



USDA Research is working for Kentucky



Supporting innovation

In FY 2013, Kentucky received **\$1.5 million in grants** from the Agriculture and Food Research Initiative (AFRI)

AFRI funding is being used to develop a line of biofuel crops that can not only be used as a fuel source, but will also produce bio-oils that can be used to manufacture plastics, nylons and paints.

The **University of Kentucky** has an AFRI grant to determine how bacteria moves in water around landscapes made from soluble rocks like limestone in order to reduced groundwater contamination.

Supporting small business

From 2004-2013, Kentucky small businesses received nearly **\$1 million in grants** through the Small Business Innovation Research program within USDA

Research shows that compounds in cole crops, like broccoli, can protect against cancer. In Louisville, **Caudill Seed Co. Inc.** is using SBIR funding to breed a variety of broccoli with increased levels of these anti-cancer compounds.

Economic Impact



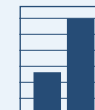
In 2011, agriculture and related industries added \$743 billion to the national GDP



Agriculture exports hit a record high of over \$140 billion in 2013



1 in 12 American jobs are associated with agriculture



U.S. public investments in agriculture research and development produce benefit-cost ratios of 20:1 and higher

Kentucky Agriculture

77,064 farms

\$5.3 billion in commodities

\$2 billion in agricultural exports

167,684 jobs



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