



USDA research is working for Ohio



Supporting innovation

In FY 2014, Ohio received **\$4.7 million in new grants** from the Agriculture and Food Research Initiative (AFRI)

Researchers at **Ohio State University** are using AFRI funding to study how components in green tea reduce inflammation response and prevent oxidative damage.

AFRI funding is being used to interbreed two lines of tomato plant with different pest resistance characteristics resulting in a new tomato line with increased resistance to diseases that affect tomato health and fruit quality.

Supporting small business

From 2005-2014, Ohio small businesses received more than **\$4.6 million in grants** through the Small Business Innovation Research program within USDA

In Columbus, **Metamateria Technologies Inc.** is using an SBIR grant to develop a new, nano-engineered, porous ceramic media that can clean undesirable trace pharmaceuticals from agricultural drainage water, allowing for safe discharge to water bodies or reuse for irrigation.

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**

Ohio Agriculture

74,500 farms

\$10 billion in commodities

\$4.4 billion in agricultural exports

158,389 jobs



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