



USDA research is working for Utah



Supporting innovation

In FY 2015, Utah received **\$1.6 million in new grants** from the Agriculture and Food Research Initiative (AFRI).

Researchers at **Brigham Young University** are using AFRI funding to determine if biochar application on marginal soils can reduce N₂O emissions and sequester carbon, while also improving crop yield.

AFRI funding is being used to study the bacterial enzymes that regulate nitrogen fixation in order to develop a bacteria strain that can more efficiently produce nitrogen fertilizer for legume crops.

Supporting small business

From 2006-2015, Utah small businesses received more than **\$1.8 million in grants** through the Small Business Innovation Research program within USDA

In Orem, **Smart Vision Works International, LLC** received an SBIR grant to optimize a new mechanized produce grading and sorting system for specialty crops. This automated process allows producers to decrease their labor costs and improve time to markets.

Economic Impact



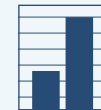
In 2014, agriculture and related industries added **\$985 billion** to the U.S. gross domestic product (GDP).



Agriculture exports hit a record high of **\$150 billion**, or 9% of total U.S. exports, in 2014.



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**

Utah Agriculture

18,100 farms

\$2 billion in commodities

\$420 million in agricultural exports

39,574 jobs



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