

Please provide a 1-3 sentence description of your organization.

**Forest Service R&D** conducts the research and helps provide the science and technology to sustainably manage and use America's forest and range resources. It is the leading, and the largest, forestry research organization in the world. Forest Service research laboratories are located across the nation, in almost every state and U.S. territory.

Relative to bioenergy, what are your top problems and what research products (or what researchable questions to which you need answers) would help you solve these problems?

Low-cost, sustainable woody feedstocks in sufficient quantity to help meet America's renewable energy needs. We are providing data on woody biomass availability and distribution, reducing production costs, and ensuring sustainable forest production systems. Cost effective conversion technologies for biofuels and other biobased products from woody biomass. We are developing new technologies on high-value uses for small diameter wood and biomass, and improving conversion options for woody biomass to energy and other products. Decision tools for management and use of forest biomass. We are providing the information for resource managers, mill managers, and policy makers to use in producing and using woody biomass for as a renewable feedstock for energy and other products.

What do you think ARS' top bioenergy research priorities should be (no more than five, please)?

- ◆ Developing sustainable production systems for agricultural energy and bioproducts feedstocks.
- ◆ Research technologies for converting agriculture-based material to biofuels.
- ◆ Improving agricultural feedstock supply through genetics, genomics, and biotechnology.
- ◆ Understanding and modeling long-term sustainability for agricultural systems.

**Additional customer service questions:**

What might ARS do to serve its customers/stakeholders better?

Collaborate with other agencies on sustainability, production, and conversion activities and help transfer the information more collectively.

What, in particular, about ARS would lead you to recommend ARS to someone else looking for similar research products?

Outstanding information transfer system and program depth. Expertise in agriculture research.