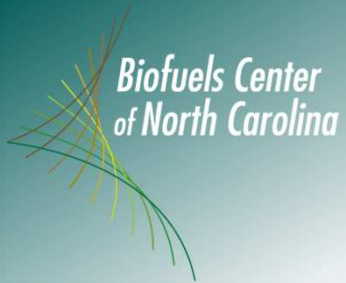


Jack Swanner
Director of Forestry
Biofuels Center of North Carolina

NC Sustainable Energy Conference

April 26, 2011



Biofuels Center Mission

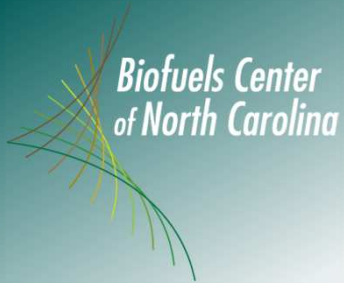
"By 2017, 10 percent of liquid fuels sold in North Carolina will come from biofuels grown and produced within the State."

North Carolina's Strategic Plan for Biofuels Leadership





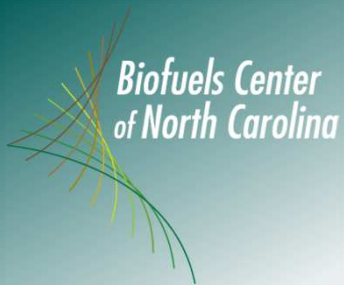
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Renewable Fuels Standard One

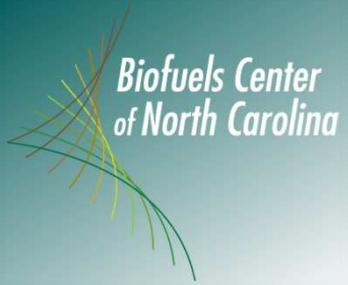
- ❑ Corn Ethanol
- ❑ Biodiesel



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Biochemical Process

- ❑ Cellulosic Ethanol
- ❑ Grasses
- ❑ Energy Canes

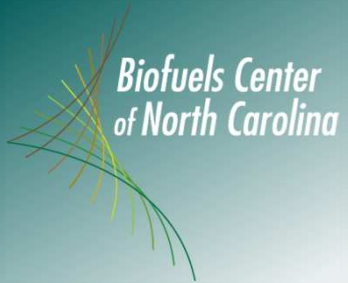


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Chemical/Thermochemical Process

□ Woody Biomass



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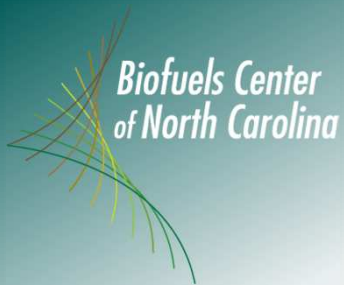
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Eastern Cottonwood

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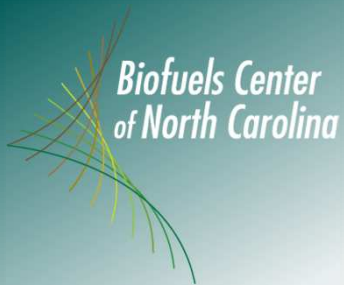


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Necessary Land to Meet RFS2 and RPS

- ❑ Projected Land Need by 2030
- ❑ 20-40 million acres of energy grasses and wood





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Steps to Success

- ❑ Financing
- ❑ Adequate Feedstocks
- ❑ Commitment to Biofuels



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of North Carolina*