



USDA research is working for Nebraska



Supporting innovation

In FY 2014, Nebraska received **\$9.5 million in new grants** from the Agriculture and Food Research Initiative (AFRI)

The **University of Nebraska** received an AFRI grant to study how rice blast fungus infects and spreads within rice plant cells in order to develop a rice blast treatment or resistance variety.

AFRI-funded researchers are working to determine how climate change could impact the movement of trace organic compounds in subsoil in order to inform agricultural management decisions and preserve groundwater quality.

Supporting small business

From 2005-2014, Nebraska small businesses received nearly **\$500,000 in grants** through the Small Business Innovation Research program within USDA

In Lincoln, **Holland Scientific** is using SBRI funding to develop a novel sensor technology that will detect crop “greenness” as a way to determine the crop’s vigor and estimate yield.

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**

Nebraska Agriculture

49,100 farms

\$25 billion in commodities

\$7.3 billion in agricultural exports

105,718 jobs



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