

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

In addition to branded chicken, **Perdue** is a back-integrated agribusiness operating grain elevators, feed mills, soybean crush facilities, and fat rendering plants. Its facilities are concentrated in the Mid-Atlantic region.

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

- ◆ High level assessment, characterization, and perhaps creation, of next generation biofuels from biomass (BTL and BTG).
- ◆ Help advance the technology and efficiency of first generation biofuels (chiefly ethanol and biodiesel) by researching feedstocks, standards, performance, and production efficiencies

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

- ◆ Development of biomass to liquid technology. This includes assessment of feedstocks, conversion technologies, safety, logistics, standards, efficiency, and performance.
- ◆ Development of biomass to gas technology.
- ◆ Support services for ethanol and biodiesel.
- ◆ Supply support services to evaluate new crop science

**Additional customer service questions:**

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

Only the ARS has the breadth of skills necessary to assess the potential for new bioenergy technologies. Ethanol and biodiesel industries have been developed off the existing corn and soybean infrastructure. Ag science needs to be coupled with conversion technologies in an iterative process to develop the next generation of biofuels. Only ARS has that capability today.