

Group:	Starch & Sugar-Based ETOH/BuOH
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Recorder:	Ed Richard/Jeff Pedersen
Presenter:	Steve Lewis

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)**

Target traits for crop developers
Knowing what traits should be targeted as early as possible
Maintain an emphasis on strong biology programs to support feedstock Development
Development of alternative feedstocks – sugarcane, sorghum, integration of biorefinery model
Impact of grain prices on livestock production - nutrient utilization and higher yielding germplasm
Mycotoxin resistant germplasm

Relative weight (0-10)=4

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

Need ongoing lifecycle analysis and tools to improve environmental assessment

Relative weight (0-10)=2

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

Need ongoing lifecycle analysis and tools to improve environmental assessment
DDGS utilization and quality – S, P, meat quality, fiber, fat
Improved process technologies and economics for grain-based EtOH
More diverse co-products from EtOH plants

Relative weight (0-10)=4