

Group:	Cellulosics to EtOH/BuOH(2)
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Presenter:	Chris Cassidy

*For each of the three major Components, what should be the ARS research priorities over the next five years?*

**Please make priorities clear, concise and unambiguous  
Please list highest priority at the top**

▪ **Feedstock Development (maximum of 10)**

Crop yield and fuel yield
Assay methods for fuel quality
Risk – invasives and transgenics

**Relative weight (0-10)=**

▪ **Feedstock Production (maximum of 10)**

Sustainability – environmental, energy, carbon, economics
Feedstock logistics (harvesting, storage, transportation, materials handling, pre-processing)
Agronomic management systems
Community and grower socio-economics readiness to accept bio-refinery

**Relative weight (0-10)=**

▪ **Conversion & Co-Products (maximum of 10)**

Overcoming recalcitrance especially for liquid fuels (biochemical)
Co-products
Feedstock requirements for specific platform
Conversion issues

**Relative weight (0-10)=**

Overriding

- Systems integration
- If not a co-product it is a waste
- Life cycle analysis