

## National Technology Focus Areas

### **On-Farm Research and Demonstration**

#### **Air**

- Research and demonstration projects that focus on reducing agricultural contribution to airborne soil particles, greenhouse gases, chemical spray drift, and odors.

#### **Animal**

- Research and demonstration projects that focus on adequate cover, food, and water for domestic and terrestrial wildlife; adequate cover, food, and favorable water temperatures for aquatic wildlife; and improving habitat conditions for declining populations of recognized threatened or endangered species.

#### **Energy**

- Research and demonstration projects that focus on the conservation or generation of energy used on working lands.

#### **Plants**

- Research and demonstration projects that focus on improving the quantity, diversity, health, and vigor of plants used on working lands and on improving habitat conditions for declining populations of recognized threatened or endangered plant species.

#### **Soil Erosion**

- Research and demonstration projects that focus on reducing erosion from sheet, rill, wind, and irrigation; ephemeral gully; stream bank or shore line; or road banks.

#### **Soil Quality**

- Research and demonstration projects that focus on improving soil organic matter, removing or preventing salinity and other soil contaminants from accumulating in the soil, improving or managing soil nutrient cycling, and mitigating compaction.

#### **Water Quality**

- Research and demonstration projects that focus on water-quality improvement by mitigating, disrupting, or preventing the impacts of nutrients, pesticides, sediments, salinity, or pathogens that enter surface or ground water.

#### **Water Quantity**

- Research and demonstration projects that focus on mitigating the effects of excess water, insufficient water, or inefficient use of water on working lands.

### **On-Farm Pilot Testing**

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### **Air**

- Pilot-proven but not widely adopted activities that focus on reducing agricultural contribution to airborne soil particles, greenhouse gases, chemical spray drift, and odors.

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