



## Agricultural Systems

PHOTO: New Hampshire Agricultural Experiment Station

# Specialty crop growers benefit from land-grant university research

Scientists at land-grant universities are responding to local grower needs to strengthen specialty crop quality and economics.

### Here are a few examples of that work:

- Researchers in **New York** are studying a new threat to vineyards. Research on how the disease is spread through hoppers led to recommendations on management practices to manage the virus spread. *Cornell AgriTech*. See [full statement](#).
- Two-thirds of the white button mushrooms consumed in the U.S. come from **Pennsylvania** farms. Their cultivation relies on the presence of a range of microorganisms to grow. Scientists analyzed the bacterial DNA at different stages to understand what is needed for mushroom growth and then recommended crop management strategies. *Pennsylvania Agricultural Experiment Station; Hatch*. See [full statement](#).
- In **Oregon**, researchers responded to berry grower concerns about optimal fertilization strategies. A recent study found that fertilizer timing and rates vary by crop type, enabling growers to optimize fertilizer use and improve overall crop quality. *Oregon State University Extension Service; State Appropriations*. See [full statement](#).
- More than 40 specialty crop farmers across New England and four other states are piloting kiwiberries as a new commercial crop. Led by **New Hampshire** scientists, the project aims to establish a farmer network and assess the adaptability and consumer acceptance of the kiwiberry. *New Hampshire Agricultural Experiment Station; Hatch Multistate, Other USDA competitive*. See [full statement](#).

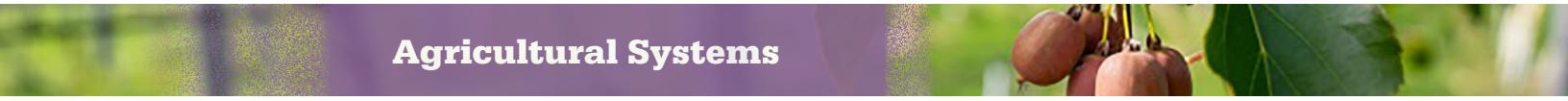
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### landgrantimpacts.org

The National Land-grant Impacts Database (NIDB) documents the individual and collective impacts of the national Land-grant University System of joint research, education and Extension. Much of this work is supported by capacity and competitive funds through the USDA's National Institute of Food and Agriculture.

This document was prepared by the NIDB communications team. The Association of Public and Land-grant Universities' Board on Agriculture Assembly manages the NIDB.



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- **Arkansas** researchers studied traditional blackberry trellis systems to understand potential effects on pest control. The study found one trellis system needed less water and pesticide, reducing costs for growers and improving sustainability. *Arkansas Agricultural Experiment Station; Other USDA Capacity – research, State Appropriations*. See [full statement](#).