



# USDA research is working for New York



## Supporting innovation

In FY 2014, New York received **\$13 million in new grants** from the Agriculture and Food Research Initiative (AFRI)

AFRI-funded researchers at **Cornell University** are studying how increased nitrogen impacts soil microbial communities in forest ecosystems to better understand carbon cycling.

Infestation of potatoes by the tuber moth can significantly increase the size of uninfested potatoes on the same plants. AFRI funding is being used to study how the plant's metabolism changes in response to tuber moths, to identify genes that control plant yield.

## Supporting small business

From 2005-2014, New York small businesses received more than **\$8.5 million in grants** through the Small Business Innovation Research program within USDA

In Troy, **Ecovative Design LLC** is using an SBIR grant to develop a soil-less growth medium made from fungus as a more sustainable, efficient and economical alternative to hydroponic growth systems.

## 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**

## New York Agriculture

35,500 farms

\$6.4 billion in commodities

\$1.7 billion in agricultural exports

96,258 jobs



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