



USDA Research is working for South Dakota



Supporting innovation

In FY 2013, South Dakota received **\$2.6 million in grants** from the Agriculture and Food Research Initiative (AFRI)

Researchers at **South Dakota State University** are studying how saltcedar, a non-native shrub that has invaded northern agriculture and grass lands, is adapting to colder temperatures 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.

Supporting small business

From 2004-2013, South Dakota small businesses received more than **\$700,000 in grants** through the Small Business Innovation Research program within USDA

In Brookings, **Dast LLC** is using SBIR funding to engineer bacterium capable of converting CO₂ into farnesene, a high energy density biofuel.

Economic Impact



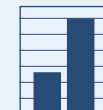
In 2011, agriculture and related industries added \$743 billion to the national GDP



Agriculture exports hit a record high of over \$140 billion in 2013



1 in 12 American jobs are associated with agriculture



U.S. public investments in agriculture research and development produce benefit-cost ratios of 20:1 and higher

South Dakota Agriculture

31,989 farms

\$10 billion in commodities

\$3.8 billion in agricultural exports

63,206 jobs



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Science Policy Office | 900 2nd St., NE, Suite 205, Washington, DC 20002
202.408.5558 | sciencepolicy@sciencesocieties.org

