DuPont and Next Generation Biofuels

Michael Parr

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Where We Started - Bio-Based Materials

→ Bio-PDO from corn rather than petroleum
→ Successful startup at Loudon, Tennessee
→ Sorona® expansions



The Dawn of Industrial Biotech



DuPont Biofuels Strategy: 3 Segments

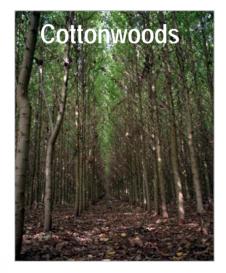
1. Seeds and Crop Protection: Commercial Products + Strong Pipeline

- 2. Cellulosic Ethanol: Developing new enabling technology
- 3. Bio-butanol: Supplementing ethanol with a high energy density, user-friendly fuel



Multiple Feedstocks are in the Future of Biofuels Production



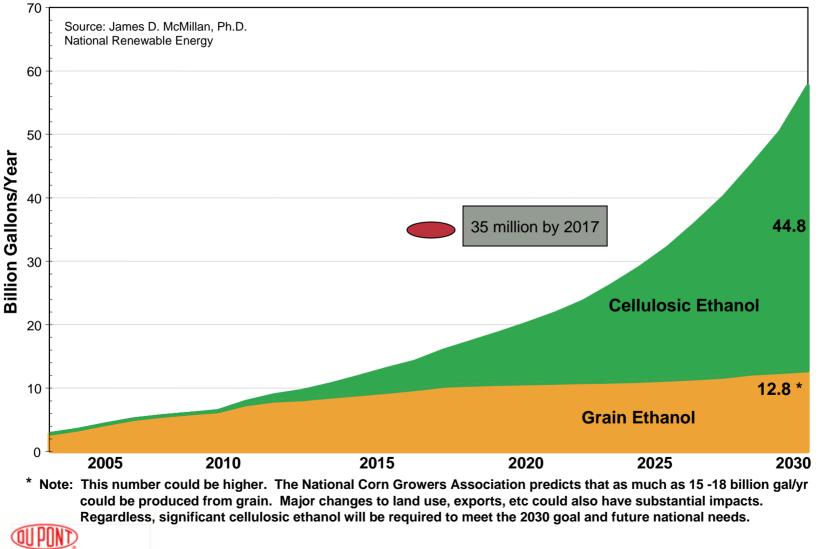






Reaching 60 Billion Gallons of Biofuels by 2030

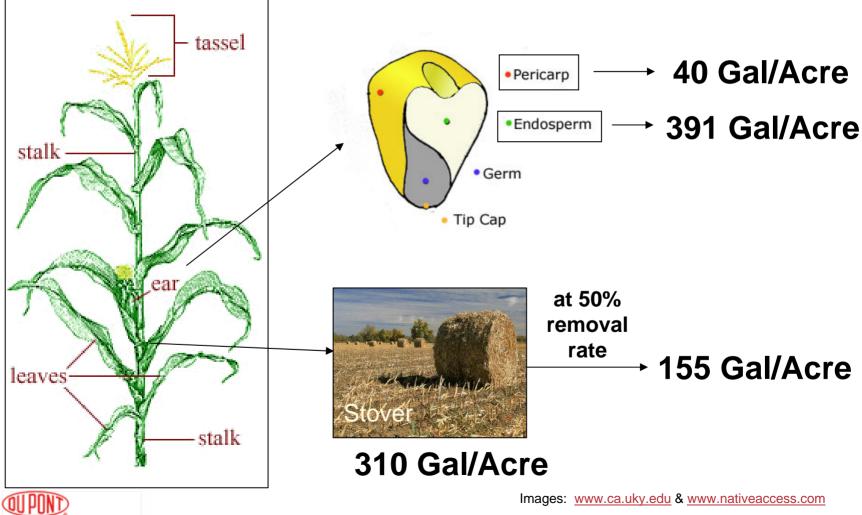
A Scenario for Growth of Ethanol to Supply 30% of 2004 U.S. Gasoline Demand by 2030



The miracles of science-

Cellulosic Ethanol From Corn Stover:

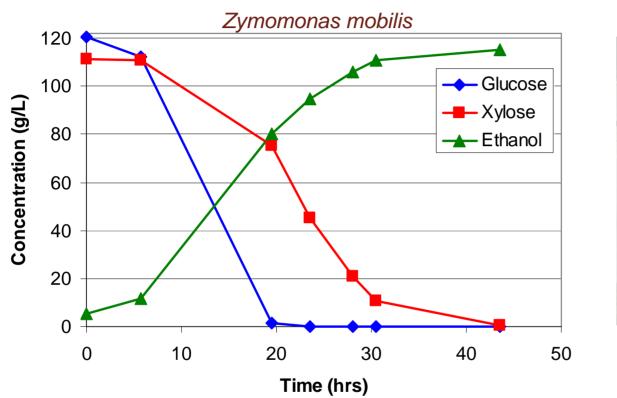
Developing Enabling Technology, Employing Exiting Infrastructure



The miracles of science~

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Advancing Cellulosic Ethanol Fermentation





Enabling Technology: Conversion of C5 (xylose) and C6 (glucose) sugars at cost effective yields, rates and concentrations



Biobutanol: Next Generation Biofuel

Start with a blank sheet of paper – what would you want an advanced biofuel to be?

- High energy density?
- Easy to handle and blend?
- Less corrosive?
- Produced from many feedstocks?
- Cost competitive with ethanol?

And biobutanol is entirely compatible with ethanol.









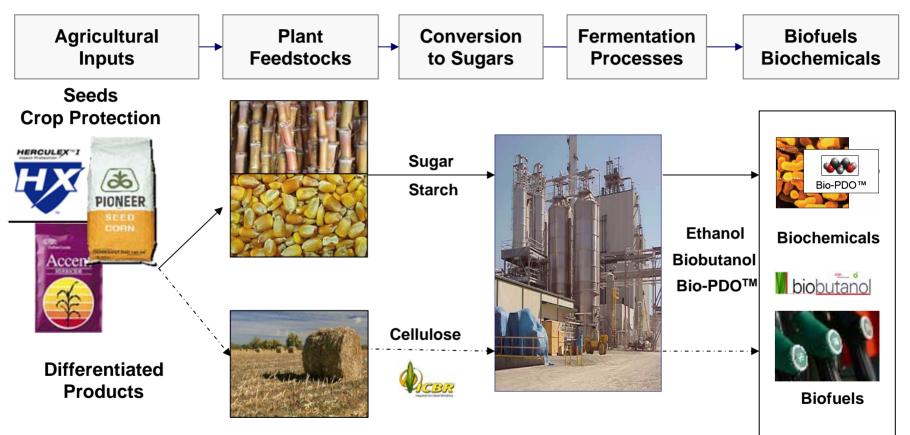


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DuPont BioFuels Strategy

Carbohydrates to Fuels & Chemicals



Differentiated Strategy: Unique Technologies Across the Value Chain

