

MakerMovement

Agriculture, Horticulture, & Natural Resources

Winemaking

Homebrewing

Gardening



Impact areas

Environmental Quality & Sustainable Food Systems

Importance

Beer

Ohio beer manufacturers spend an estimated \$4 million annually on the purchase of hops to produce craft beers.

Wine

Ohio is 9th largest in grape production and 7th largest in wine production in U.S. The full economic impact of grapes and wine in Ohio is \$786 million (including sales, jobs, taxes, and tourism).

Green Industry

The Green Industry generates \$4.9 billion in sales and \$3.15 billion in payroll in Ohio each year.



Ideas for Extension Events

Coordinate gardening maker events for families featuring lessons on making bee houses, insect hotels, seed bombs, seed pots, rain barrels, or garden art. Get Master Gardener and 4-H Volunteers involved!

Offer workshops and training on grape and hops production.

Coordinate homebrewing and winemaking workshops with the help of OSU Specialists or local breweries and wineries.

Partner with your local Small Business Development Center or other community organizations to offer entrepreneurship workshops and events.

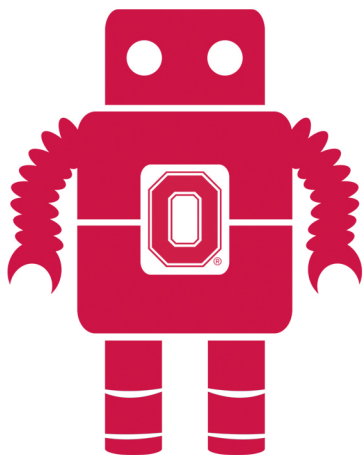
What is the **Maker**Movement?

The Maker Movement is inspiring communities of entrepreneurs, builders, and inventors to come together and share ideas and innovations.

There have been over 400 Maker Faires organized around the world since 2012.

The world's crowdfunding sites reached close to \$5 billion in transactions last year. By 2025, the crowdfunding investment market is projected to reach \$93 billion.

The 3D printing market is projected to be worth \$8 billion by 2020. World demand for 3D printing is projected to increase more than 20% per year to \$5 billion in 2017.



Resources

go.osu.edu/makermovementscope

go.osu.edu/makermovementjoe

whitehouse.gov/nation-of-makers

extedtechs.org/makers

go.osu.edu/osuetechfaire2016

How can the Cooperative Extension System bolster the Maker Movement?

It is now Extension's moment to take a leadership role in the Maker Movement. We have the research and resources of the Land Grant University system. We have the tech, grant-writing, and social media skills to connect makers, support them in their entrepreneurial endeavors, and apply for funding that will democratize access to the tools of innovation. Extension can partner with local makerspaces to host workshops on Lean Startup Principles, facilitate Startup Weekend events and 4-H Maker Camps for youth. We can support this movement in similar ways we've traditionally supported the agriculture industry. Likewise, makers can work with Extension as volunteers to advance citizen science projects, lead/teach in 4-H, and help us confront complex community issues with hi-tech solutions.