



# USDA research is working for South Dakota

## Supporting innovation

In FY 2014, South Dakota received **\$2.5 million in new grants** from the Agriculture and Food Research Initiative (AFRI)

Fusarium Head Blight (FHB) is a destructive disease of wheat and barley. AFRI-funded researchers at **South Dakota State University** are working to better characterize a gene that provides FHB resistance in wheat in order to develop a resistant wheat variety.

**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 2005-2014, South Dakota small businesses received more than **\$1.3 million in grants** through the Small Business Innovation Research program within USDA

Fish oil is a key ingredient in aquaculture feeds, but is difficult and expensive to extract from wild-caught fish. In **Brookings, Dast LLC**, is using SBIR funding to develop a more economical fish oil replacement from distillers dried grains supplemented with omega-3.

## Economic Impact



In 2013, agriculture and related industries added **\$789 billion** to the U.S. gross domestic product (GDP)



Agriculture exports hit a record high of over **\$144 billion**, or 9% of total U.S. exports, in 2013



In 2014, 17.3 million full- and part-time jobs were related to agriculture – **about 9.3% of total U.S. employment**.



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

## South Dakota Agriculture

31,700 farms

\$11 billion in commodities

\$4.3 billion in agricultural exports

65,982 jobs



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