

Customer Breakout Session II: 8:50-10:00 AM, Wednesday, September 19, 2007

Group:	Conversion and Co-products 1
Facilitator:	Mike Cotta
Recorder:	David Johnston
Presenter:	Kristi Fjare

(List the points raised by the group. Use bullets.)

For your Component, what should be the Sub-Components?

Please make Sub-Components clear, concise and unambiguous

Recommended Sub-Components (in priority)	Relative Weight
Distillers grains utilization	6
Lifecycle analysis/Process efficiency	5
Compatibility with modern diesel technology; Quality assurance; Improved cold flow and oxidative stability	5
Thermochemical conversion of agricultural products and biorefinery coproducts	5
Process flexibility / robustness	4
Engineering of low capital cost cellulose conversion units	3
Field analytical tools	3
Improved starch to ethanol process technologies	2
Identify cellulosic feedstock that effectively converts to ethanol	1
Optimize cellulosic pretreatment and fermentation	
Value added coproducts	

For each sub-component, recommend research partnerships that ARS should continue or explore with external institutions (e.g., other Federal agencies, universities, National Labs, and/or industry) – please record on flipcharts

Common Themes

Coproducts

Lifecycle analysis

Process flexibility or robustness

Biodiesel

Improved cold flow and oxidative stability

Compatibility with modern diesel technology

Quality assurance

Starch to ethanol

DDGS utilization and quality (any distillers grains)

Improved process technologies

Development of a variety of coproducts

Cellulose to ethanol

Engineering of low capital cost conversion units

Assess tradeoff between scale, efficiency and cost

Identify cellulosic feedstock that affectively converts to ethanol

Optimize cellulosic pretreatment

Field analytical tools

Thermochemical conversion of agricultural products and biorefinery coproducts