



USDA research is working for Wisconsin



Supporting innovation

In FY 2015, Wisconsin received **\$4.9 million in new grants** from the Agriculture and Food Research Initiative (AFRI).

Soybean cyst nematode is the most economically damaging disease of soybeans. At the **University of Wisconsin-Madison**, AFRI funding is being used to study the genes that control resistance to the soybean cyst nematode in order to develop a more resilient variety of soybean.

AFRI funded researchers are studying how winter application of manure to managed dairy systems is impacted by frozen soil and snowmelts in order to reduce nutrient loss and improve water quality.

Supporting small business

From 2006-2015, Wisconsin small businesses received more than **\$9 million in grants** through the Small Business Innovation Research program within USDA

In Madison, **Nutrient Recovery and Upcycling, LLC** is developing a system that can most efficiently recover phosphorus from municipal waste and “upcycle” the phosphorus by converting it into a form that can be used as a fertilizer.

Economic Impact



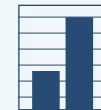
In 2014, agriculture and related industries added **\$985 billion** to the U.S. gross domestic product (GDP).



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**

Wisconsin Agriculture

69,000 farms

\$11 billion in commodities

\$2.8 billion in agricultural exports

160,598 jobs



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