

# Georgia's Agricultural Biomass Production and Potential

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*The Center for Agribusiness  
and Economic Development*

[www.caed.uga.edu](http://www.caed.uga.edu)

College of Agricultural  
and Environmental Sciences  
The University of Georgia

# Potential?

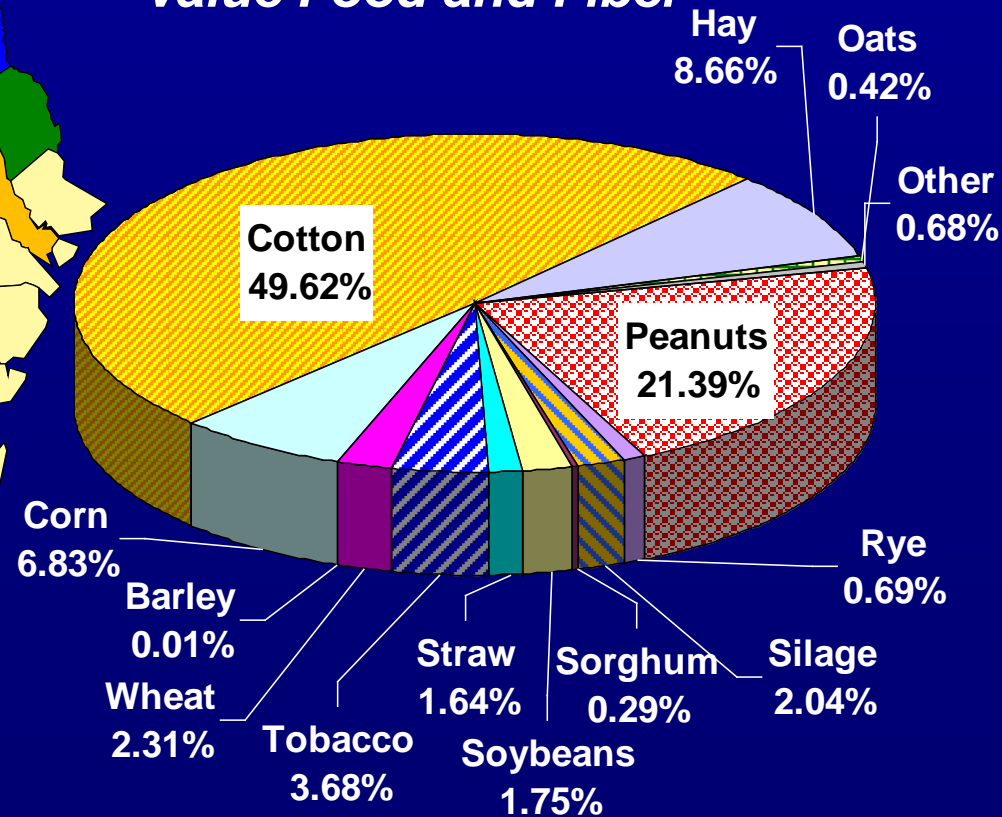
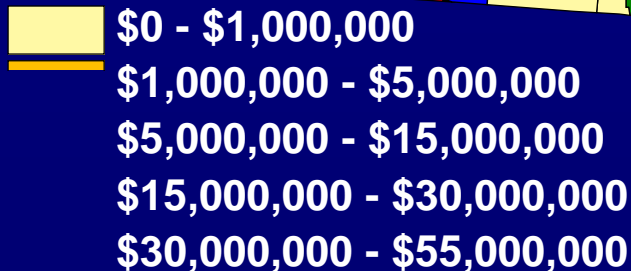
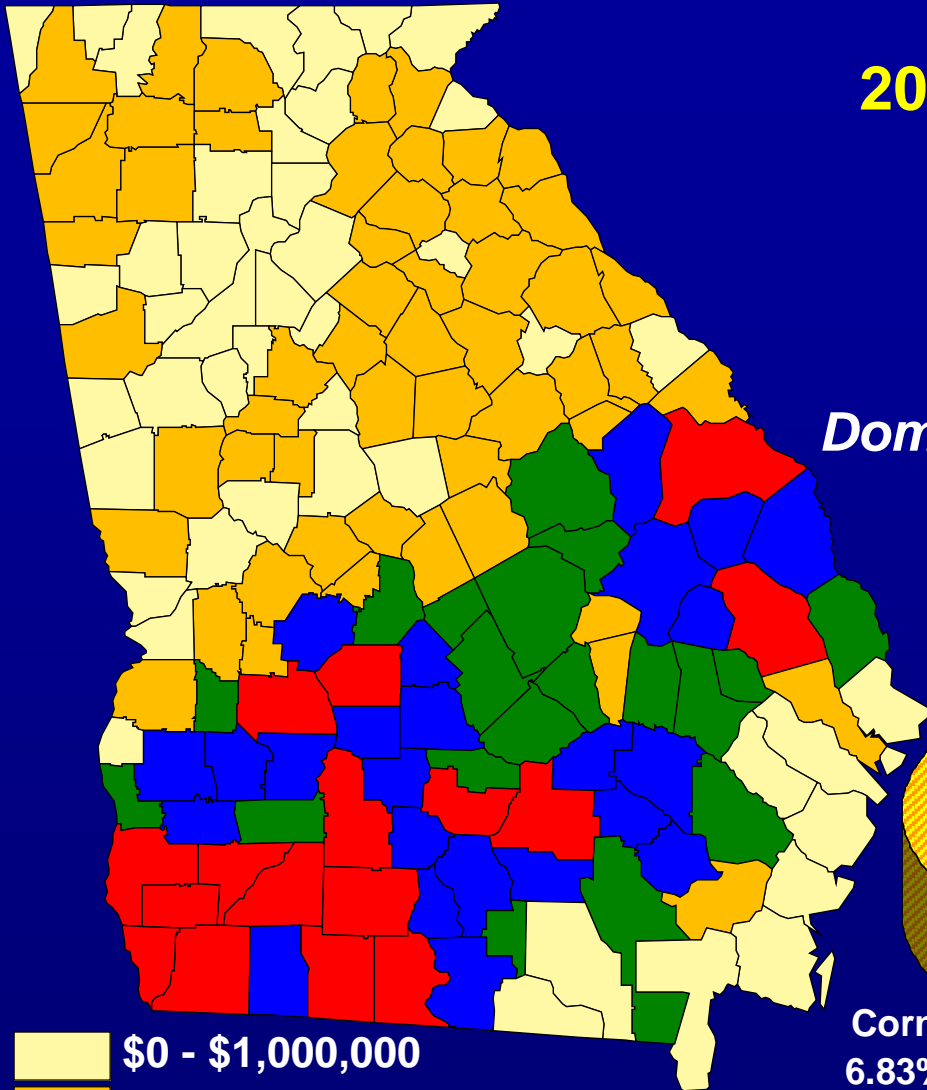
## 2006 Row & Forage Crops

Farm Gate Value

GA = \$1.5 billion

2005 = \$1.6 billion

*Dominate Crops Currently – High Value Food and Fiber*



# Plantings: Georgia and U.S.

Mix May Change Yr-to-Yr, new crops must provide competitive returns

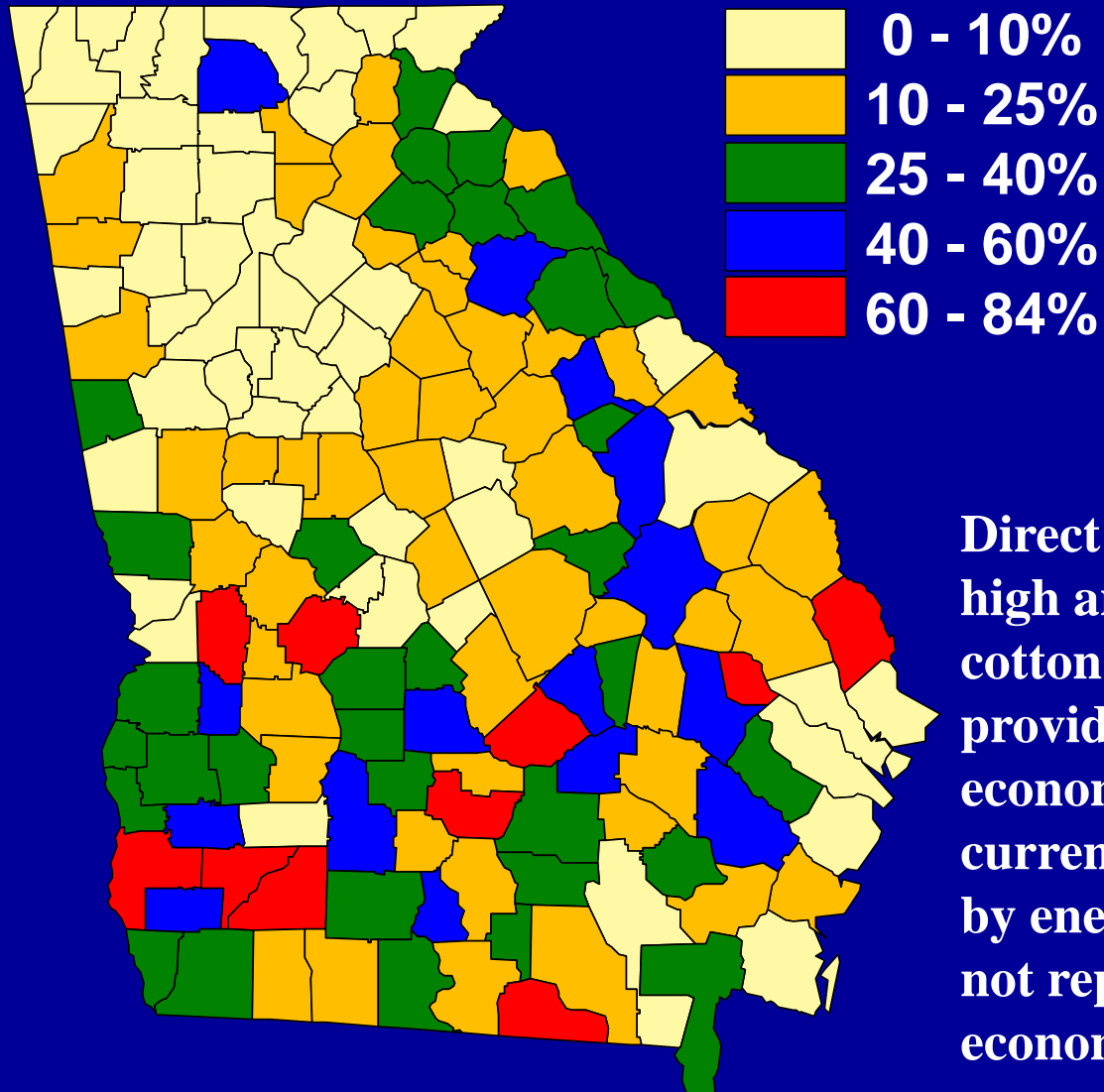
Produce about 50M Bushels, Use 250 M Bushels!

	GA 2007 1,000 Ac	GA 2006 1,000 Ac	GA %Chg	US 2007 1,000 Ac	US 2006 1,000 Ac	US %Chg
Corn	530	280	+89.3%	92,888	78,327	+18.5%
Cotton	1,050	1,400	-25.0%	11,058	15,274	-27.6%
Hay	600	650	-8.7%			+1.6%
Peanuts	520	580	-10.3%	1,187	1,243	-4.5%
Sorghum	55	40	+37.5%	7,765	6,522	+19.1%
Soybeans	220	155	+41.9%	64,081	75,522	-15.1%
Tobacco	20	17	+17.6%	356	338	+5.3%
Wheat	400	230	+73.9%	60,505	57,344	+5.5%

Increased Corn Acreage came at expense of Cotton

Ga. Typical of Deep SE States, Mid-South more Corn and Beans, Examples : Tenn. 780 TA Corn & 1,050 TA Beans, NC - 1,030 TA Corn & 1,375 TA Beans

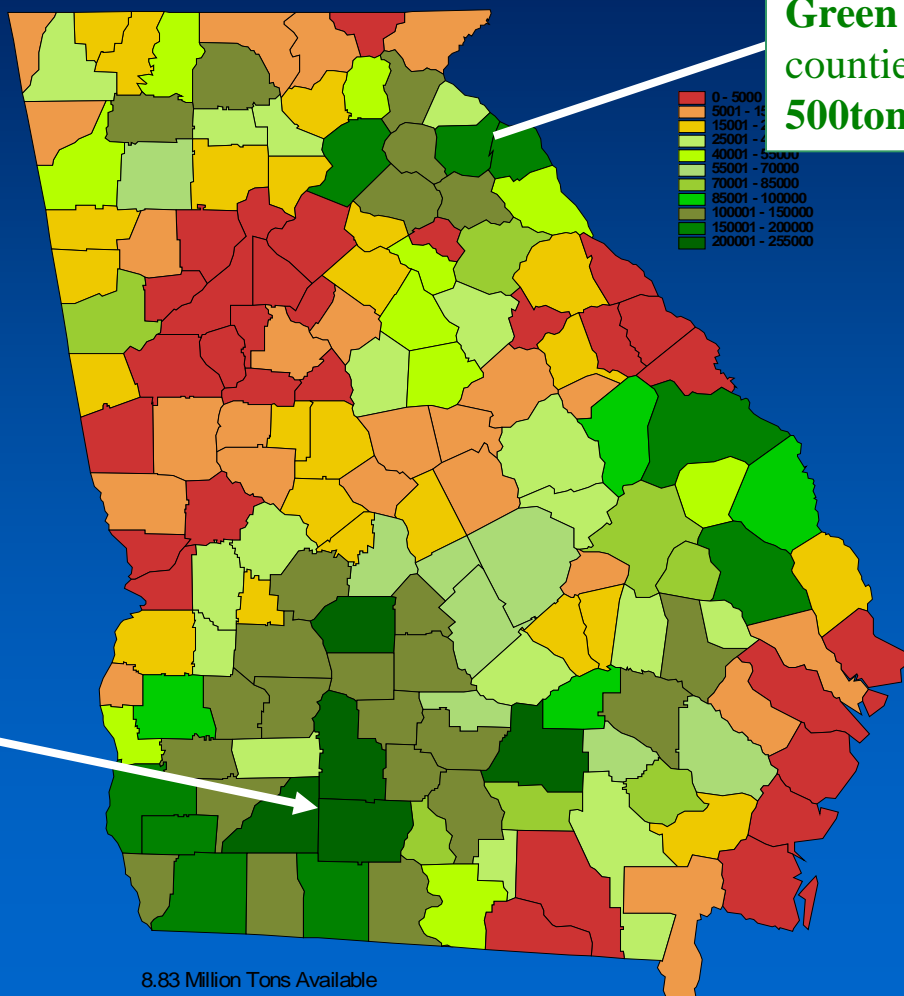
# Food and Fiber Production and Directly Related Manufacturing *IMPACT* as % of Total Output



Direct processing and high annual inputs of cotton and peanuts provides much local economic impact currently. If replaced by energy crops, may not replace total local economic impact!

# Status - Total Agricultural By Product

## Biomass Produced 2006 - 8.83 MT



Green – 10  
counties  
500tons/day

Green – 10  
counties  
500tons/day

0 - 5000
5001 - 15000
15001 - 25000
25001 - 40000
40001 - 55000
55001 - 70000
70001 - 85000
85001 - 100000
100001 - 150000
150001 - 200000
200001 - 255000

9 Primary Ag  
By-Products –  
Peanut Hulls to  
Poultry Litter

*2 BTU value  
less than coal*

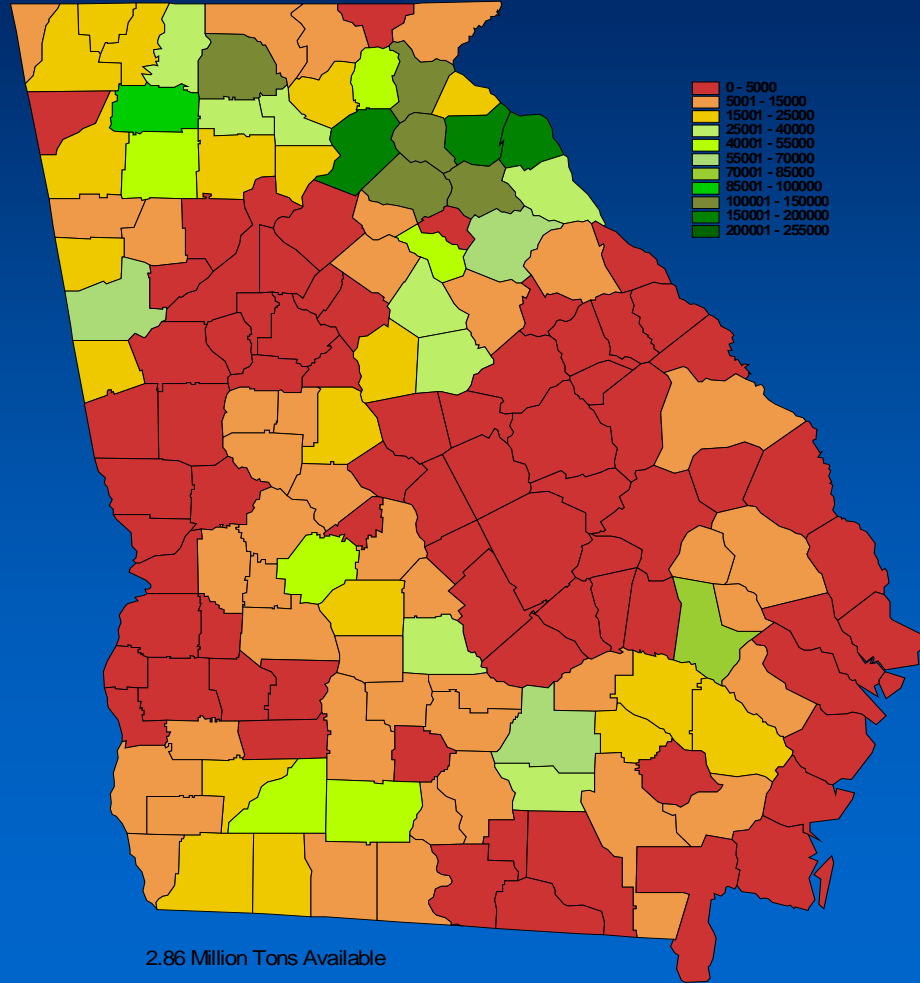
*7 BTU value  
less than NG*

*9 BTU value  
less than Petro.*

# Total Agricultural By-Product Biomass Produced Less Than \$25/ton

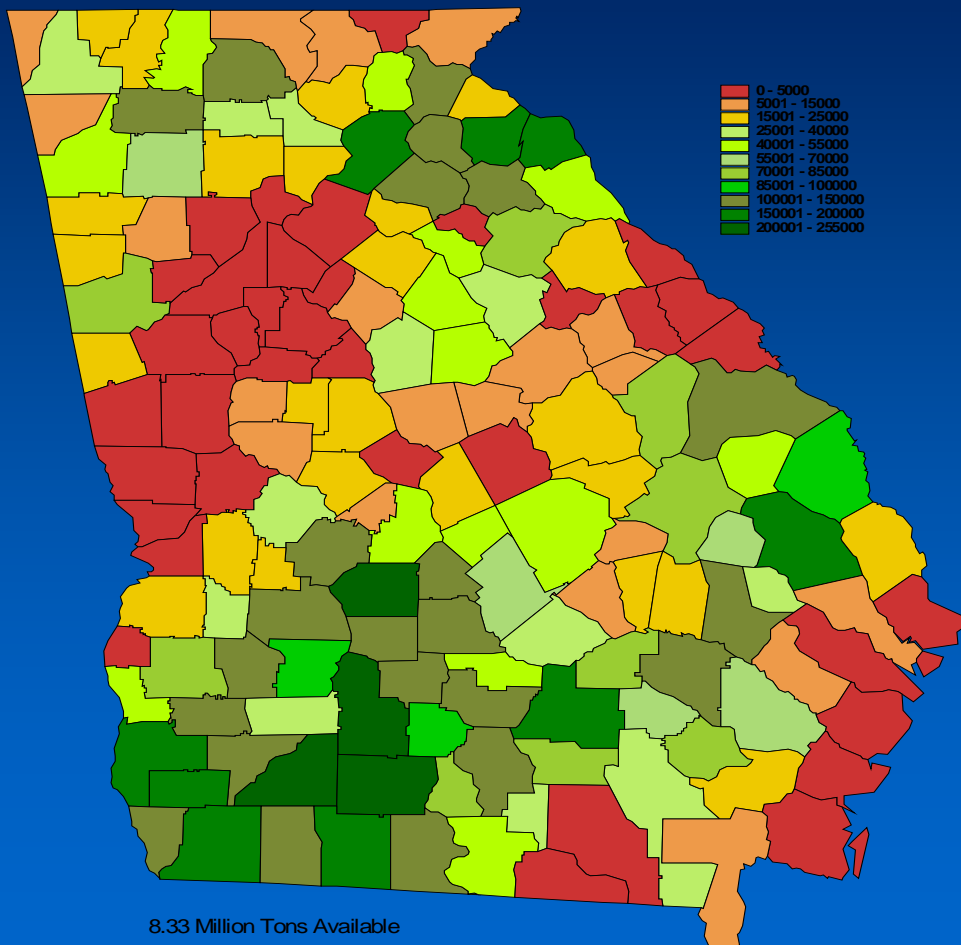
## 2006 - 2.86 Million Tons

Estimated Biomass Available from Ag-Related Sources (Tons)  
At a Cost of \$25/ton or less



# Total Agricultural By- Product Biomass Produced Less Than \$65/ton 2006 - 8.33 Million Tons

Estimated Biomass Available from Ag-Related Sources (Tons)  
At a Cost of \$65/ton or less



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Presented by:  
John C. McKissick

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