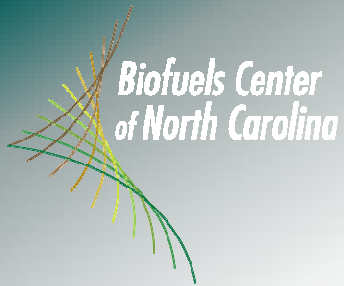


Jack Swanner
Director of Forestry
Biofuels Center of North Carolina

Cape Fear Arch Regional Meeting

February 17, 2011



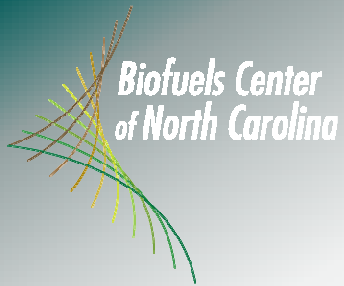
Biofuels Center of North Carolina

Biofuels Center Goal

- 600 Million gallons by 2017



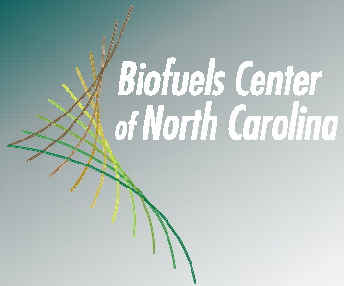
BIOFUELSCENTER.ORG



Biofuels Center of North Carolina

Renewable Fuels Standard One

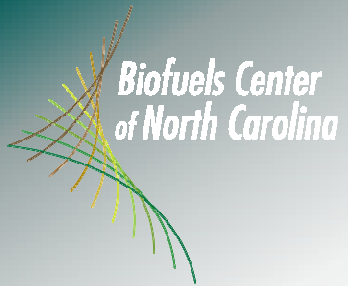
- ❑ Corn Ethanol
- ❑ Biodiesel



Biofuels Center of North Carolina

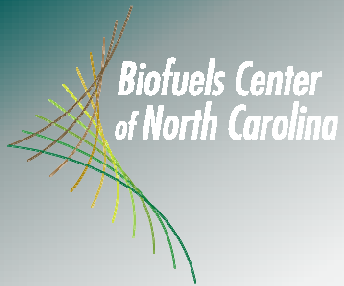
Biochemical Process

- ❑ Cellulosic Ethanol
- ❑ Grasses
- ❑ Energy Canes



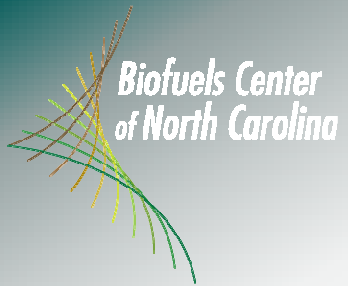
Biofuels Center of North Carolina





Chemical/Thermochemical Process

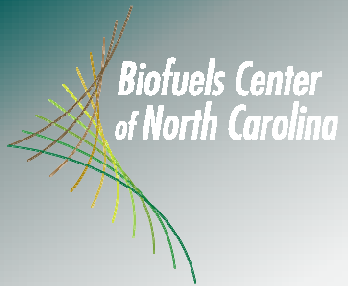
- Woody Biomass



Biofuels Center of North Carolina



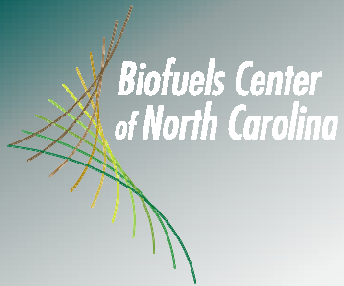
BIOFUELSCENTER.ORG



Biofuels Center of North Carolina



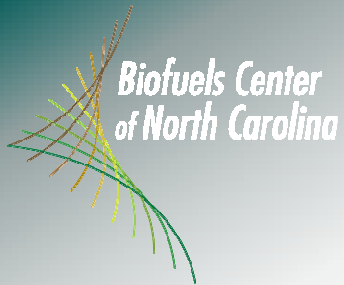
BIOFUELSCENTER.ORG



Biofuels Center of North Carolina

Necessary Land to Meet RFS2 and RPS

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



Biofuels Center of North Carolina

Steps to Success

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

