

INTERNAL ARS SCIENTISTS BREAKOUT SESSION I

FEEDSTOCK DEVELOPMENT

Identify problem areas for Action Plan

Germplasm development & assessment Cultivar development & evaluation YIELD Breeding for quality traits Quality of co-products and residues Plant protection – biotic stresses Collection & characterization Looking for traits High throughput phenotyping Regional feedstocks Risk analyses New genetic resources
Plant development / basic research Experimental design New breeding methodologies Use of markers in perennial species Developing new genetic tools Plant physiological investigations Cell wall structure, composition, and degradation Understanding abiotic stress Discovery of co-products

- Identify teams and team leaders to write portions of the Action Plan

Mike Casler (Leader) Jeff Pedersen Bill Anderson
Gautam Sarath Christian Tobias Paul Scott Joe Burton

- Identify ARS locations involved

Germplasm development & assessment: Lincoln, St. Paul, Houma, Tifton, Stillwater, Raleigh, Logan, Madison, Ames, Dawson
Plant development / basic research Albany, Ithaca, Lincoln, St. Paul, Madison, Ames, Stoneville, Athens, Columbia Urbana, Logan

- Identify links to other ARS national programs

301 Plant Genetics and Genomics
302 Plant Biological and Molecular Processes
303 Plant Disease
304 Crop Protection
306 Bioproducts
205 Range Pasture & Forages

- **Identify external partnerships**

DOE
NRCS Plant Materials
Universities
APHIS
National Invasive Species Council
Plant Biotech
Private Industry
NGOs
DOD
International Partners

- **If time permits, identify research objectives**

Out of time
