



USDA Research is working for Iowa



Supporting innovation

In FY 2013, Iowa received **\$20 million in grants** from the Agriculture and Food Research Initiative (AFRI)

Iowa State University is working to enhance water quality in regions impacted by agricultural drainage through a new water treatment process that removes contaminants such as nitrate.

AFRI funding is being used to study the interactions between biochar (charcoal) and array of soil types in order to better understand how biochar amendments reduce greenhouse gas emissions.

Supporting small business

From 2004-2013, Iowa small businesses received more than **\$3.5 million in grants** through the Small Business Innovation Research program within USDA

Soybean processing requires heat to eliminate anti-nutrition factors and make the protein available for digestion. In Des Moines, **Schillinger Genetics** received an SBIR grant to breed soybean varieties that eliminate and/or significantly reduce these anti-nutrition factors.

Economic Impact



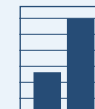
In 2011, agriculture and related industries added \$743 billion to the national GDP



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

Iowa Agriculture

88,637 farms

\$32 billion in commodities

\$10 billion in agricultural exports

179,541 jobs



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