

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

Group:	Feedstock Development (1)
Facilitator:	Ed Richard
Recorder:	Michael Casler/Jeff Pedersen
Presenter:	Jeff Dahlberg

*For your Component, what should be the Sub-Components?*  
**Please make Sub-Components clear, concise and unambiguous**

<b>Recommended Sub-Components (in priority)</b>	<b>Relative Weight</b>
Water & nutrient use Improved water use efficiency (drought tolerance) Improved water quality (nutrient uptake)	15
Improved yields of: Biomass Conversion efficiency & quality Co-products Technology to measure composition	7.5
Risk assessment of feedstocks Weedy traits Native / non-native GMOs Gene flow	7.5
Regional feedstock issues Environment & stresses Annual vs. perennial Multiple/dual use crops Germplasm for just-in-time harvesting systems	5
Germplasm vulnerability Disease Insects Genetic diversity	5
Genetic tools for crop improvement Selection Gene transfer	5
Symbiosis Soil microorganisms	5

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

**Partnerships:**

- Abengoa
- Iogen
- ICM
- Ceres
- Pioneer
- Monsanto
- Syngenta
- Bayer
- Small Companies
- Universities
- USDA (all agencies)
- DOE
- DOT
- DOD
- International