

# SUSTAINABILITY

Economists in  
CARD and the  
Department of  
Economics  
engage in  
research and  
education that  
is related to all  
3 pillars of  
sustainability.

## ECONOMIC

### Trade and Agriculture

Examining trade agreements to determine affects on:

- commodity prices
- food production and consumption
- governmental and societal costs

*Recent studies have measured the impact of TPP on US agriculture, Chinese agricultural policy liberalization, and border adjustments on US agricultural trade.*

### Science and Technology

Improving our understanding and identification of:

- the roles of public policy and market institutions in fostering innovation and economic growth
- appropriate R&D strategies

*Recent studies have investigated the complementarity between glyphosate tolerant soybeans and conservation tillage, the incentive effects of intellectual property rights, and the scope for mandate policies to promote environmental innovation.*

## ENVIRONMENTAL

### Biorenewables

Examining policies related to biorenewables and the affects on:

- land-use change
- food and fuel prices
- soil quality

*Recent studies have measured the impact of high commodity prices on conversion of land to agriculture around the world and the ability of the Renewable Fuel Standard to induce investment in high ethanol fuel blends.*

### Resource and Environmental

Examining policies with wide ranging effects on our environment and natural resources such as the:

- Conservation Reserve Program
- Clean Water Act

*Recent studies have looked at the value of improving water quality in Iowa lakes and streams, costs of adopting conservation actions to address the Gulf hypoxia, and the effects of clean water on housing prices.*

## SOCIAL

### Food and Nutrition

Analyzes how current and proposed policies affect:

- food consumption
- food safety
- nutrition and
- food assistance programs

*Recent studies have looked at food program design, use of food assistance programs, food safety, and antimicrobial resistance risks and costs.*

### Agricultural Risk Management

Assessing socio-economic impact of government policies related to:

- crop insurance
- price and revenue supports

*Recent studies estimate how land use decisions and environmental outcomes are impacted by policies designed to reduce financial risk in agriculture. CARD research has led to new explanations for how farmers view and manage financial risk.*