



ERS BIOENERGY RESEARCH PLANS 2008-09

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
- An Assessment of the Economics of Cellulosic Biomass

Impacts on Domestic Feed and Livestock Industries

- The Market for Distillers' Grains
- Implications of Growing Biofuels Production on Feeding Livestock and Poultry

Bioenergy Policies: An Economywide Perspective

- Ethanol and Biodiesel: A National, Regional, and Farm Household Analysis Using a CGE Framework
- An Economywide Assessment of Long-Term Gains from Renewable Fuel Substitution
- Modeling Multi-Commodity and Gasoline Market Impacts of U.S. Biofuels Policies

Bioenergy Policies: A Global Perspective

- The Future Role of Biofuels: A Global Perspective
- Analyzing the Impacts of Bio-Fuel Mandates on the World Grain, Livestock, and Oilseed Sectors
- Economic and Environmental Implications of Biofuels Development and Production: A Global View and Implications for the United States
- Biofuel Development in China: Policies, Growth Potential, and Impacts on Agricultural Production
- Energy Price and Food Security in Low-Income Developing Countries
- Biofuels in Brazil: Markets and Policies
- Global and National Integrated Framework and Data System for the Bioenergy Economy



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

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 Do Higher Corn Prices Increase Retail Food Prices?

