



How is USDA Research Working for South Dakota?

In FY 2012, South Dakota received:

- **\$3.8 million** from the Agriculture Research Service (ARS)
- **\$2 million** from the Agriculture and Food Research Initiative (AFRI)

Agriculture Research Investments in South Dakota

- South Dakota has **1 ARS research unit**:
 - Integrated Cropping Systems Research

Saltcedar is a non-native shrub that has invaded northern agricultural and grass lands, causing economic and environmental losses. Researchers at **South Dakota State University** are studying how saltcedar is adapting to the northern environment in order to prevent its further spread.

Augustana College received an AFRI grant to study the genes that regulate water use in tomato plants as a way to create a more drought-resistant tomato line.

Small Business Benefits in South Dakota

- South Dakota small businesses received **\$200,000** through the Small Business Innovation Research and Small Business Technology Transfer programs within USDA

In Brookings, **Brookings Biomedical** received an SBIR grant to scale-up their production of a more effective, less-expensive vaccine that would protect pigs against *E. coli* infection.

Agriculture Value in South Dakota

- South Dakota has **31,000 farms** that account for **\$10 billion in total commodities**, **\$3.6 billion in agricultural exports** and more than **63,000 jobs**
- U.S. public investments in agriculture research and development **produce benefit-cost ratios of 20:1 and higher**