Spotlight on Candler County, Georgia

Prepared for  
Candler County Cooperative Extension  
October, 2010

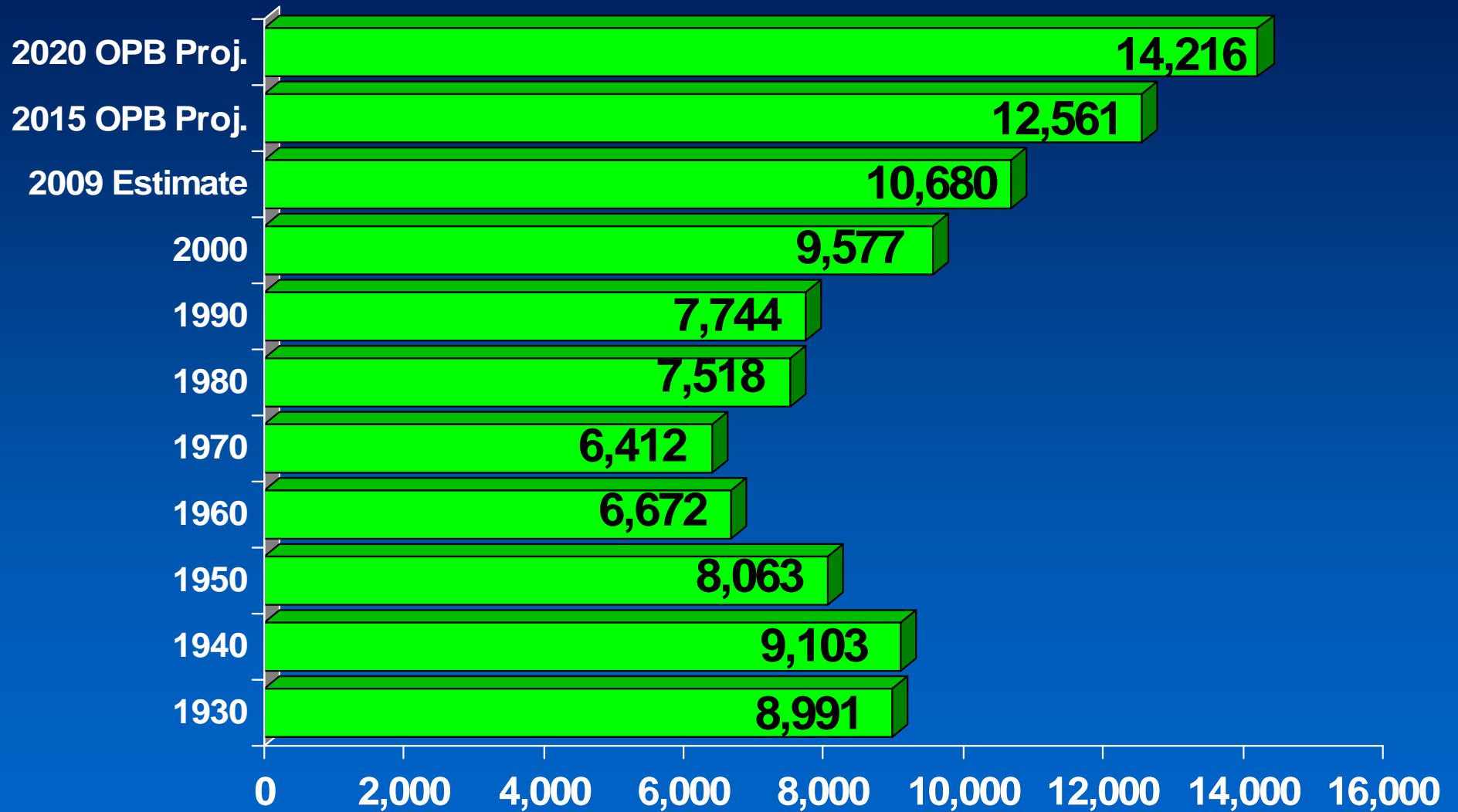
by:

The Center for Agribusiness  
and Economic Development

College of Agricultural  
and Environmental Sciences

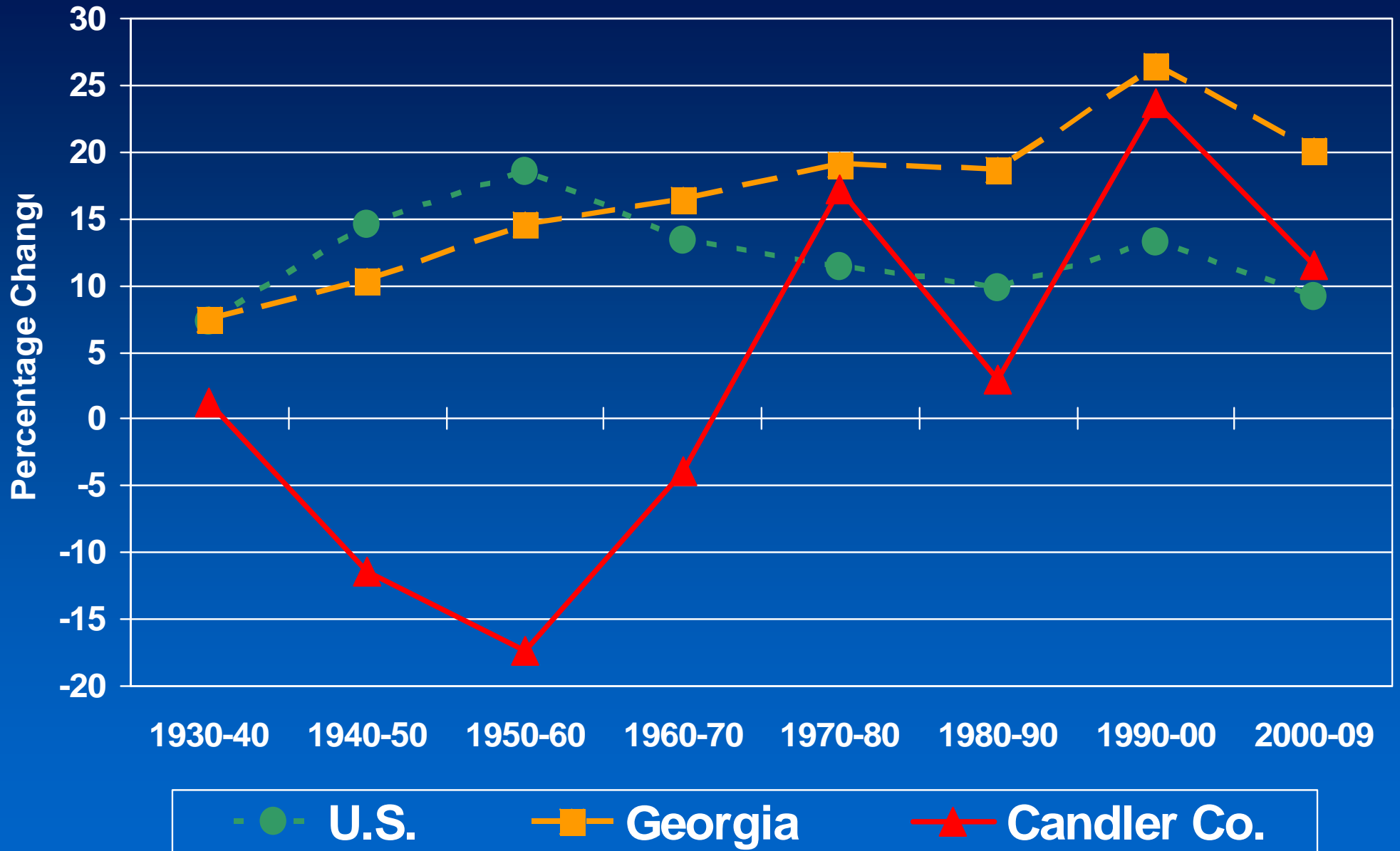
The University of Georgia

# Total Population Candler County



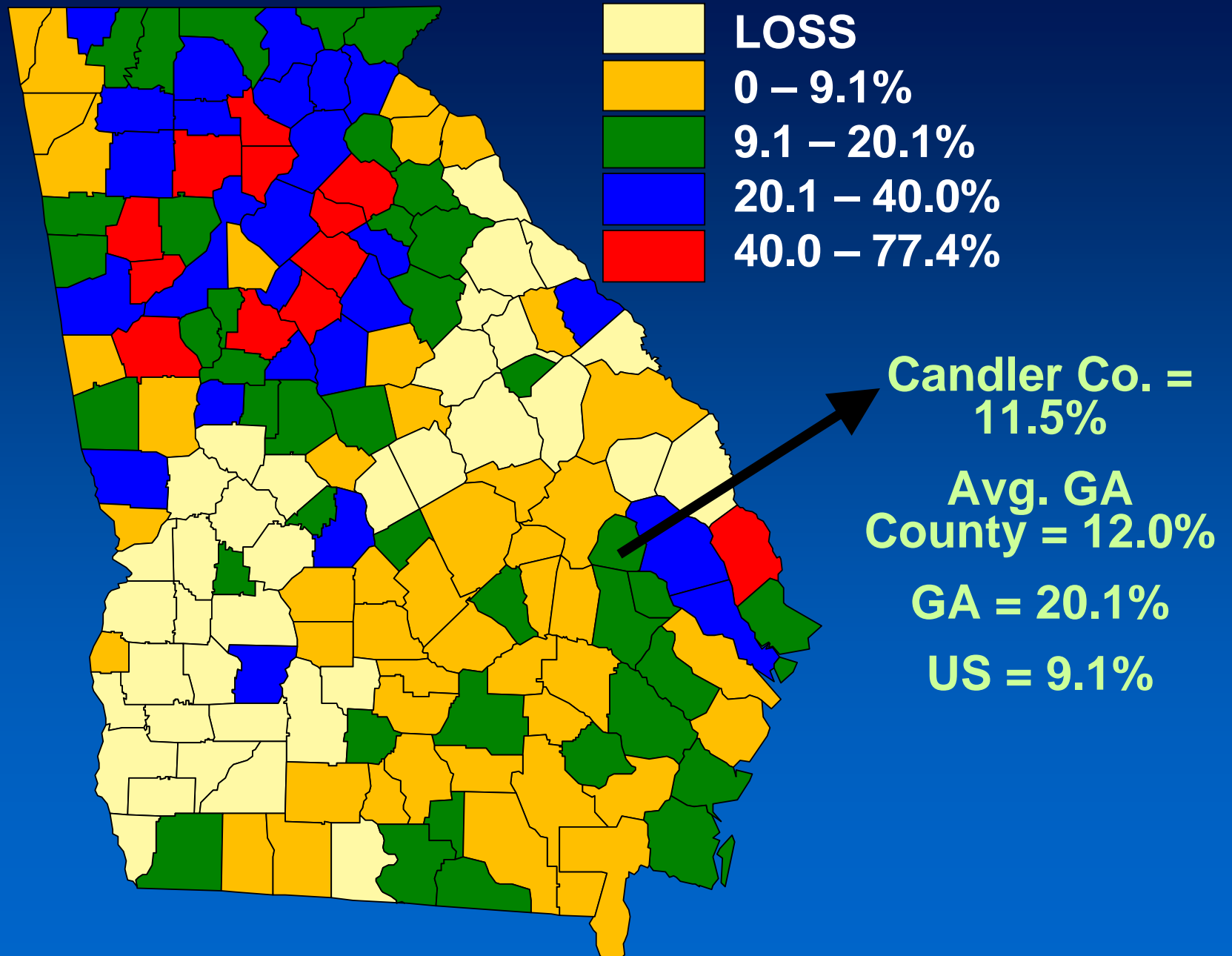
Primary data sources: U.S. Census Bureau, decennial censuses & estimate; GA Office of Planning & Budget projections.

# Population Change: 1930-2009

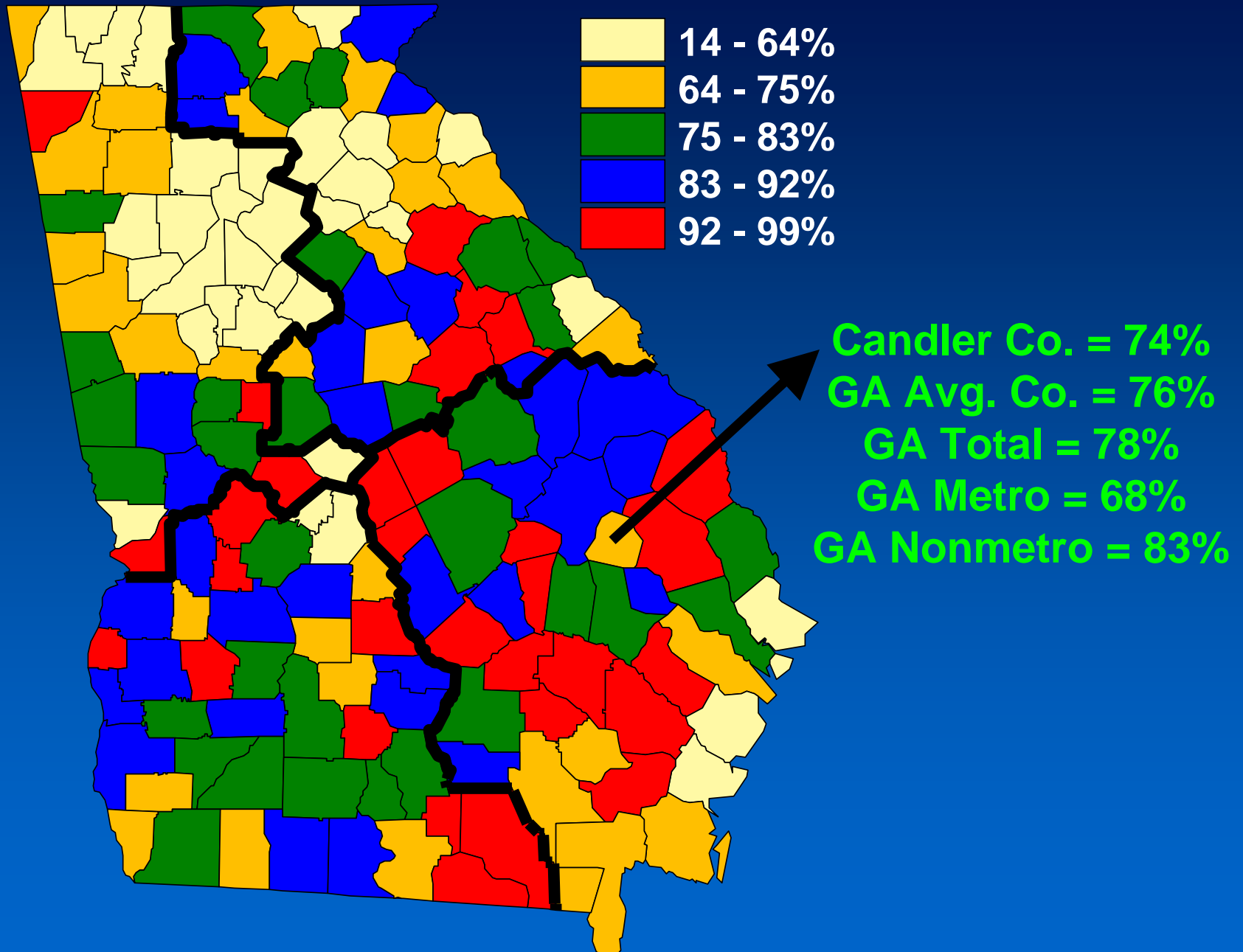


Primary data source: U.S. Census Bureau

# Population Change: 2000-2009



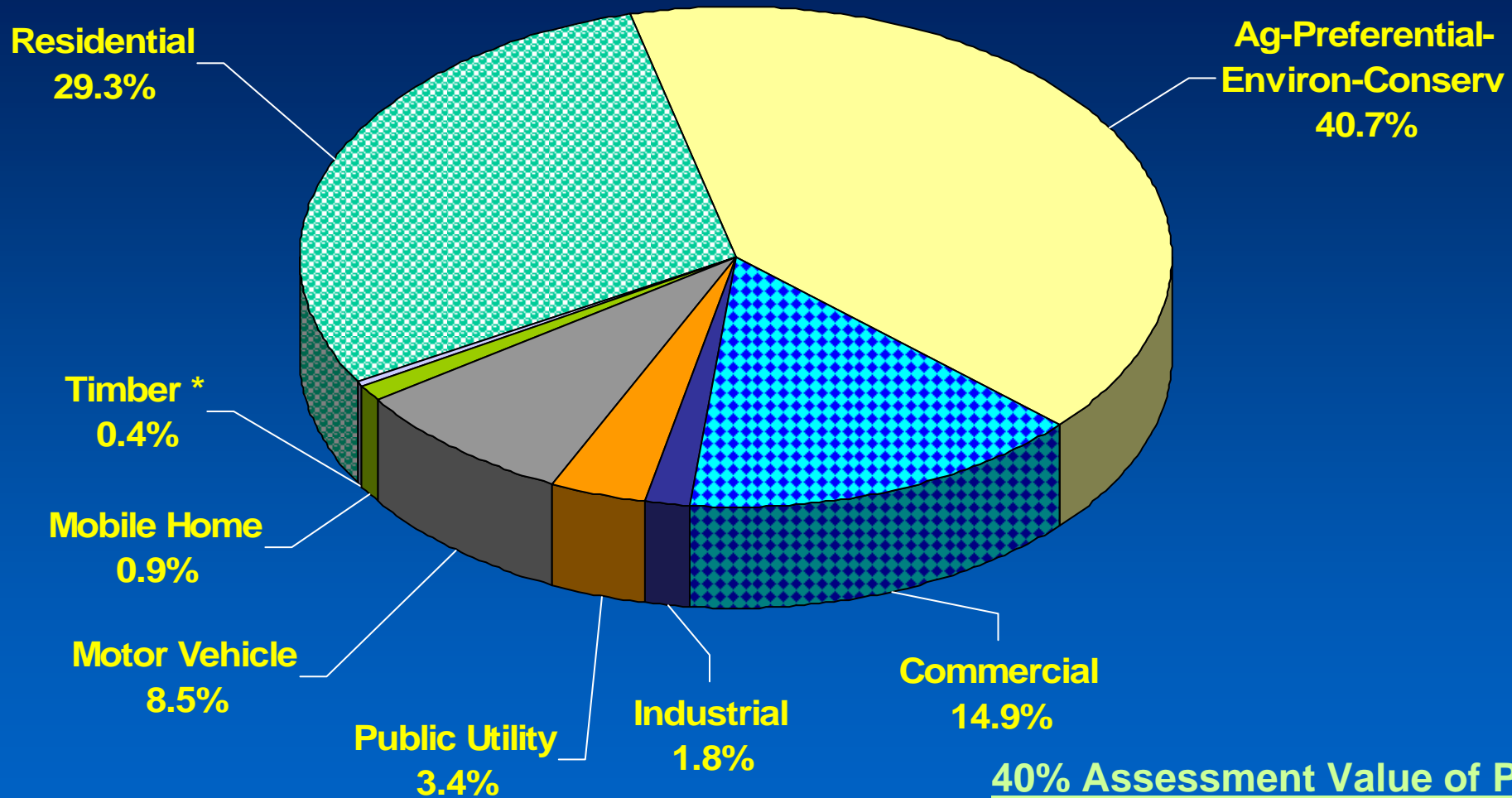
# % of Land in Cropland & Timberland



Primary data sources:  
U.S. Census of Agriculture, 2007  
USDA Forest Service, 2007

Graphic by Center for Agribusiness  
& Economic Development, UGA

# Components of 2009 Property Tax Gross Digest Candler County



40% Assessment Value of Property

Gross Digest = \$293,080,563

Homestead & Property Exemptions = \$52,858,949

Net M&O Digest = \$240,221,614

Value of exempt property = \$32,314,265

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

# County Property Tax Digest Comparisons: 2009

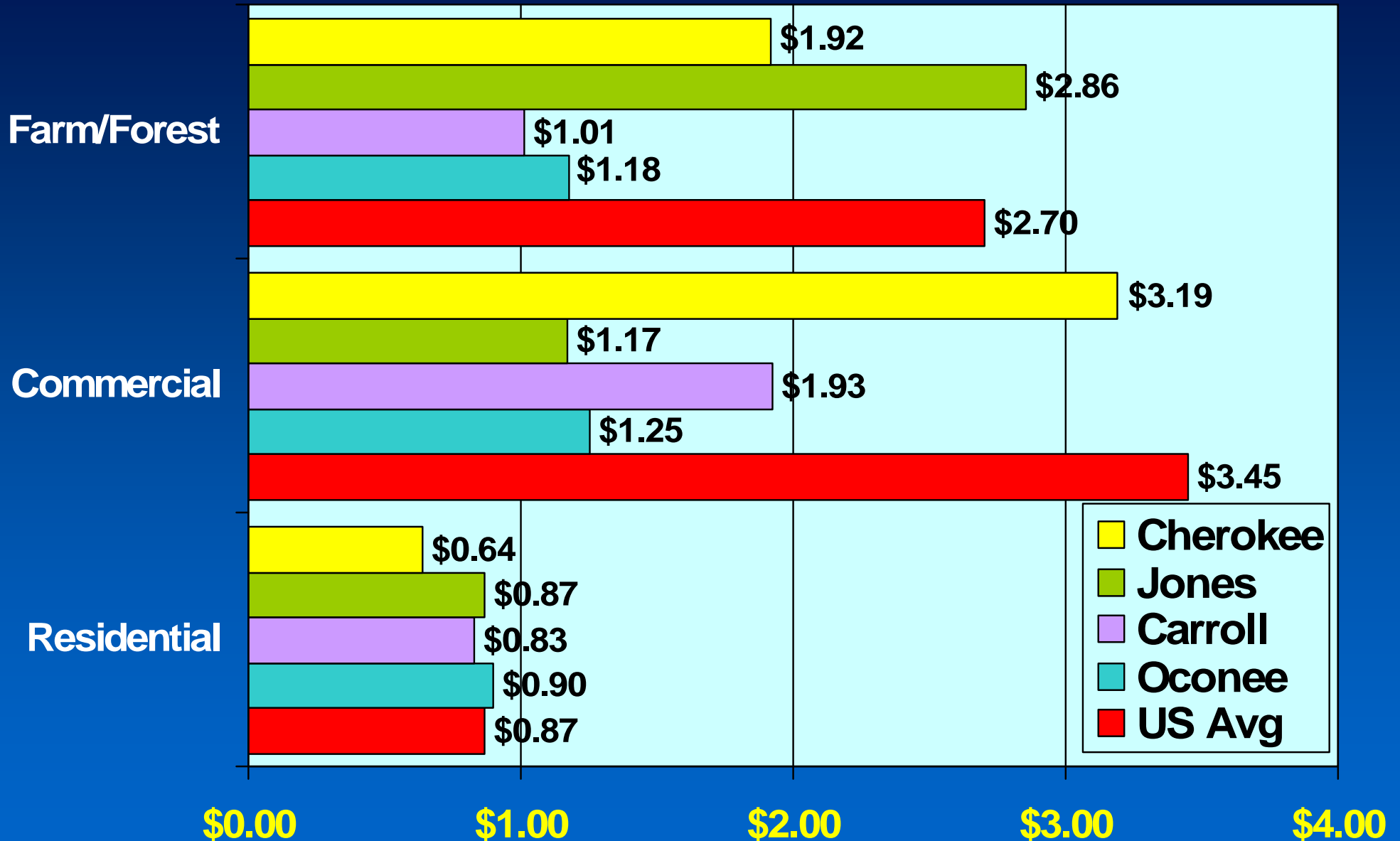
County	% Residential	% Agricultural	% Commercial	% Industrial	% Utility	% Motor Veh	% Mobile Home	% Timber
CANDLER	29.3	40.7	14.9	1.8	3.4	8.5	0.9	0.4
BULLOCH	43.2	13.0	23.1	10.2	2.4	7.0	1.0	0.2
EVANS	41.1	21.8	13.6	8.3	2.6	10.9	1.1	0.7
TATTNALL	38.8	31.4	10.2	2.8	4.7	9.1	1.8	1.2
TOOMBS	36.9	15.7	24.0	7.7	4.0	10.2	1.2	0.4
EMANUEL	32.2	32.7	11.7	6.2	3.4	10.2	1.6	2.0
Avg. GA Co.*	42.2	24.7	12.9	6.7	4.8	7.2	0.9	0.7

Primary data source: GA Dept. of Revenue

(\* as of Oct. 2010 Avg. GA county figure preliminary until all county digests are verified.)

# Revenue : Expenditure Ratios

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



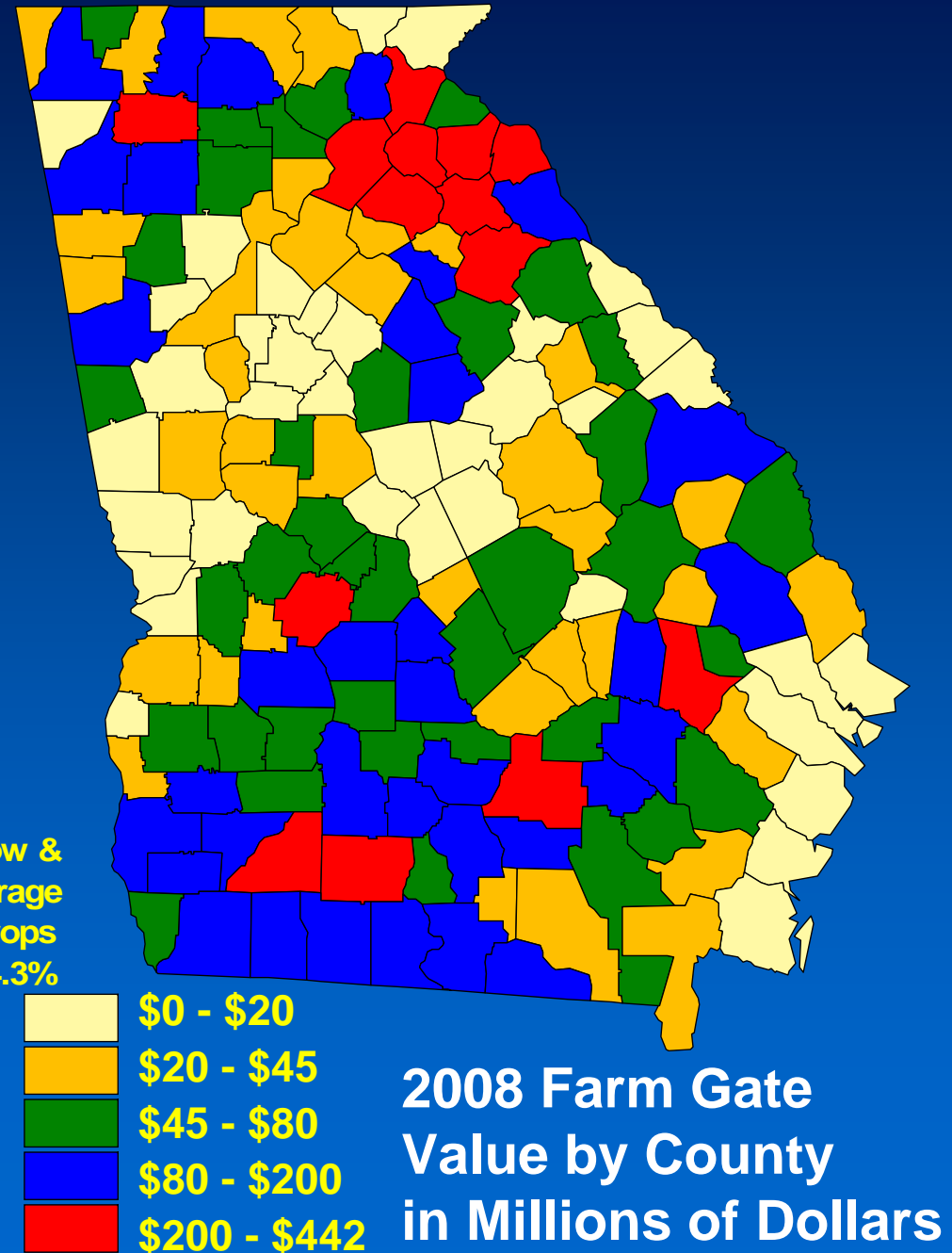
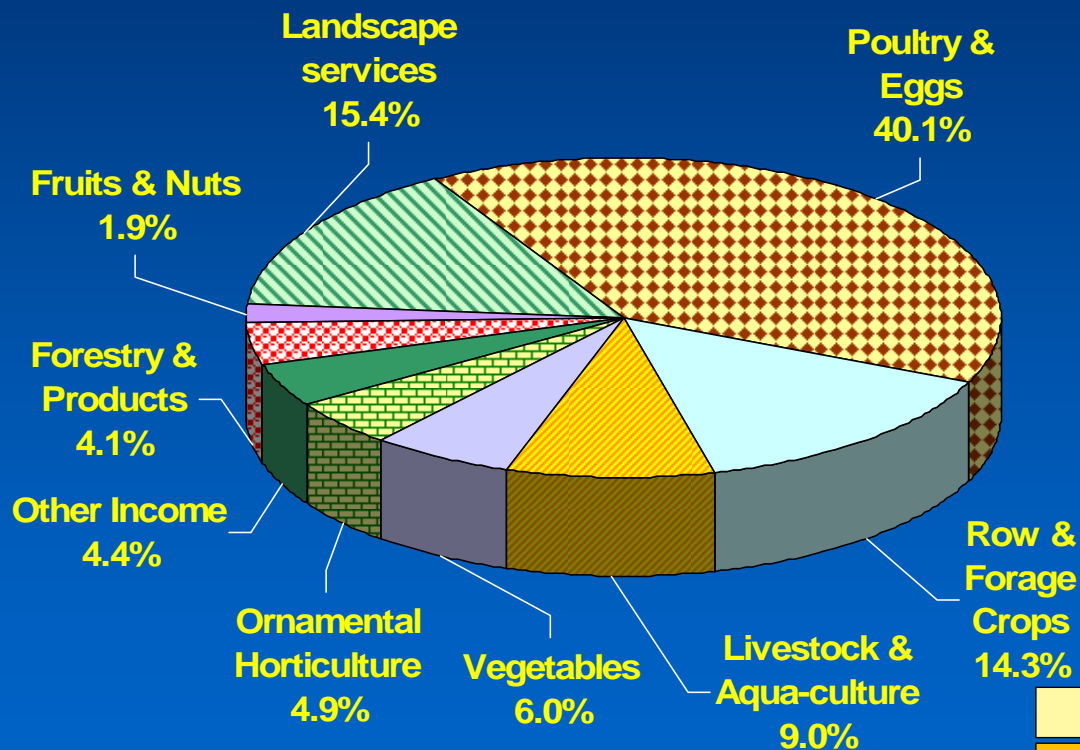
# Agriculture in Georgia

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- Georgia's 2008 Farm Gate Value was \$11.9 billion. Adding the value of landscape services increased the total agricultural production value to \$14 billion.
- Total food and fiber production and directly related businesses account for a \$63 billion *output impact* on Georgia's \$771 billion economy.

# Production Agriculture: 2008

Georgia Total  
Agricultural  
Production Value  
\$11.9 Billion



# What We Know about Candler County

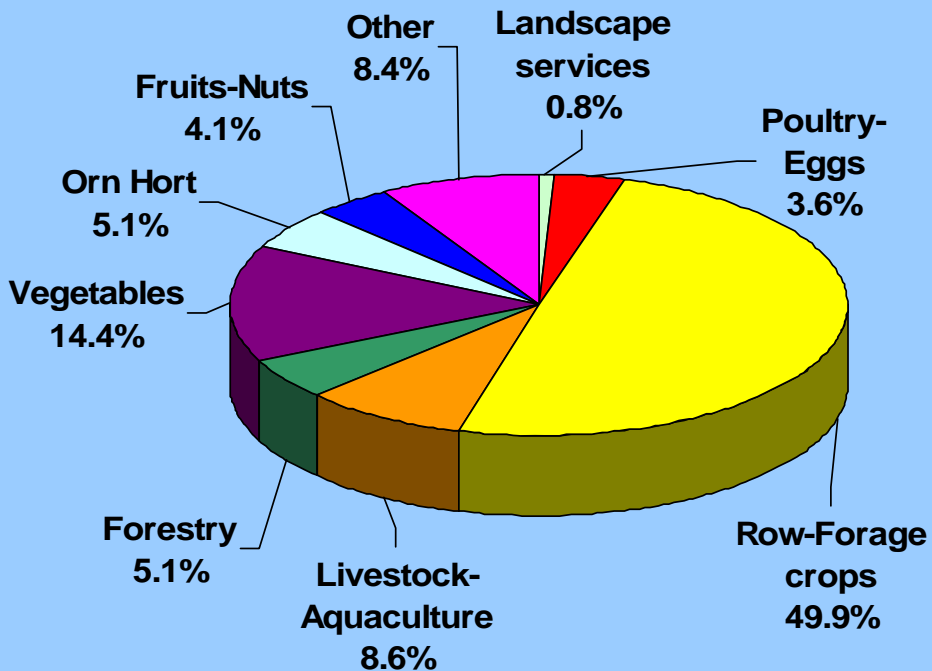
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- 2008 Farm Gate Value in Candler Co. was \$43.2 million. Adding \$431 thousand of landscape services increased the total agricultural production value to \$43.7 million.
- The highest value commodity group was row & forage crops, representing 50% of the total agricultural production value.

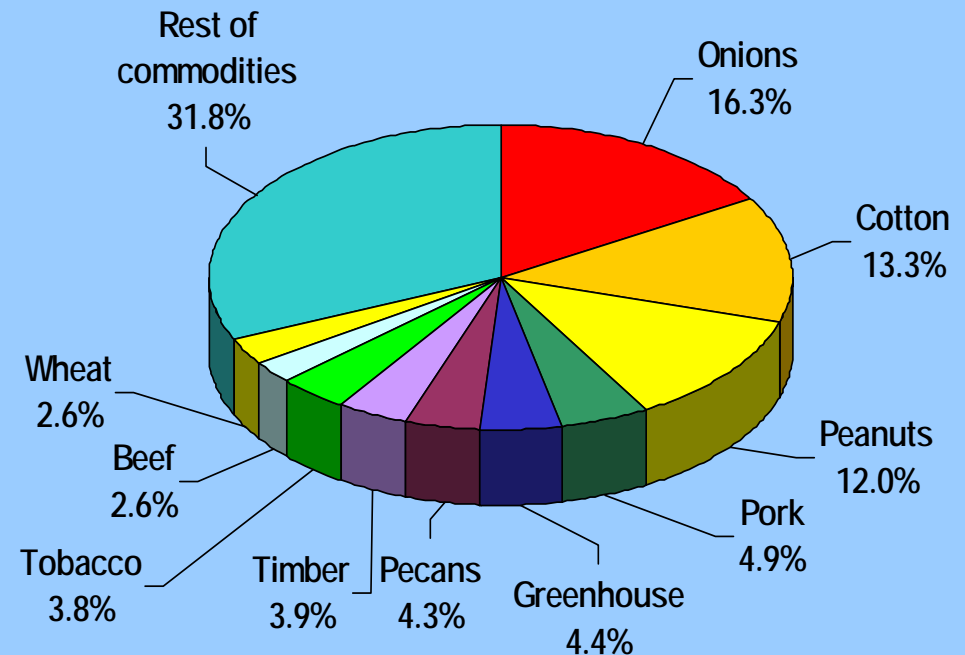
# Candler County

## 2008 Agricultural Production Value

### 2008 Agricultural Production



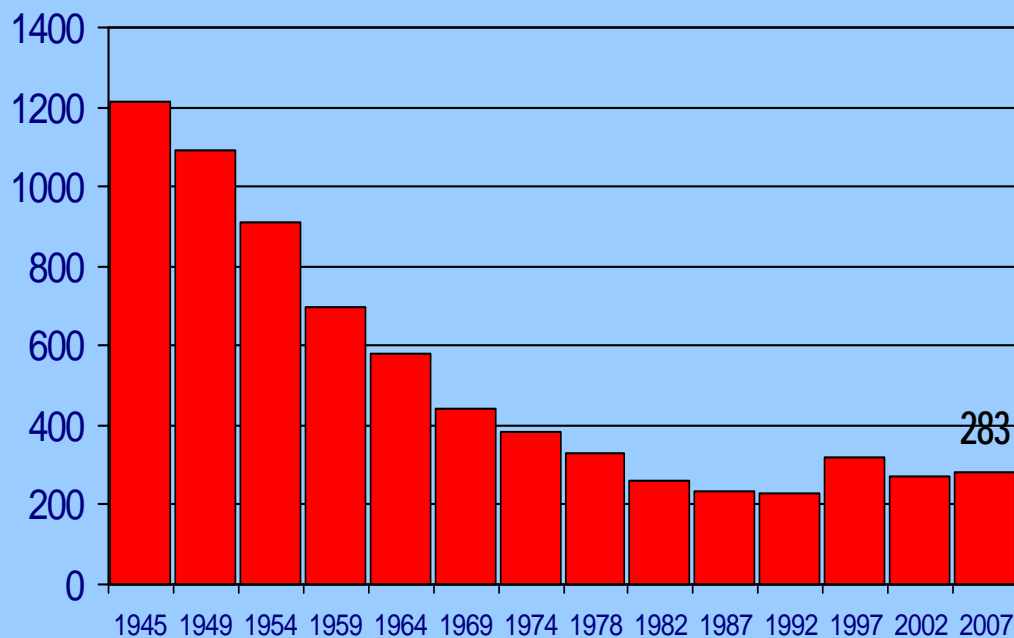
### 2008 Top Farm Gate Commodities



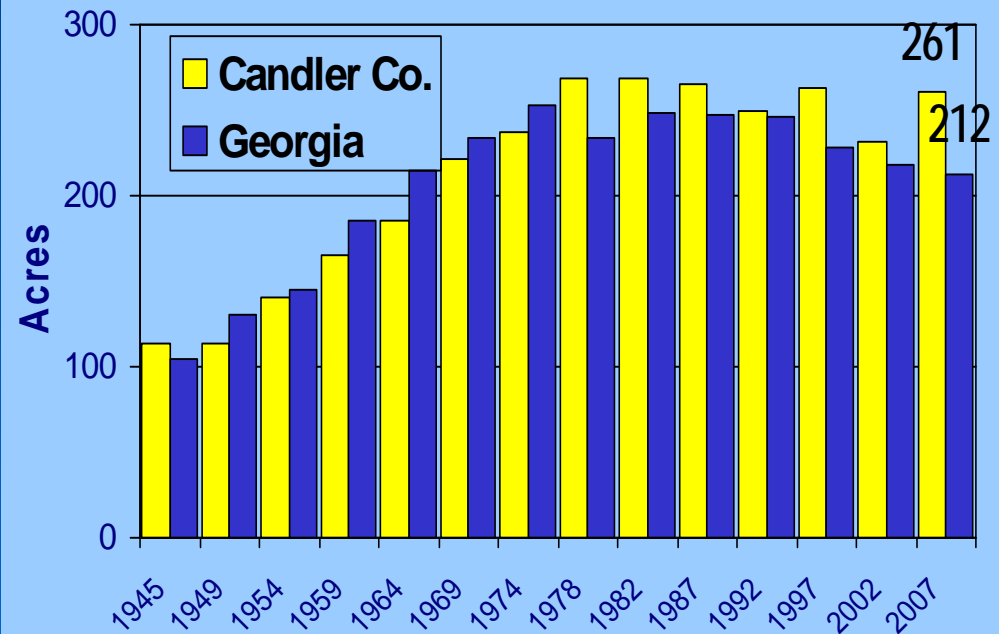
**Total AG Value = \$43.7 million**

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

### Number of Farms, Candler County

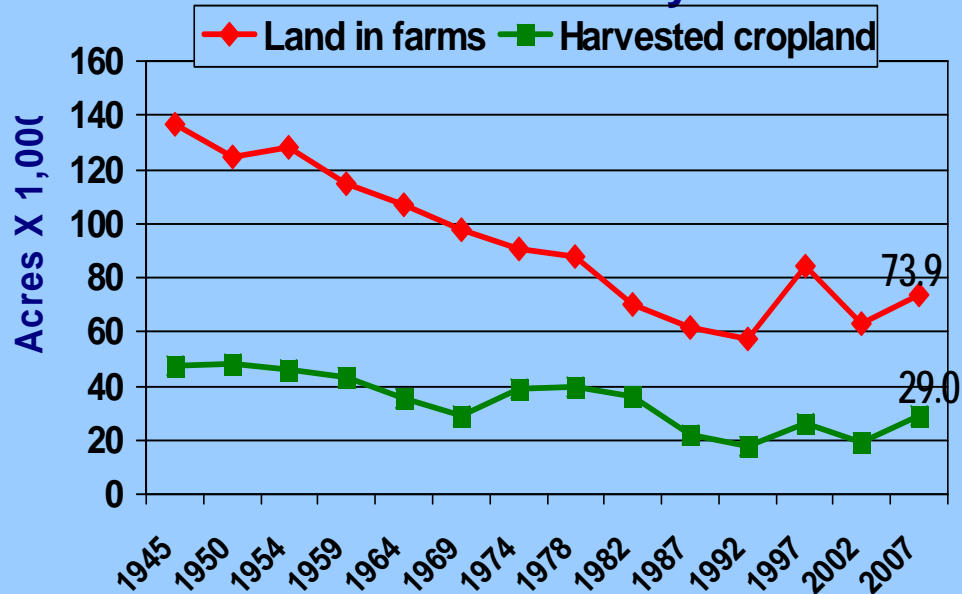


### Average Farm Size

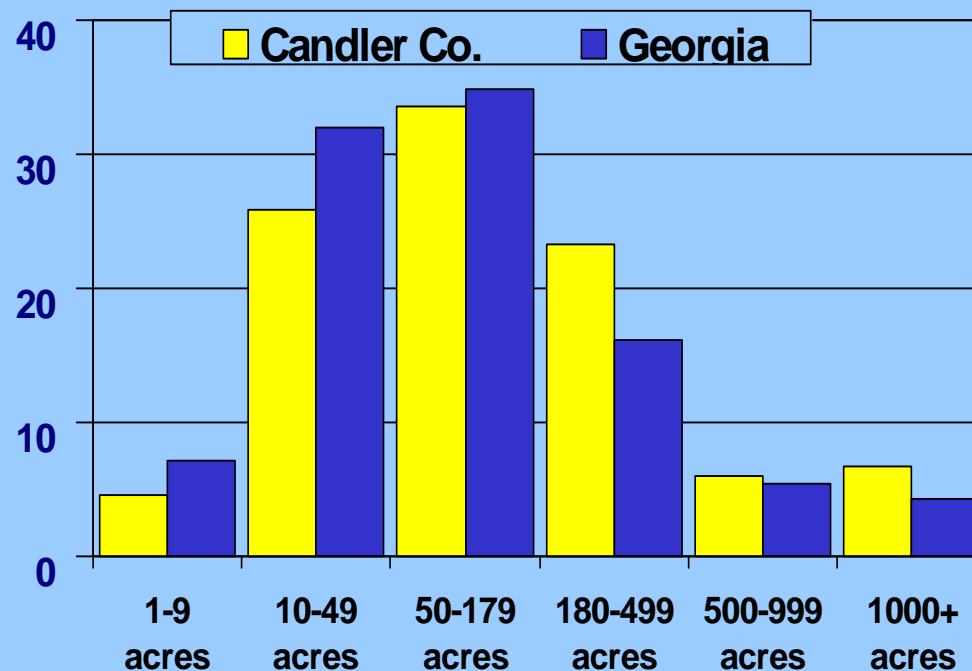


# Trends in Candler County: Land in Farms, Harvested Cropland & Farms by Size

Land in Farms & Harvested Cropland  
Candler County



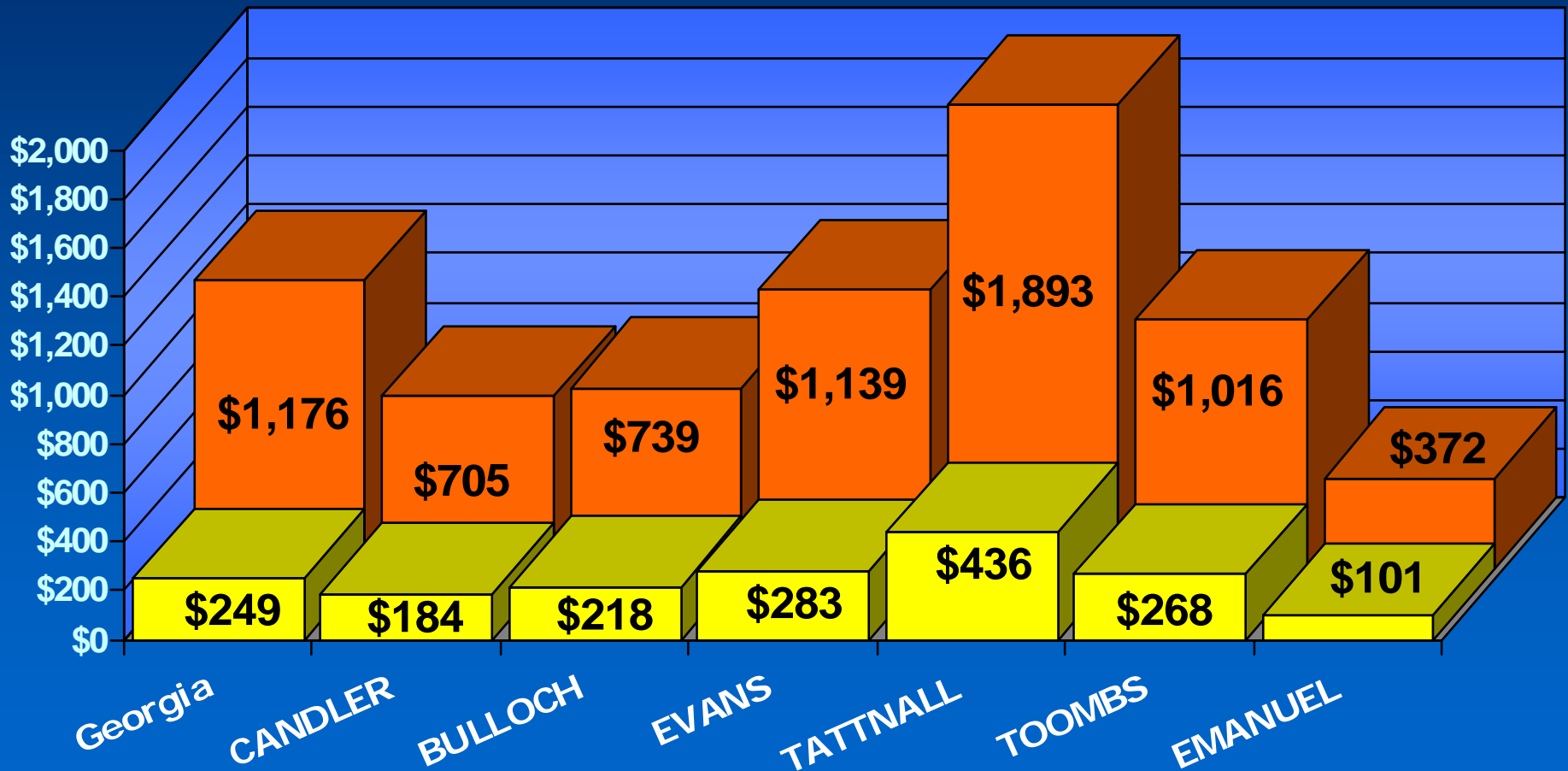
Percent of Farms by Size, 2007



# How Do We Compare ?

## Georgia, Candler and Surrounding Counties 2008 Farm Gate Value

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



# 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?

# Candler County Economy

## Agriculture *OUTPUT*

	Output in millions \$	Percent
Agriculture	43.652	10.4
Construction	39.625	9.4
Manufacturing	57.471	13.7
Trans-Utilities-Info	97.931	23.3
Trade	39.222	9.3
Finance-Ins-RE	39.225	9.3
Services	64.964	15.5
Govt & non-NAICS	37.926	9.0

Total County Economic Output = \$420 million

# Candler County Economy

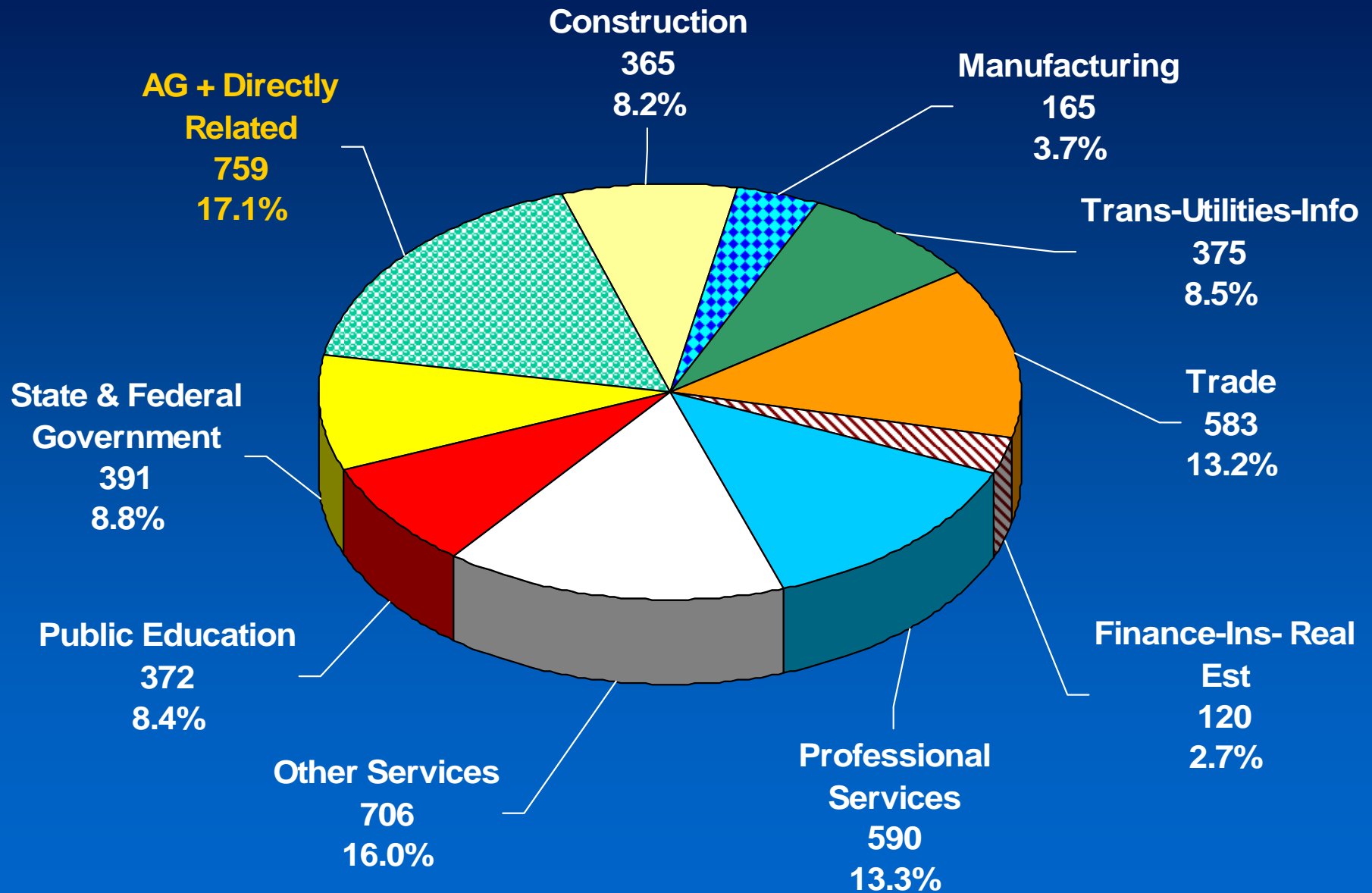
## Agriculture + Directly Related Businesses *OUTPUT*

	Output in millions \$	Percent
Agriculture + Direct	68.335	16.3
Construction	39.625	9.4
Manufacturing	32.787	7.8
Trans-Utilities-Info	97.931	23.3
Trade	39.222	9.3
Finance-Ins-Real Est	39.225	9.3
Services	64.964	15.5
Govt & non-NAICS	37.926	9.0

Total County Economic Output = \$420 million

# Candler County 2008 Employment

Total Jobs = 4,426

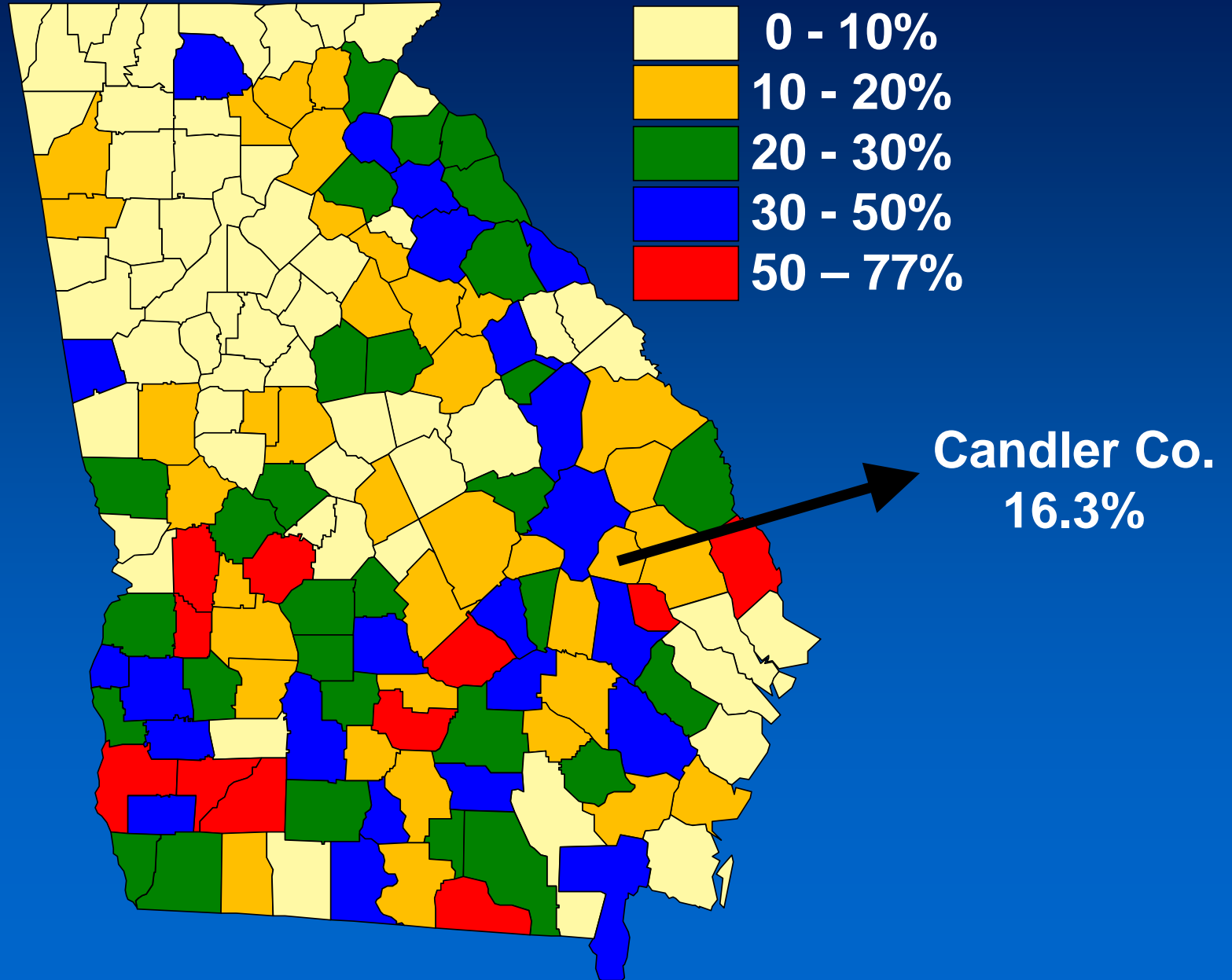


# An Economic Snapshot of Candler County

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- How much of Candler County's total economic output comes from food and fiber production?
- AG value alone of \$43.7 million consisting of Farm Gate Value and landscape services comprises 10.4% of the county's economy.
- AG plus directly related businesses (ex. animal slaughtering, logging, ag services) comprise 16.3% 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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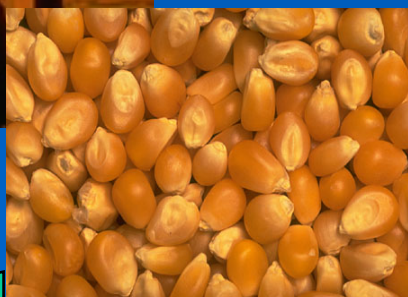
- What is the total (direct and indirect) *impact* of food and fiber production and directly related industries?
- This scenario illustrates how other industries are affected by the presence of food and fiber in the county. The indirect impacts measure output created due to food and fiber production 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.



Labor



Seed

Utilities



# Candler County

## Agriculture *IMPACT*

	Direct millions \$	Indirect millions \$
Agriculture	43.652	0
Construction	0	.137
Manufacturing	0	.085
Trans-Utilities-Info	0	1.667
Trade	0	1.195
Finance-Ins-Real Est	0	2.363
Services	0	1.119
Govt & non-NAICS	0	.430
<b>Total</b>	<b>43.652</b>	<b>6.995</b>

Total Impact of Production AG = \$50.6 million  
12.1% of total economy

# Candler County

## Production Agriculture + Directly Related Businesses *IMPACT*

	Direct millions \$	Indirect millions \$
Agriculture + Direct	68.335	0
Construction	0	.189
Manufacturing	0	.162
Trans-Utilities-Info	0	2.533
Trade	0	1.973
Finance-Ins-Real Est	0	3.182
Services	0	1.837
Govt & non-NAICS	0	.525
Total	68.335	10.402

Total Impact of AG + Directly Related = \$78.7 million  
18.8% of total economy

# Candler County

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

	Direct	Indirect
Agriculture + Direct	759	0
Construction	0	3
Manufacturing	0	1
Trans-Utilities-Info	0	9
Trade	0	29
Finance-Ins-Real Est	0	11
Services	0	37
Government	0	2

Total Impact of AG + Directly Related Employment = 852 Jobs  
19.3% of total employment

# What These Numbers Mean: A Brief Explanation

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- *Direct* impact is \$68.3 million. This includes food and fiber production, processing and directly related manufacturing.
- *Indirect* impact from the Trade sector is \$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)

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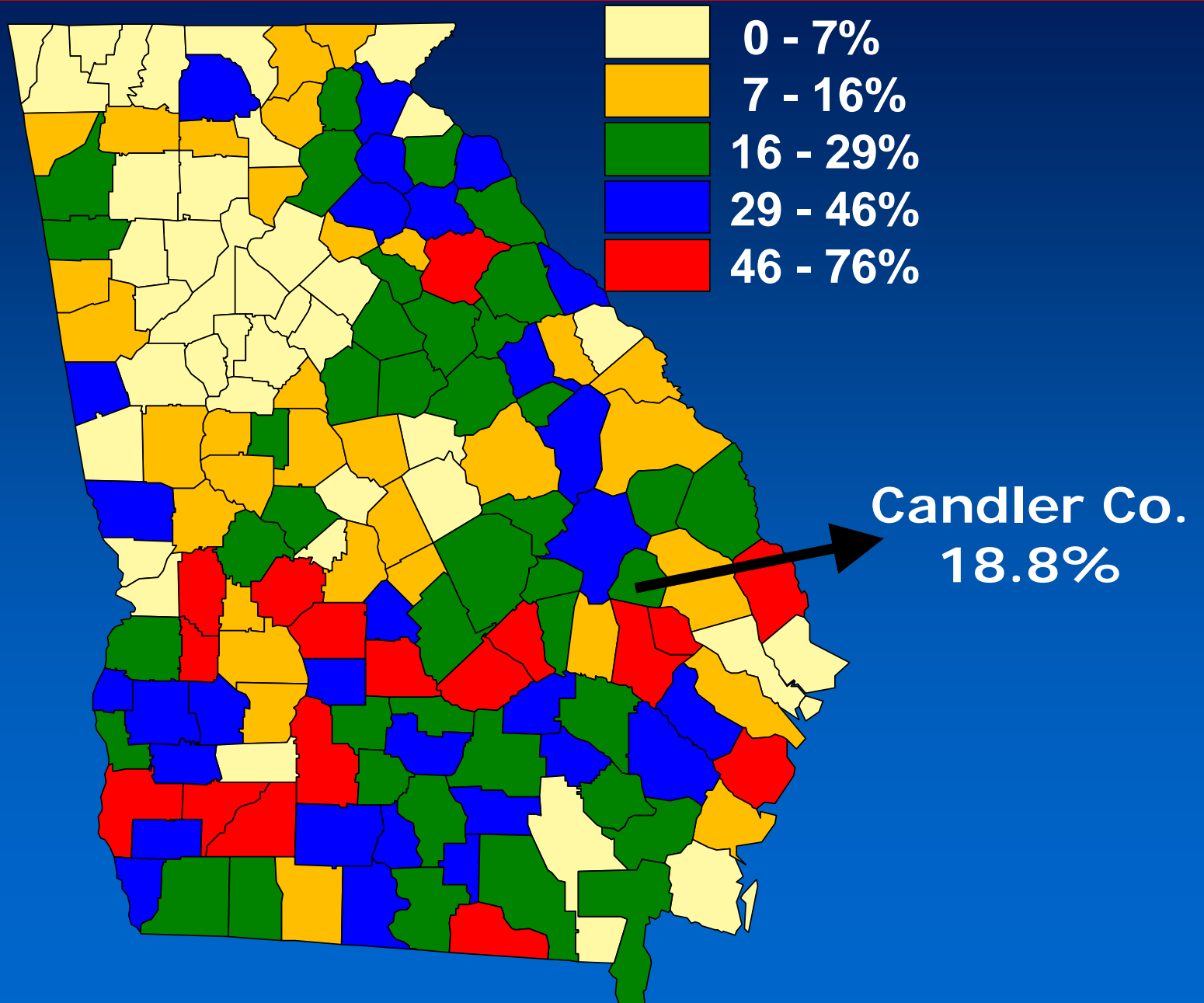
- As local stores increase their output, they may demand more stock from local wholesalers (also in the Trade sector). Local wholesalers demand more from local manufacturers, thus increasing activity in the Manufacturing sector.
- Local stores also hire employees to assist farmers. They take home wages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

# Candler County Food and Fiber Impact Conclusions

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- The total *impact* of food and fiber production, processing and direct manufacturing is \$78.7 million.
- The total county *output* is \$420 million.
- Thus, food and fiber (directly and indirectly) account for 18.8% 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**

**#10-25A**

**October, 2010**

