



USDA research is working for Missouri



Supporting innovation

In FY 2014, Missouri received **\$2.7 million in new grants** from the Agriculture and Food Research Initiative (AFRI)

AFRI-funded researchers are studying the development pathways that control plant growth and defense in grass crops, in order to develop new grass varieties with higher stress tolerance.

Missouri State University is using an AFRI grant to develop a new Cabernet Sauvignon grape hybrid that is more resistant to the fungus that causes grape bunch rot.

Supporting small business

From 2005-2014, Missouri small businesses received more than **\$3 million in grants** through the Small Business Innovation Research program within USDA

In Kerney, **Marc IV Consulting Inc.** is using an SBIR grant to develop a system that more efficiently converts glycerol, a biodiesel co-product, into glycerol carbonate, a high-value biobased material used in personal care products.

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**

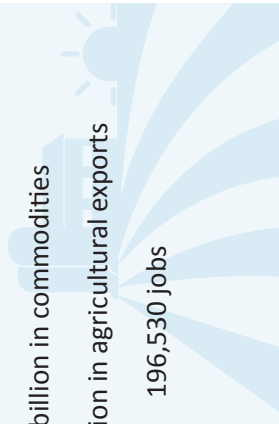
Missouri Agriculture

97,700 farms

\$11 billion in commodities

\$4.3 billion in agricultural exports

196,530 jobs



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