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ERS BIOENERGY RESEARCH PLANS 2007-08

ERS has a broad range of research on how agricultural markets and natural resources are and will be affected by the increased production of bioenergy. Planned ERS research on bioenergy encompasses all aspects of the ERS research mission, including economic and policy issues involving food, farming, natural resources, and rural development. Current and planned bioenergy research focuses on domestic and global crop and livestock markets; economywide, regional, and household effects of increased bioenergy production; natural resource, environmental, and rural community impacts; and implications for food prices. Current research areas include:

Bioenergy Long-Term Supply and Demand Factors

- Biofuels in USDA's Long-Term Agricultural Projections
- The Effect of Different Growth Patterns in the Demand for Ethanol on the Agricultural Sector: A Stochastic Analysis
- Demand for Ethanol: Implications for Alcohol Fuel Use of Corn

Impacts on Domestic Feed and Livestock Industries

- The Market for Distillers' Grains
- Animal Product Sector Adjustments to Rising Feed Costs Led by Corn

Bioenergy Policies: An Economywide Perspective

- Ethanol and Biodiesel: A National, Regional, and Farm Household Analysis Using a CGE Framework
- An Economy Wide Assessment of Long-Term Gains from Renewable Fuel Substitution

Bioenergy Policies: A Global Perspective

- Overview of Global Bioenergy Developments and Policies
- Global Biofuels Policies and Their Effects on Agriculture
- Economic and Environmental Implications of Biofuels Development and Production: A Global View and Implications for the United States



- Biofuel Development and Its Impact on Future Growth of China's Livestock Sector
- Energy Price and Food Security in Low-Income Developing Countries
- An Assessment of the Economics of Cellulosic Biomass
- Biofuels in Brazil: Markets and Policies

Impacts of Energy-Induced Land-Use Changes on Conservation Goals and Environmental Quality

- Biofuels and the Changing Agricultural Landscape
- Biofuels and the Conservation Reserve Program
- The Conservation Reserve Program: Environmental Benefits, Attributes, and Tradeoffs

Impacts of Bioenergy Development on Rural Communities

- The Geography of Ethanol Production and Local Economic Development
- Bioenergy and the American Farm

Effects of Higher Corn Prices on Retail Food Prices

- How Much Will Higher Corn Prices Increase Retail Food Prices?