Energy Corntm for Cellulosic Ethanol

NREL Industry Growth Forum Denver, Colorado 7 November 2007

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Edenspace: A Track Record of Success

- Improved crop feedstocks for cellulosic ethanol
- Superb development team includes NREL, USDA, ICM, KSU, MSU, and OSU
- \$2.8 million in U.S. Department of Energy funding with large downstream opportunities
- \$2.5 million founder investment
- \$10 million 2007 Series A funding round relocates and expands the company and funds Energy Corntm development
- Strategic partner Series B round planned for Fall 2008

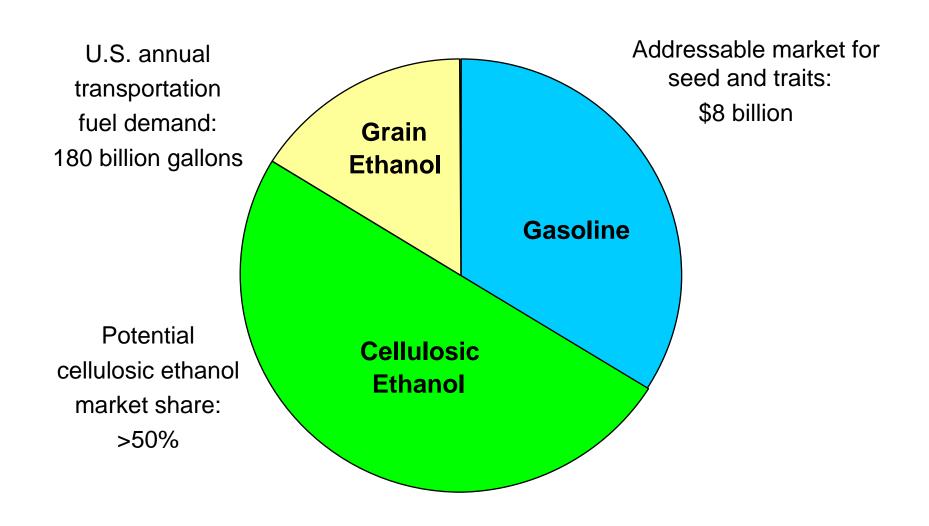






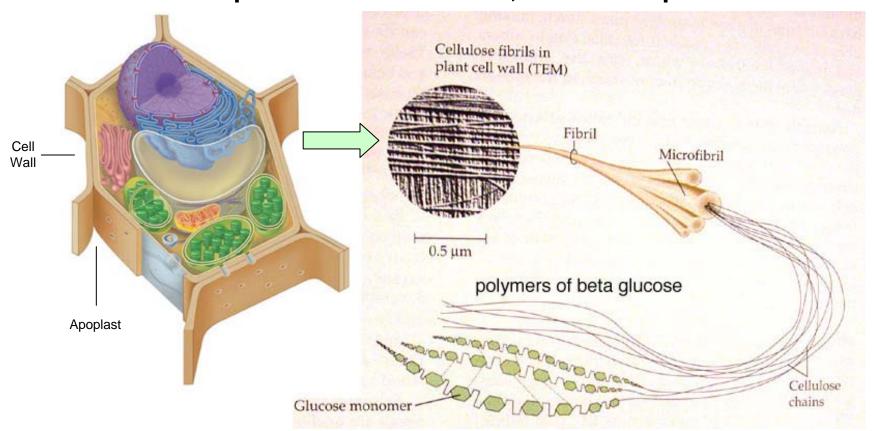


The Opportunity

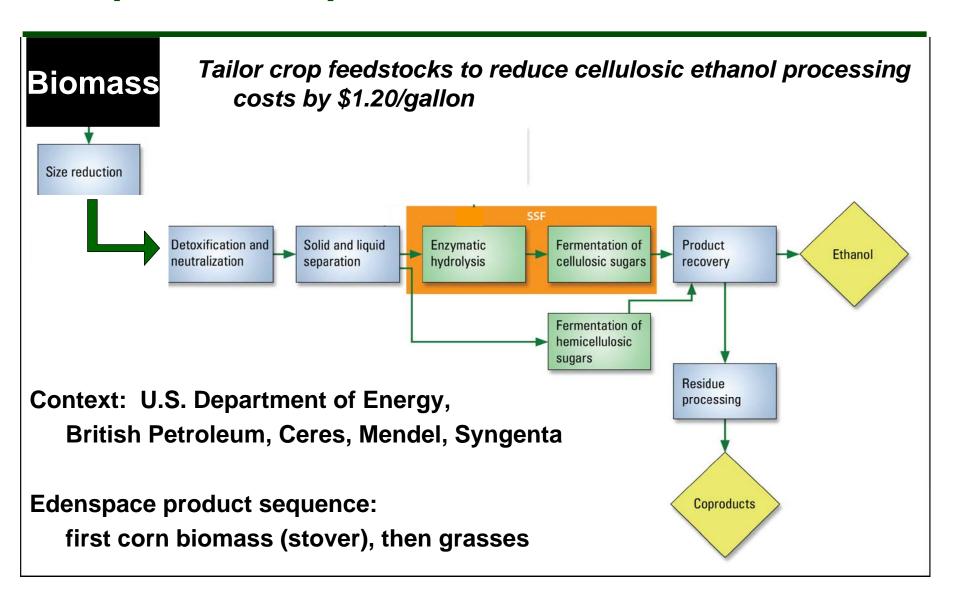


Stored Energy in Plants

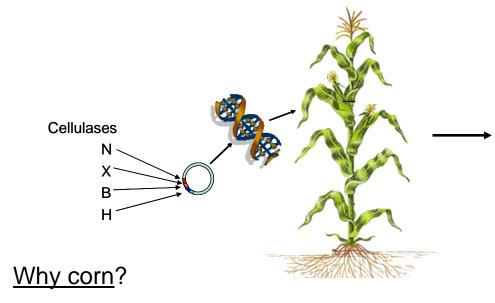
Cellulose makes up most of the cell wall, but is well-protected.



Improved Crops for Lower-Cost Ethanol



Energy Corntm Design



- Plug-compatible with current
 \$10B corn grain ethanol industry
- Easy and safe to breed and grow
- Can be improved every year



Superb Technical Results

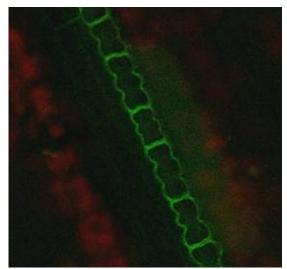


Photo courtesy of M. Sticklen



Excellent plant health

Targeted enzyme expression and activity



2006 Edenspace field trial

Edenspace Competitive Advantages

- Potential competitor-customer-partners
 - Enzyme suppliers (e.g., Novozymes, Genencor)
 - Agbiotech companies (e.g., Syngenta, Monsanto, DuPont; Ceres)
- Edenspace competitive advantages
 - Strong technical results, intellectual property
 - Compelling market sequence strategy starting with corn
 - Top industry/government/university development team
 - Location in "Biofuels Belt"

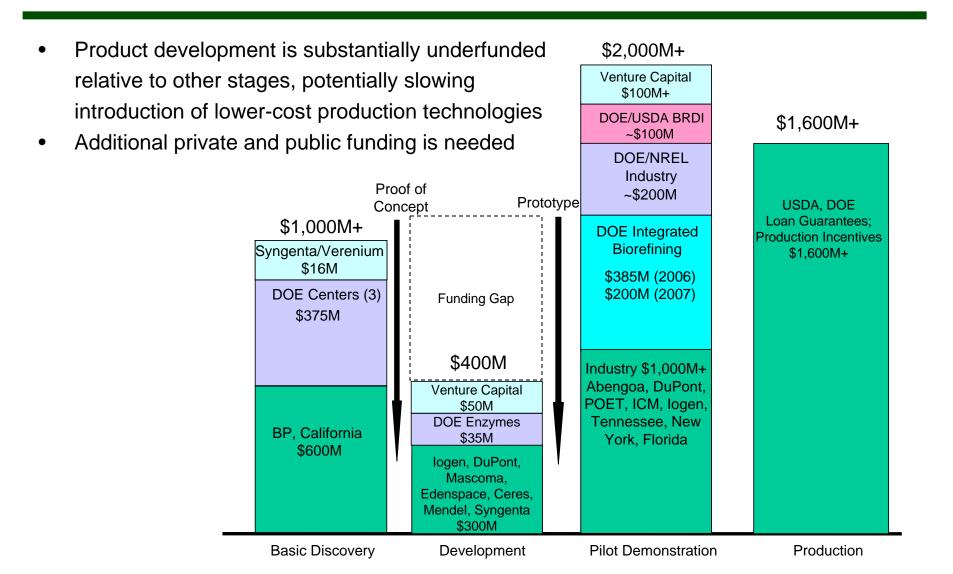
Experienced Energy Corntm Team

- Chairman, President, CEO <u>Bruce W. Ferguson</u>. Co-founder and former COO, Orbital Sciences Corporation (NYSE: ORB)
- **VP, Systems Engineering** <u>Dr. Michael J. Blaylock</u>. Former Laboratory Director, Phytotech; Postdoc, Rutgers University; PhD U. Maryland
- VP Finance and CFO Wayne E. Mayhew III. Former CFO, Etex; CFO, Creative Biomolecules; accountant, Deloitte & Touche. CPA
- Director, Molecular Biology <u>Dr. David A. Lee</u>. Former AAAS Fellow, USEPA, transgenic plant regulation. PhD U.C. San Diego
- Director, Crop Engineering <u>Dr. Ramesh B. Nair</u>. Formerly at Iowa State U. Dep't of Plant Biology; Pioneer Hi-Bred; Purdue University. PhD U. Saskatchewan
- **Director, Corn Transformation** Martha C. Wright. (PT) Headed plant transformation at Syngenta; formerly at Monsanto
- Manager, Crop Breeding <u>Curtis C. Wiltse</u>. Former Seed Quality Lead & Corn Breeding Associate, Monsanto

Energy Corntm Team (cont.)

- Outside Directors
 - Adm. Richard H. Truly Former Director, NREL
 - Dr. Harrison H. Schmitt Former U.S. Senator and energy author
 - Mr. Kenneth Frahm Kansas farmer and State Energy Council Co-Chair
- Technology Advisory Board: <u>Vicki Chandler</u> (corn genetics), <u>Bruce Dale</u> (biomass pretreatment)
- Collaborating Institutions: DOE-NREL, USDA-ARS, ICM, Inc., Kansas State University, Michigan State University, Oklahoma State University,

"Valley of Death" for Cellulosic Ethanol



Edenspace 2008 Milestones

- DOE Integrated Biorefinery Grant Awards (February)
- Phase B Design Review (June)
- Strategic Partnership, Series B Funding Round (Fourth Quarter)

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