

The Economic Importance of Food and Fiber

A Spotlight on Crisp County, Georgia

Prepared for
Crisp County Cooperative Extension
March, 2008

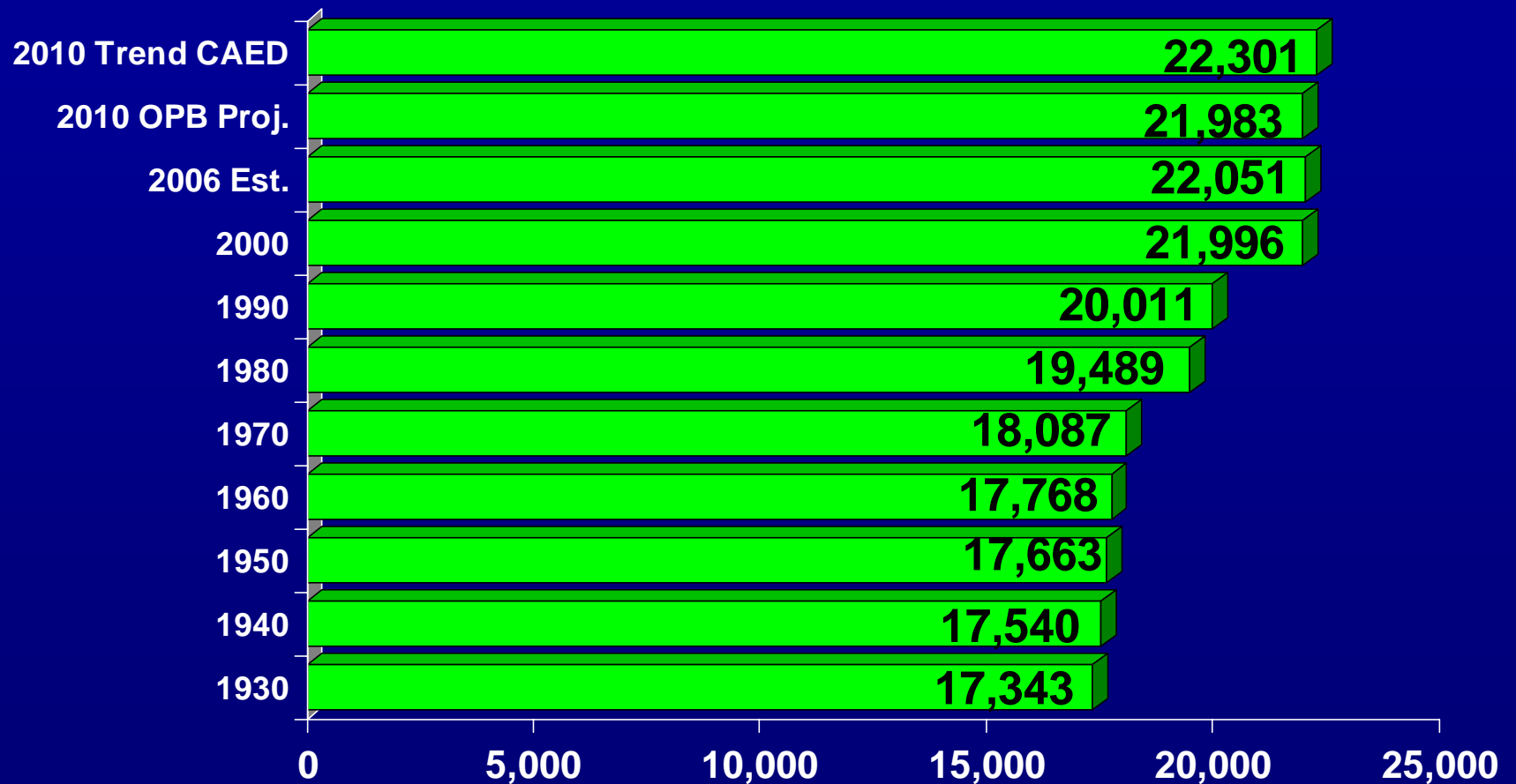
by:

The Center for Agribusiness
and Economic Development

College of Agricultural
and Environmental Sciences

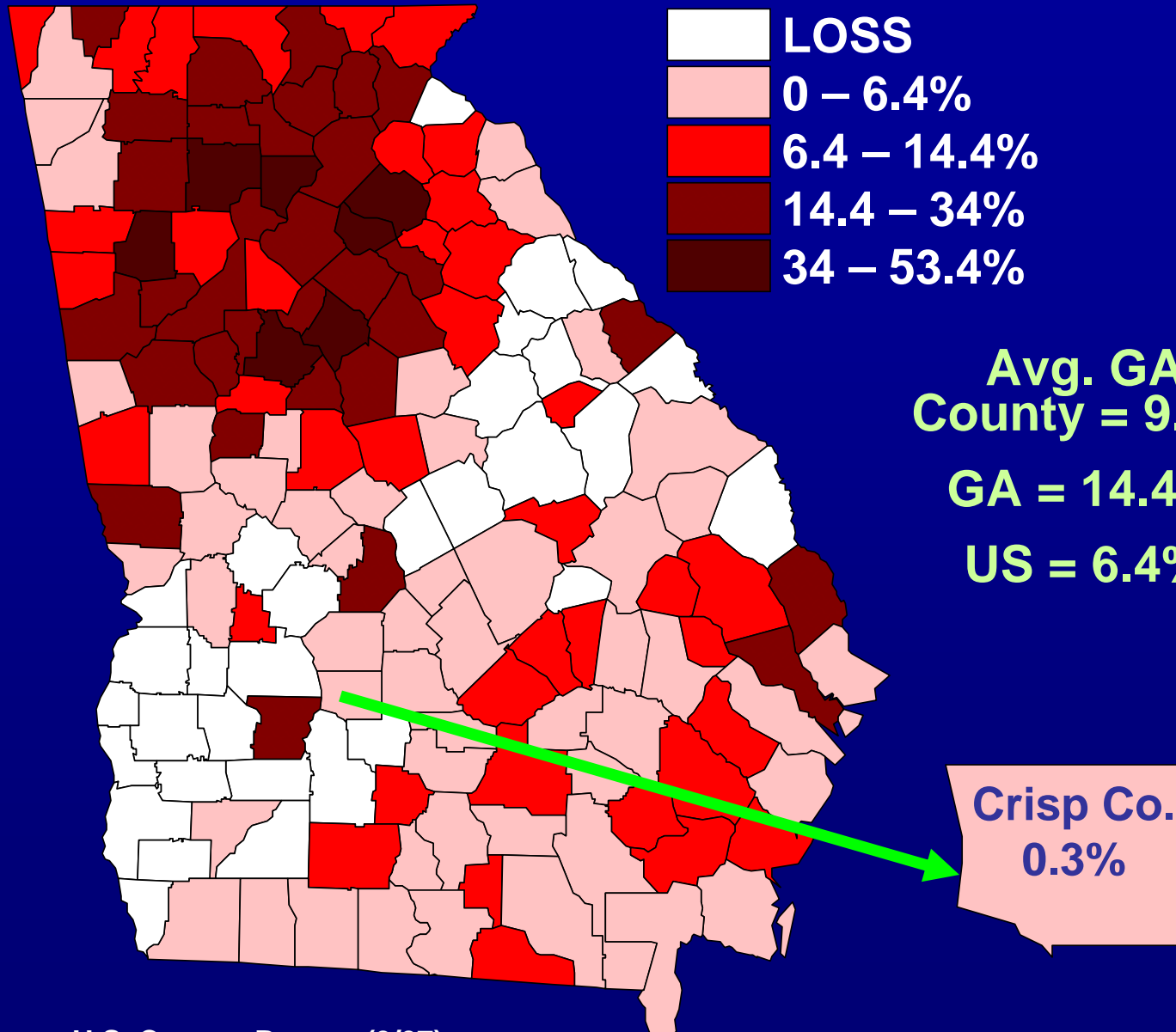
The University of Georgia

Total Population Crisp County



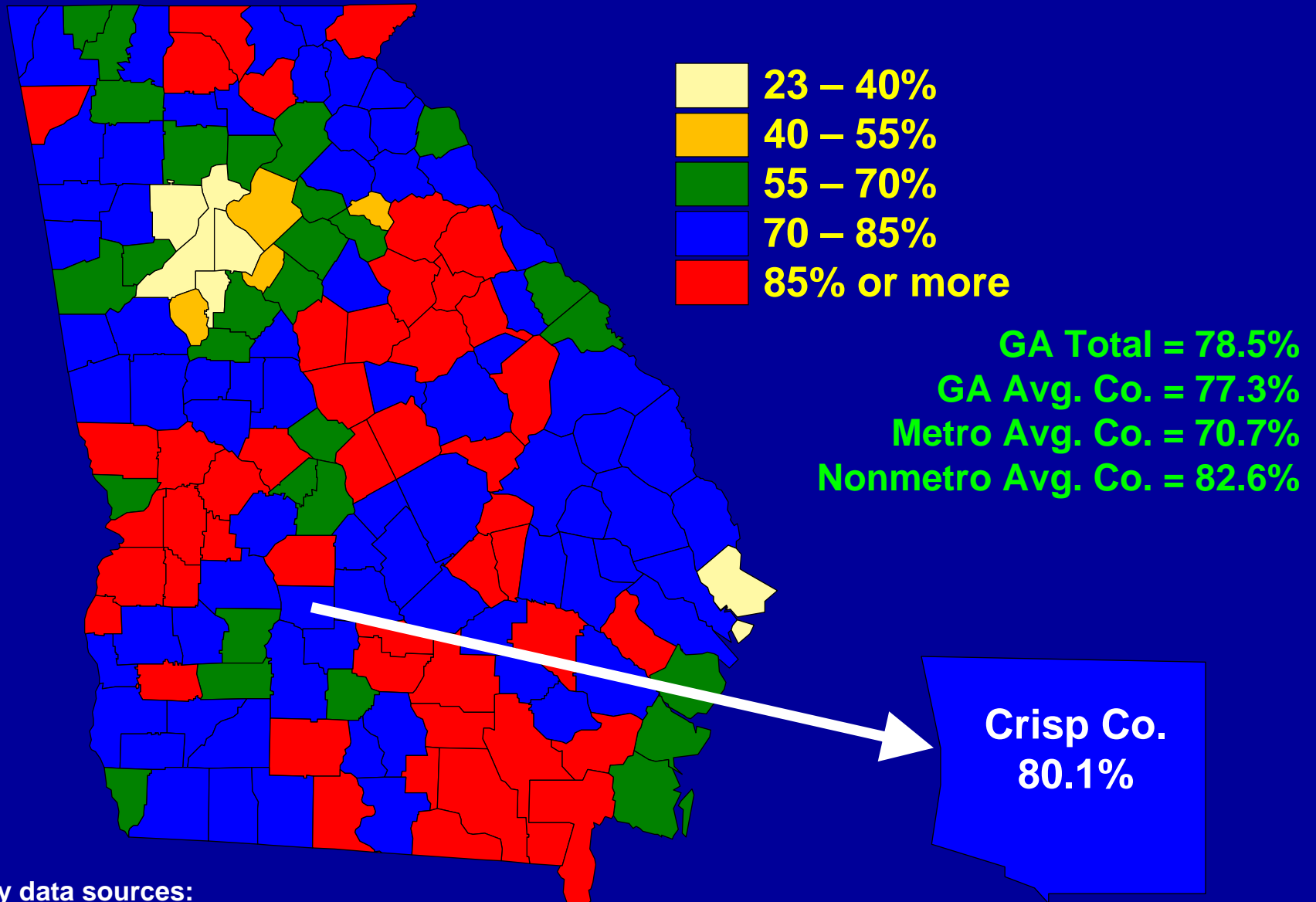
Primary data sources: U.S. Census Bureau, decennial censuses & estimate; CAED (Center for Agribusiness & Economic Development).

Population Change: 2000-2006



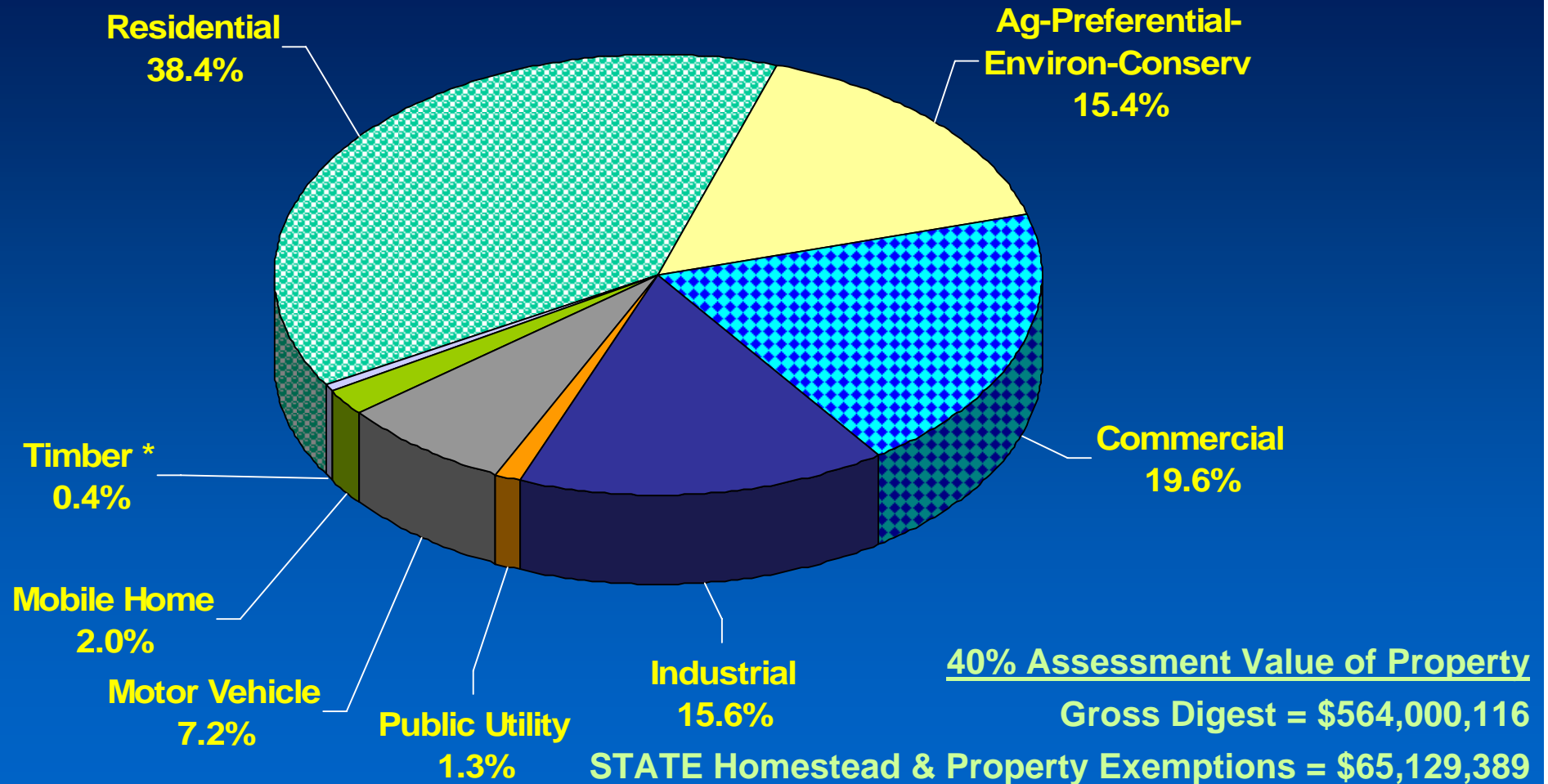
Primary data source: U.S. Census Bureau (3/07)

Percent of Land in Cropland & Forestland: 2002



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

Components of 2006 Property Tax Gross Digest Crisp County



40% Assessment Value of Property

Gross Digest = \$564,000,116

STATE Homestead & Property Exemptions = \$65,129,389

Net M&O Digest = \$498,870,727

Value of exempt property = \$47,279,744

Primary data source:
GA Dept. of Revenue

* Timber taxed at 100% based on previous year sales

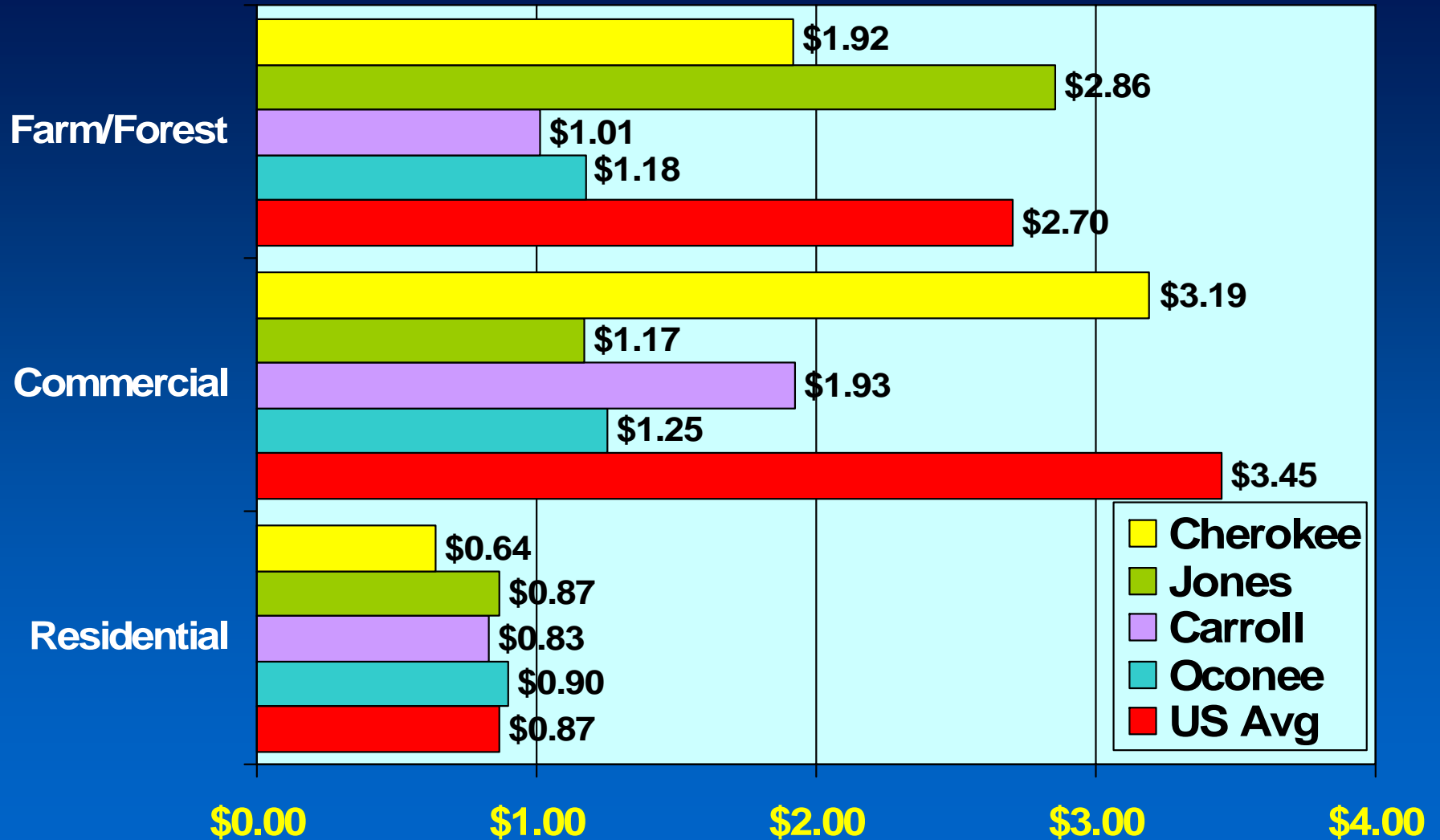
County Property Tax Digest Comparisons: 2006

County	% Residential	% Agricultural	% Commercial	% Industrial	% Motor Vehicle	% Other
CRISP	38.4	15.4	19.6	15.6	7.2	3.7
DOOLY	25.6	37.4	11.0	11.7	7.9	6.5
LEE	55.6	19.1	12.2	0.9	9.0	3.1
SUMTER	39.8	22.9	15.3	8.4	8.3	5.4
TURNER	20.9	42.3	18.9	3.4	7.5	7.0
WILCOX	23.3	49.3	7.0	0.0	9.0	11.3
WORTH	33.2	38.4	9.0	3.1	9.3	7.0
Avg. GA Co.	41.9	22.5	12.8	7.6	7.4	7.7

Primary data source: GA Dept. of Revenue

Revenue : Expenditure Ratios

\$ of Revenue for Each \$ of Expenditure

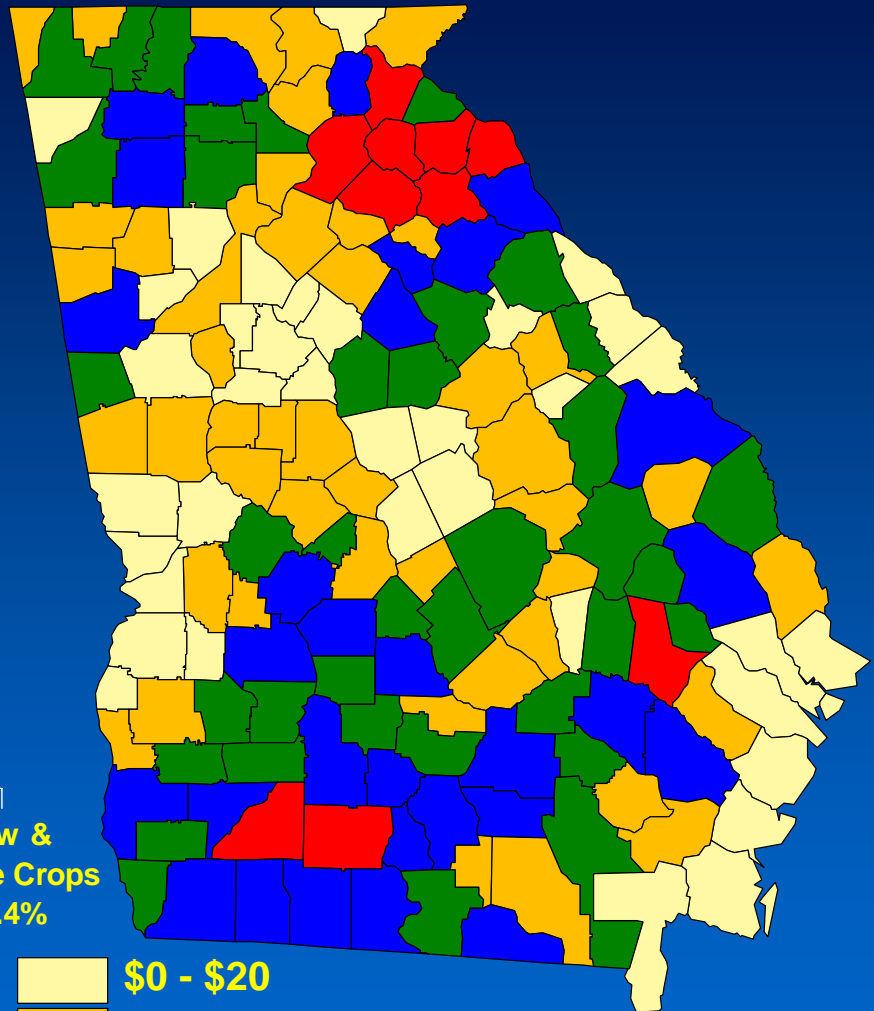
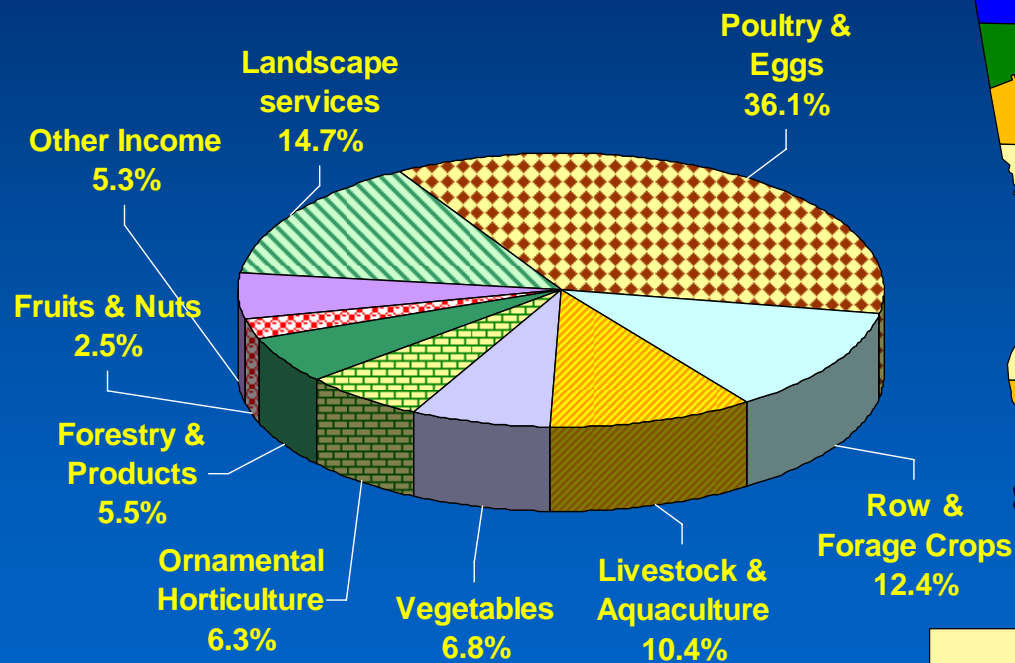


Agriculture in Georgia

- Georgia's 2006 Farm Gate Value was \$10.4 billion. Adding the value of landscape services increased the total agricultural production value to \$12.2 billion.
- Total food and fiber production and directly related businesses account for a \$34.5 billion *output impact* on Georgia's \$55 billion economy.

Production Agriculture: 2006

Georgia Total
Agricultural
Production Value
\$12.2 Billion



2006 Farm Gate
Value by County
in Millions of Dollars

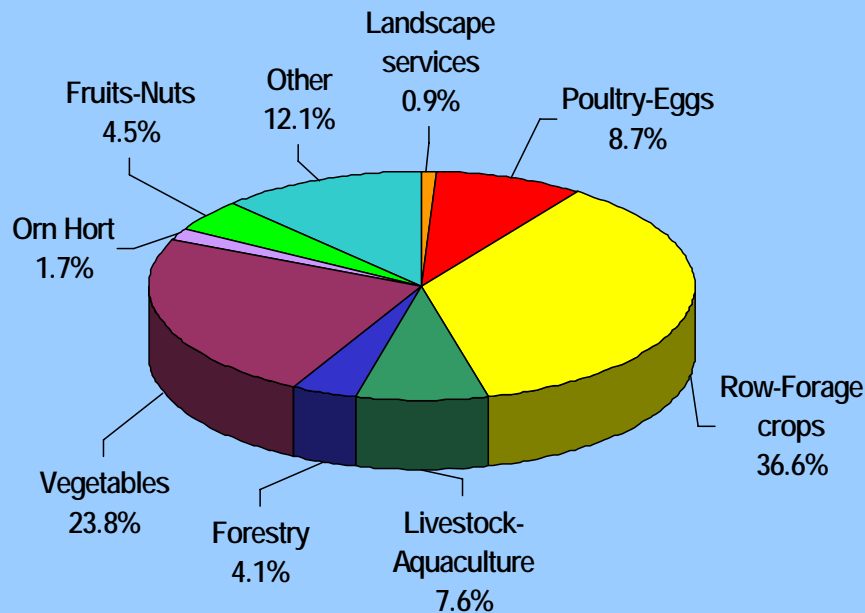
What We Know about Crisp County

- 2006 Farm Gate Value in Crisp Co. was \$70.7 million. Adding \$661 thousand of landscape services increased the total agricultural production value to \$71.4 million.
- The highest value commodity group was row & forage crops , representing 36.6% of the total agricultural production value.

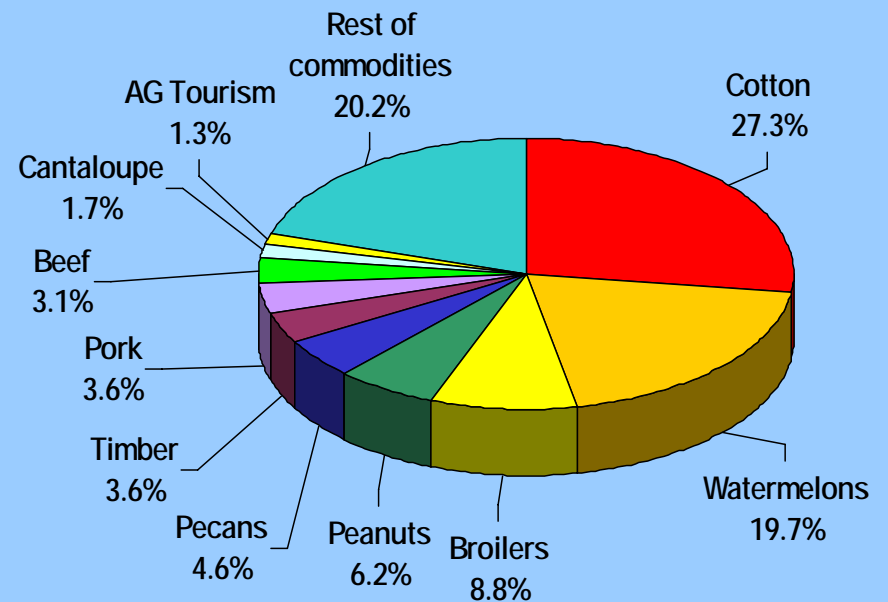
Crisp County

2006 Agricultural Production Value

2006 Agricultural Production



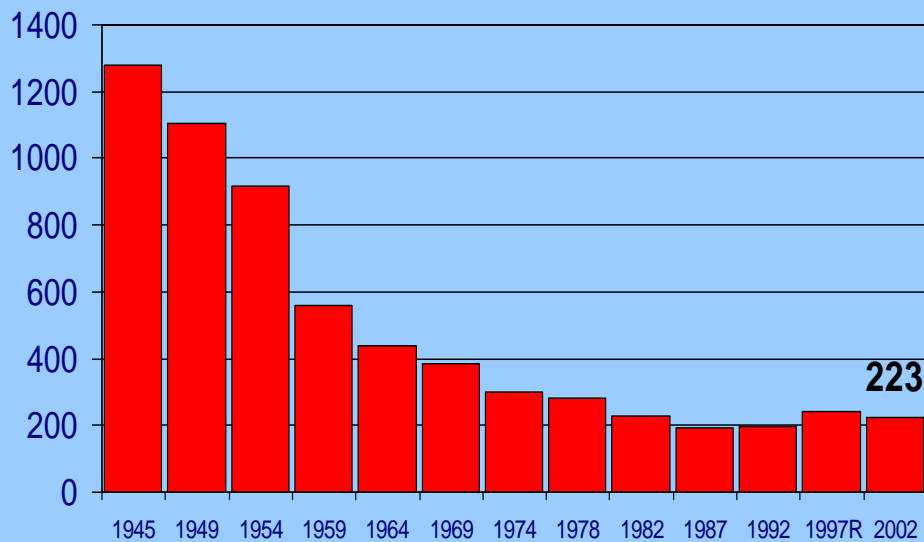
2006 Top Farm Gate Commodities



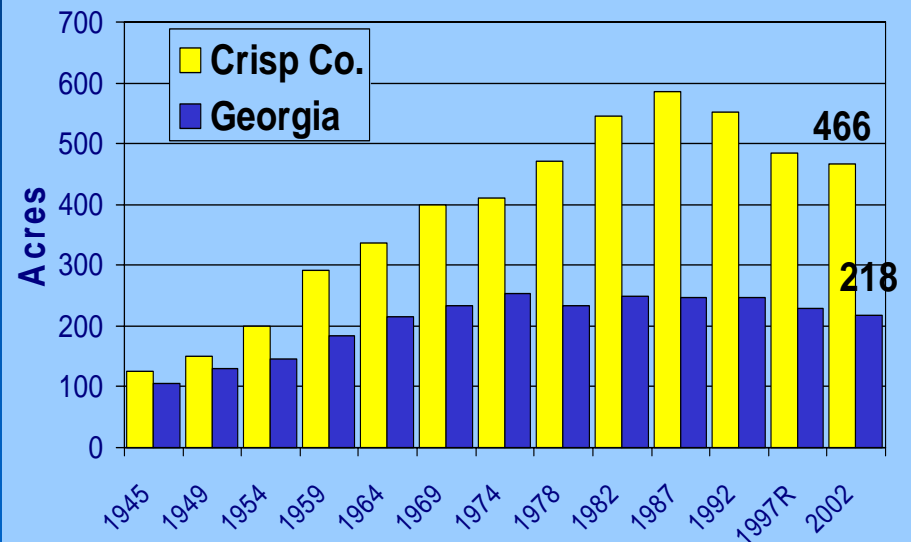
Total AG Value = \$71.4 million

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

Number of Farms, Crisp County



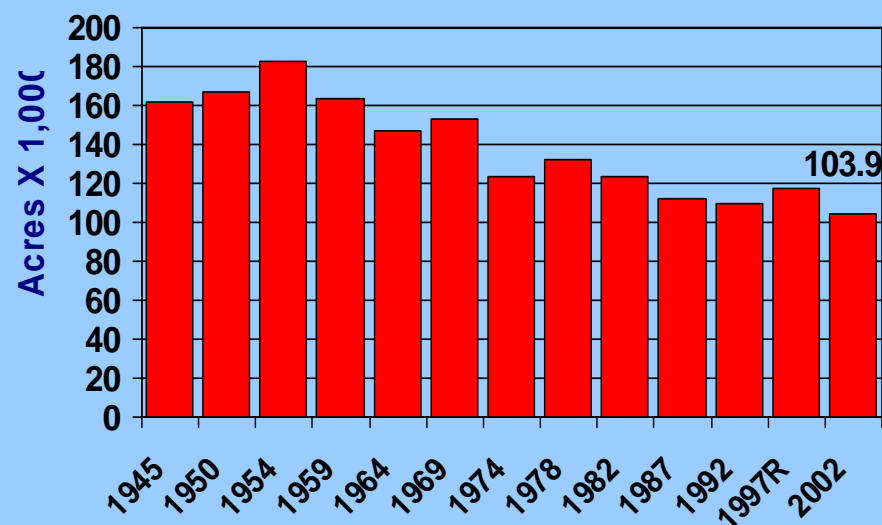
Average Farm Size



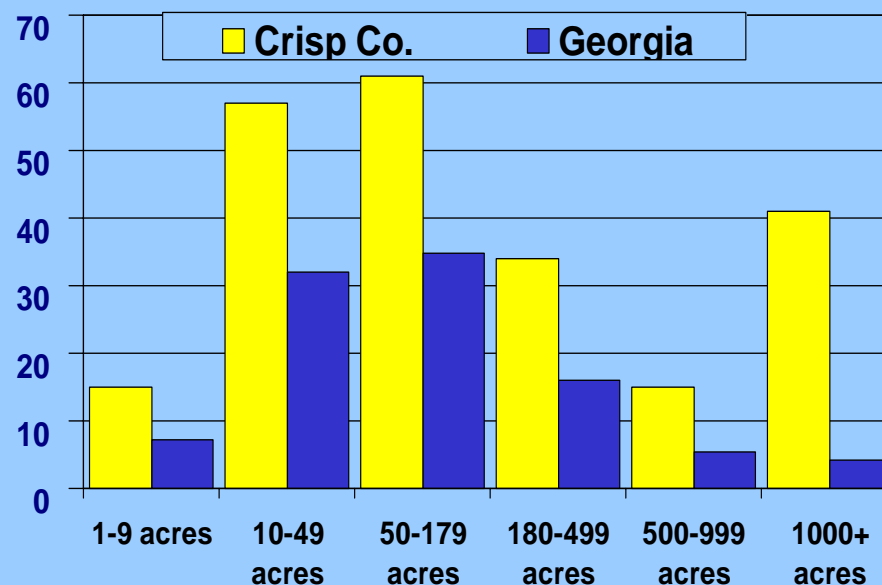
Source: 1945-2002 (quinquennial) Censuses of Agriculture

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

Land in Farms
Crisp County



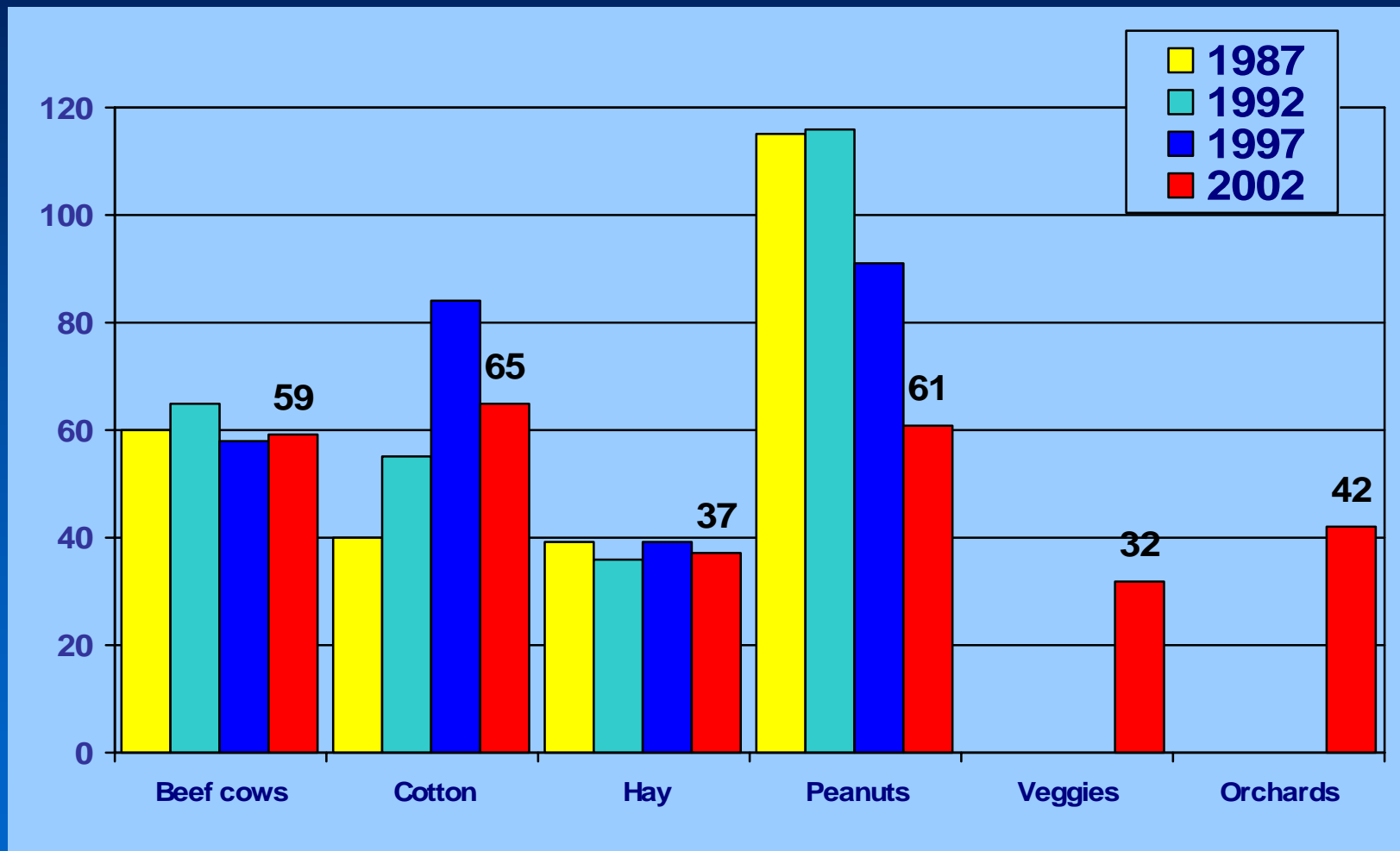
Percent of Farms by Size, 2002



Source: 1945-2002 (quinquennial) Censuses of Agriculture

Trends in Crisp County

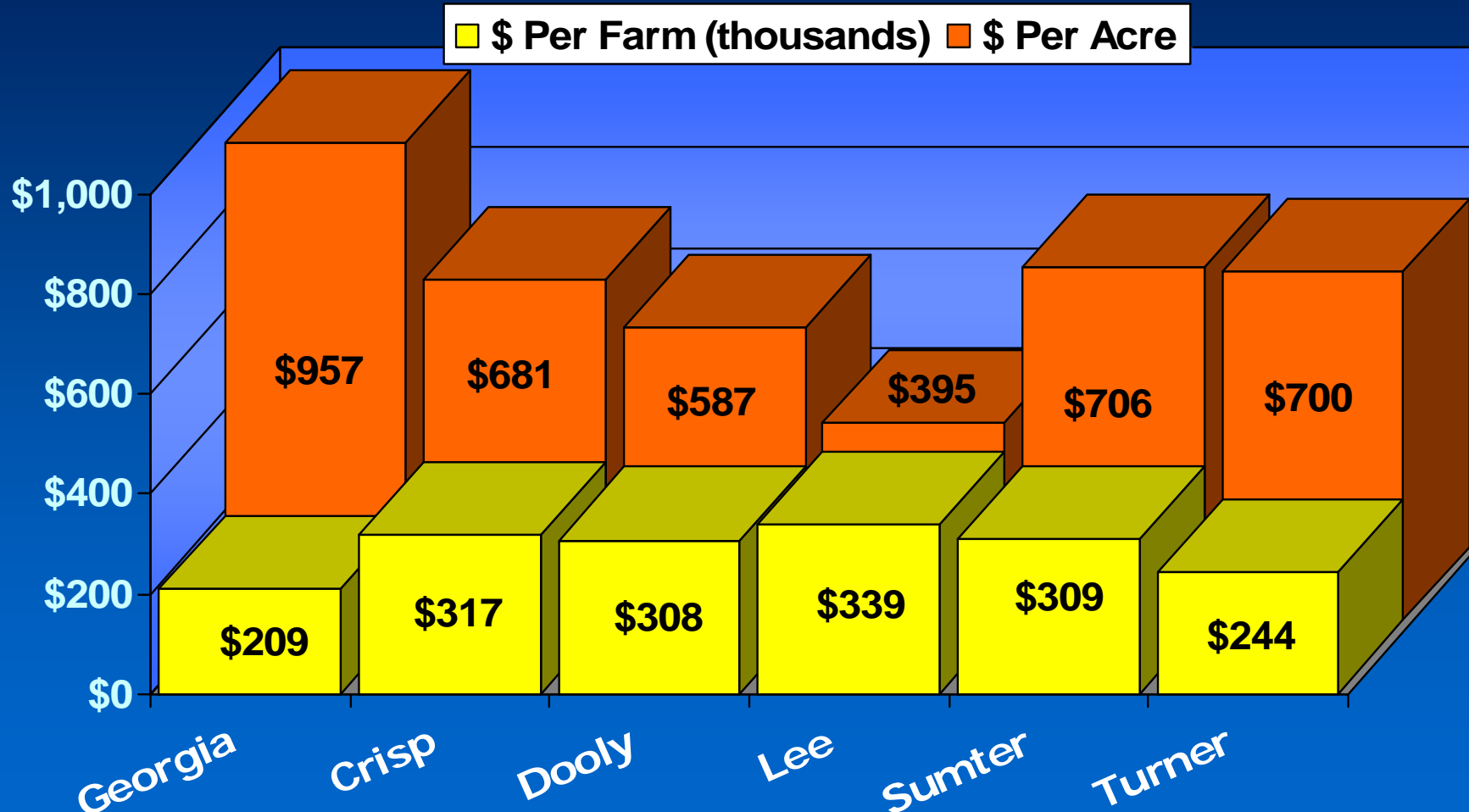
Number of Farms by Commodity



Source: 1987-2002 (quinquennial) Censuses of Agriculture

How Do We Compare ?

Georgia, Crisp and Surrounding Counties Farm Gate Value



Sources: [2002 Census of Agriculture](#) and [2006 Farm Gate Value Report](#)

What We Did

County Economy Modeled

- 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?

Crisp County Economy

Agriculture *OUTPUT*

	Output in \$ Millions	Percent
Agriculture	71.393	5.8
Construction	55.519	4.5
Manufacturing	488.193	39.7
Trans-Utilities-Info	49.595	4.0
Trade	180.918	14.7
Finance-Ins-RE	78.443	6.4
Services	174.421	14.2
Government	131.365	10.7

Total County Economic Output = \$1.23 billion

Crisp County Economy

Agriculture + Directly Related Businesses *OUTPUT*

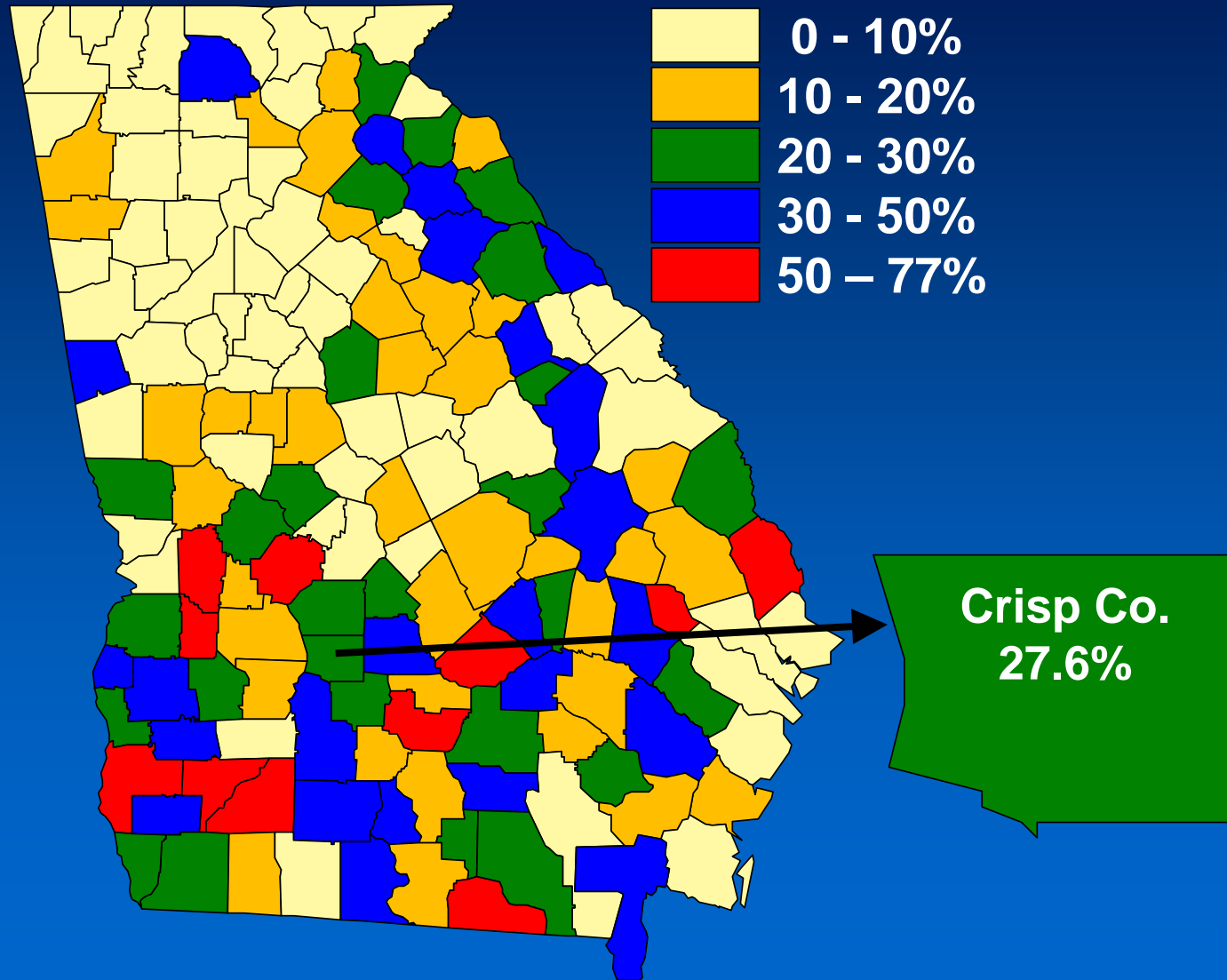
	Output in \$ Millions	Percent
<i>Agriculture + Direct</i>	338.936	27.6
Construction	55.519	4.5
Manufacturing	220.650	17.9
Trans-Utilities-Info	49.595	4.0
Trade	180.918	14.7
Finance-Ins-RE	78.443	6.4
Services	174.421	14.2
Government	131.365	10.7

Total County Economic Output = \$1.23 billion

An Economic Snapshot of Crisp County

- How much of Crisp County's total economic output comes from food and fiber production?
- AG value alone of \$71.4 million consisting of Farm Gate Value and landscape services comprises 5.8% of the county's economy.
- AG plus directly related businesses (ex. pesticide/chemical mfg., sawmills, etc.) comprise 27.6% of the county's economy.

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

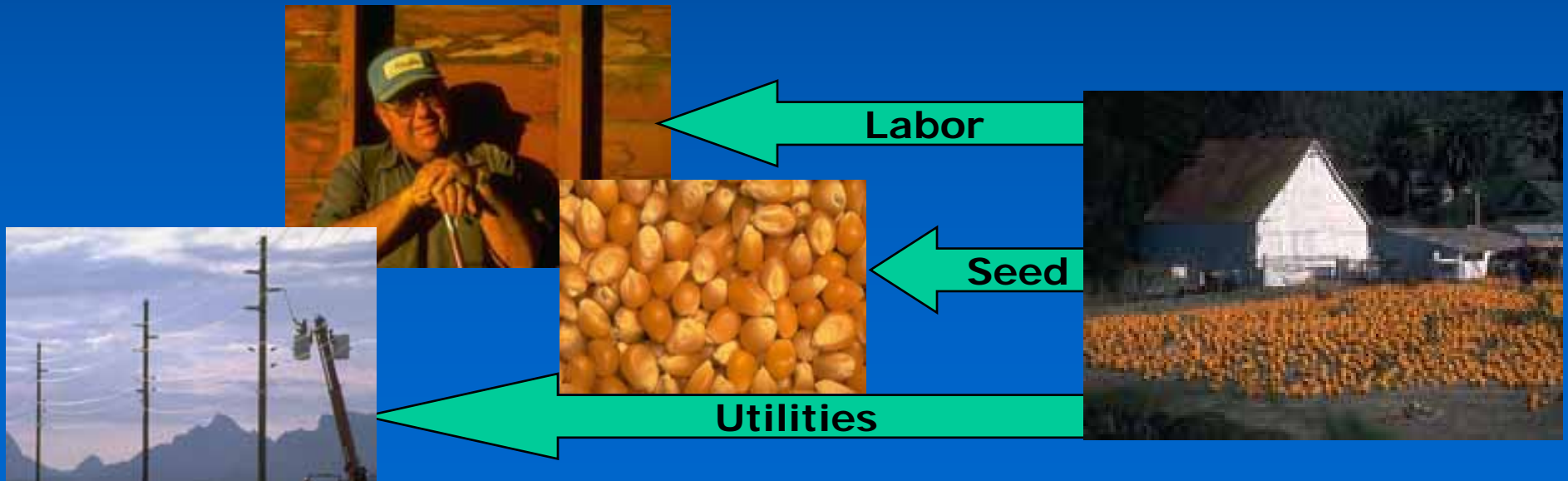


What is the Impact?

- 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.



Crisp County

Agriculture *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture	71.393	0
Construction	0	.204
Manufacturing	0	7.101
Trans-Utilities-Info	0	2.321
Trade	0	6.803
Finance-Ins-RE	0	4.978
Services	0	6.033
Government	0	3.871
Total	71.393	31.311

Total Impact of Production AG = \$102.7 million—8.4% of total economy

Crisp County

Production Agriculture + Directly Related Businesses *IMPACT*

	Direct \$ Millions	Indirect \$ Millions
Agriculture + Direct	87.252	0
Construction	0	1.182
Manufacturing	251.684	35.623
Trans-Utilities-Info	0	17.488
Trade	0	36.571
Finance-Ins-RE	0	14.005
Services	0	19.730
Government	0	8.973
Total	338.936	133.572

Total Impact of AG+Directly Related = \$472.5 million—38.4% of total economy

Crisp County

Production Agriculture + Directly Related Industries Employment *IMPACT*

	Direct	Indirect
Agriculture + Direct	1,238	0
Construction	0	12
Manufacturing	0	49
Trans-Utilities-Info	0	144
Trade	0	320
Finance-Ins-RE	0	90
Services	0	345
Government	0	9

Total Impact of AG + Directly Related Employment = 2,209 Jobs

What These Numbers Mean: A Brief Explanation

- *Direct* impact is \$87.3 million. This includes food and fiber production, processing and directly related manufacturing.
- *Indirect* impact from the Trade sector is \$36.6 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:

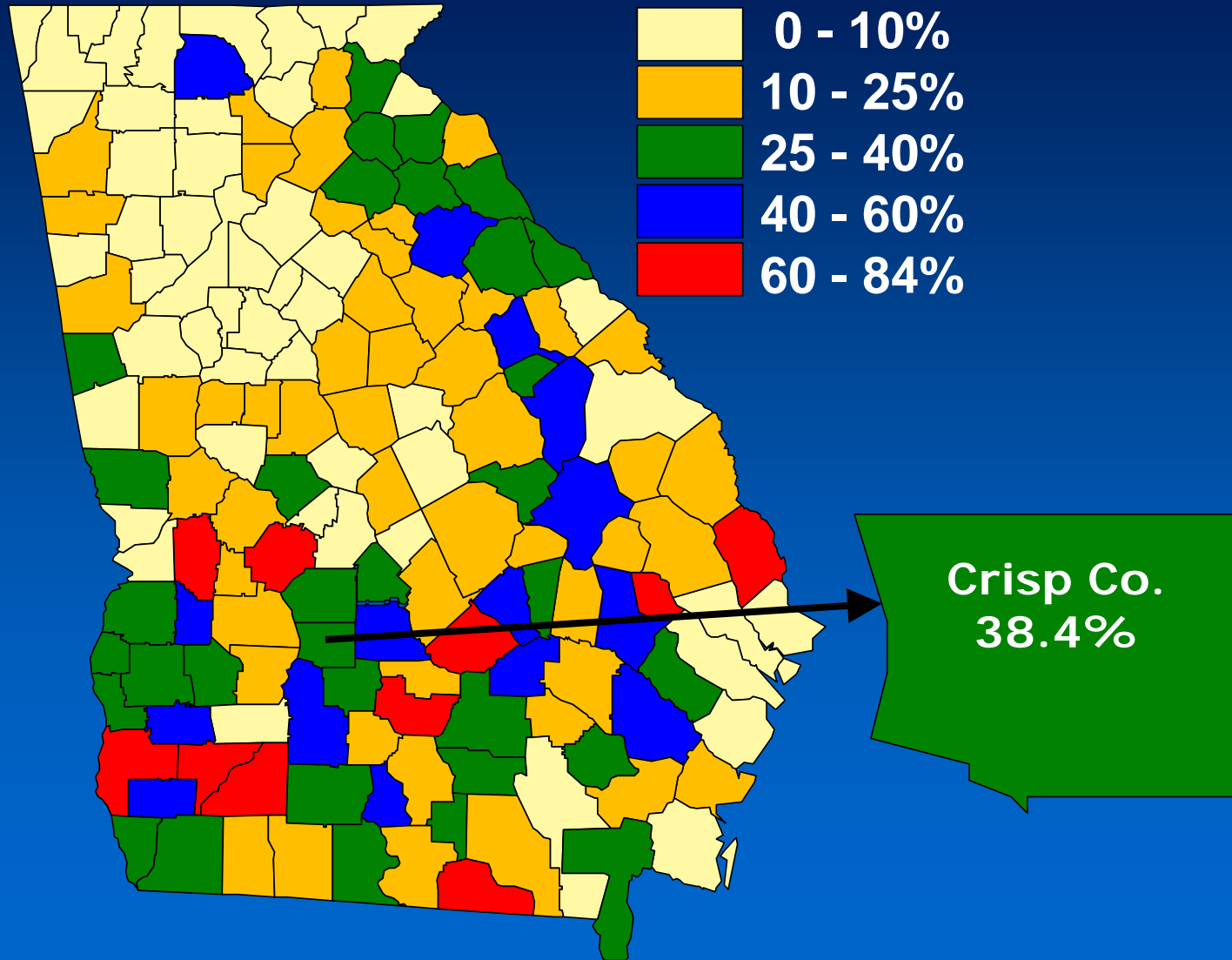
A Brief Explanation (continued)

- 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.

Crisp County Food and Fiber Impact Conclusions

- The total *impact* of food and fiber production, processing and direct manufacturing is \$472.5 million.
- The total *output* is \$1.23 Billion.
- Thus, food and fiber (directly and indirectly) account for 38.4% of the total output.

Food and Fiber Production and Directly Related 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 Area Report

#0811A

March, 2008

