



USDA research is working for Kansas



Supporting innovation

In FY 2014, Kansas received **\$4.4 million in new grants** from the Agriculture and Food Research Initiative (AFRI)

Kansas State University is using an AFRI grant to study how wheat blast fungus is transmitted in order to identify possible genes that could provide resistance.

AFRI-funded researchers are performing a large-scale analysis of Sorghum genes to identify those genes that would increase Sorghum's effectiveness in bioenergy production.

Supporting small business

From 2005-2014, Kansas small businesses received more than **\$4 million in grants** through the Small Business Innovation Research program within USDA

Kansas Environmental Management Associates, LLC received an SBIR grant to optimize their system that removes phosphorus from distillers grain-based animal feed, thereby decreasing the risk of surface water pollution from excess phosphorus found in manure.

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**

Kansas Agriculture

61,000 farms

\$16 billion in commodities

\$4.7 billion in agricultural exports

126,693 jobs



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