



Hard Cider Production in New York

5 million gallons of cider were produced in 2015 and 2016 which is about 10% of total U.S. production

88 producers—more than any other state in the U.S.

The majority of NY cideries are small to medium scale and began production within the last 5 years

NY is also home to large companies, such as Angry Orchards, which operates an Innovation Center in Walden



Undergraduate Education

In 2017, Professors Kathy Arnink and Greg Peck began a cider production course that teaches the scientific basis of cider from orchard to bottle. The course covers cider orchard management, fermentation, current market trends, the economics of growing hard cider apples and producing cider, and provides an overview of the history and culture of cider. Each class includes tastings so that students receive a robust overview of typical cider flavors, an introduction to different cider styles, and gain an ability to determine the causes of off-flavors and other faults.



Cornell's Hard Cider Program Work Team

The Hard Cider PWT is a multi-disciplinary group of Cornell researchers, instructors, extension educators, and industry stakeholders who collaborate on Cornell's hard cider activities.

Co-Chairs: Craig Kahlke, *Lake Ontario Fruit Team*; Chris Gerling, *Cornell Vinification & Brewing Laboratory*; Gregory Peck, *School of Integrative Plant Science*; Lindsey Pashow, *Harvest NY*

Hard Cider Resources



Cornell
CALS

College of Agriculture
and Life Sciences

A leader in hard cider research, outreach, and teaching.

Workshops for Commercial Producers

Since 2004, Cornell has been training

commercial cider

producers by

offering multi-day

workshops, which

are now offered in

collaboration with

the Cider Institute

of North America.

Visit our website for more details.



Facilities

Cider research orchards at the Cornell University Agricultural Experiment Station in Ithaca

Teaching and Research Wineries

NY Wine Analytical Laboratory

USDA-PGRU *Malus Germplasm*

Collection

Current Research

European hard cider variety trials

Crop load, return bloom, and harvest management for hard cider orchards

Managing apple maturity and post-

harvest regimes to increase the quality

of hard cider

Exploring the impacts of light and

temperature on cider apple polyphenol

development

Nitrogen management for cider

orchards

Studying the NY hard cider supply chain

Production and evaluation of pomace

derived apple tannins to improve the

quality of hard cider

Phenotyping the USDA's *Malus*

Germplasm Collection for novel apple

varieties to use in hard cider production

Visit us Online:
hardcider.cals.cornell.edu



Online Resources

Links to publications and resources

Upcoming events and workshops

Descriptions of current research

projects

Cider science videos

Economic Impact

Domestic cider production has

increased 10-fold over the last decade

U.S. cider sales are estimated at \$1.3B

Growing specialty cider apples creates

new business opportunities for apple

producers

Cider production supports

entrepreneurs, agritourism, and rural

economic development

