



Delaware Science  
and Technology  
Council

Agriculture and  
Natural Resources  
Segment

October 4, 2005

## Existing DE Plan for Research in Agriculture and Natural Resources

- Goal 1. An agricultural system that is highly competitive in the global economy
- Goal 2. An agricultural system that protects natural resources and the environment
- Goal 3. A safe and secure food and fiber system

## Existing DE Plan for Research in Agriculture and Natural Resources

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- Goal 1. An agricultural system that is highly competitive in the global economy
  - » Animal agriculture (poultry, animal husbandry, aquaculture)
  - » Plant agriculture (agronomic, vegetable, horticultural crop production)
  - » Risk management for agriculture

## Existing DE Plan for Research in Agriculture and Natural Resources

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- Goal 2. An agricultural system that protects natural resources and the environment
  - » Fate and remediation of nutrients, biologicals, organics, and metals in soil and water
  - » Biodiversity and ecosystem balance
  - » Land use and community development

## Existing DE Plan for Research in Agriculture and Natural Resources

- Goal 3. A safe and secure food and fiber system
  - » Food safety and food security concerns for commodities produced by Delaware agriculture

### Critical Zone for Agriculture



## The Planning Process

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- Re-inventory what we are doing

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- Then, consider new opportunities
  - » Alternative energy sources - corn and soybeans
  - » Poultry by-products
  - » Farm diversification

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- Then, consider new opportunities
- Then, weave the following into the plan
  - » Interdependence among disciplines
  - » International activities
  - » Linkages to human health

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- Then, consider new opportunities
- Then, weave the following into the plan
  - » Interdependence among disciplines
  - » International activities
  - » Linkages to human health
    - » Zoonoses
    - » Environmental impacts
    - » Obesity

## The Development of Centers

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- Existing agriculture-related centers
  - » Institute for Soil and Environmental Quality
  - » Water Resources Institute
  - » Northeast Center for Risk Management
- Centers under development
  - » Center for Avian Biosciences
  - » Center for Public Horticulture (and Landscape Design)
  - » Center for Suburban Biodiversity

## The Role of the Science and Technology Council

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- Think with us and provide ideas
- Critique what we are doing
- Assist with prioritizing
- Serve as a liaison with private and public sectors
- Promote the visibility and importance of agriculture and natural resource management/preservation
- Help us seek resources, particularly to support interfacial efforts

Critical Zone  
for  
Agriculture

