



# USDA research is working for Oklahoma

## Supporting innovation

In FY 2014, Oklahoma received **\$4.5 million in new grants** from the Agriculture and Food Research Initiative (AFRI)

Researchers at **Oklahoma State University** are using AFRI funding to optimize a bioenergy crop system on rainfed marginal lands as a way to reduce overall water usage.

AFRI funding is being used to study the proteins that control potato virus infection as a way to develop new resistance strategies.

## Supporting small business

From 2005-2014, Oklahoma small businesses received more than **\$1.5 million in grants** through the Small Business Innovation Research program within USDA

In Broken Arrow, **Hill Manufacturing Inc.** is using an SBIR grant to develop a light-weight, low-cost tree saw that can mount on landowner's existing equipment, allowing for rapid and safe removal of large trees, brush and undergrowth.

## 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**

## Oklahoma Agriculture

79,600 farms

\$7.8 billion in commodities

\$1.7 billion in agricultural exports

163,039 jobs



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