



USDA research is working for North Dakota



Supporting innovation

In FY 2014, North Dakota received **\$1 million in new grants** from the Agriculture and Food Research Initiative (AFRI)

North Dakota State University received an AFRI grant to study the genes in related and wild wheat that control stress responses in order to breed a wheat variety with increased disease resistance and salt/waterlogging tolerance.

Researchers are using AFRI funding to assess the impact of growing energy beets for advanced biofuel production on soil health and water quality in north-central US.

Supporting small business

From 2005-2014, North Dakota small businesses received more than **\$1 million in grants** through the Small Business Innovation Research program within USDA

In Portland, North Dakota, SBIR funding is being used to develop a more efficient and cost-effective erosion sensor that will detect how different particles move under various wind conditions.

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**

North Dakota Agriculture

30,300 farms

\$8.7 billion in commodities

\$4.5 billion in agricultural exports

64,731 jobs



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