Georgia’s Agricultural Biomass Production and Potential

Presented by:
John C. McKissick

The Center for Agribusiness and Economic Development
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

$0 - $1,000,000
$1,000,000 - $5,000,000
$5,000,000 - $15,000,000
$15,000,000 - $30,000,000
$30,000,000 - $55,000,000

Cotton 49.62%
Peanuts 21.39%
Corn 6.83%
Barley 0.01%
Wheat 2.31%
Tobacco 3.68%
Straw 1.64%
Silage 2.04%
Soybeans 1.75%
Sorghum 0.29%
Rye 0.69%
Hay 8.66%
Oats 0.42%
Other 0.68%
<table>
<thead>
<tr>
<th>CROP</th>
<th>GA 2007 1,000 Ac</th>
<th>GA 2006 1,000 Ac</th>
<th>GA %Chg</th>
<th>US 2007 1,000 Ac</th>
<th>US 2006 1,000 Ac</th>
<th>US %Chg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn</td>
<td>530</td>
<td>280</td>
<td>+89.3%</td>
<td>92,888</td>
<td>78,327</td>
<td>+18.5%</td>
</tr>
<tr>
<td>Cotton</td>
<td>1,050</td>
<td>1,400</td>
<td>-25.0%</td>
<td>11,058</td>
<td>15,274</td>
<td>-27.6%</td>
</tr>
<tr>
<td>Hay</td>
<td>600</td>
<td>650</td>
<td>-8.7%</td>
<td>61,789</td>
<td>60,807</td>
<td>+1.6%</td>
</tr>
<tr>
<td>Peanuts</td>
<td>520</td>
<td>580</td>
<td>-10.3%</td>
<td>1,187</td>
<td>1,243</td>
<td>-4.5%</td>
</tr>
<tr>
<td>Sorghum</td>
<td>55</td>
<td>40</td>
<td>+37.5%</td>
<td>7,765</td>
<td>6,522</td>
<td>+19.1%</td>
</tr>
<tr>
<td>Soybeans</td>
<td>220</td>
<td>155</td>
<td>+41.9%</td>
<td>64,081</td>
<td>75,522</td>
<td>-15.1%</td>
</tr>
<tr>
<td>Tobacco</td>
<td>20</td>
<td>17</td>
<td>+17.6%</td>
<td>356</td>
<td>338</td>
<td>+5.3%</td>
</tr>
<tr>
<td>Wheat</td>
<td>400</td>
<td>230</td>
<td>+73.9%</td>
<td>60,505</td>
<td>57,344</td>
<td>+5.5%</td>
</tr>
</tbody>
</table>

*Primary data source: Plantings, June 2007, NASS*
Food and Fiber Production and Directly Related Manufacturing \textit{IMPACT} as \% of Total Output
Status - Total Agricultural Biomass Produced 2006 - 8.83 MT

**Estimated Biomass Available from Ag-Related Sources (Tons)**
- 8.83 Million Tons Available

**9 Primary Ag By-Products**
- 2 BTU value less than coal
- 7 BTU value less than NG
- 9 BTU value less than Petro.

Map showing distribution of agricultural biomass across different regions with color-coding for biomass availability.
Total Agricultural Biomass Produced Less Than $25/ton 2006 - 2.86 MT

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

2.86 Million Tons Available
Total Agricultural Biomass Produced Less Than $65/ton 2006 - 8.33 MT

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

8.33 Million Tons Available
Georgia’s Agricultural Biomass Production and Potential

Presented by:
John C. McKissick

The Center for Agribusiness and Economic Development
www.caed.uga.edu

College of Agricultural and Environmental Sciences
The University of Georgia