

Ohio State University Extension

EMPOWERMENT *through* EDUCATION



2011 Annual Report

<http://extension.osu.edu>



OSU EXTENSION: STRENGTHENING

We connect with people in all stages of life, from young children to older adults. We work with families and children, farmers and business owners, community leaders and elected officials to build better lives, better businesses, and better communities to make Ohio great. We do this through a focus on four impact areas:

STRENGTHENING FAMILIES AND COMMUNITIES — OSU Extension teaches people how to apply science in their daily lives in order to make informed choices about everything from finances to healthy living to food safety. **PREPARING YOUTH FOR SUCCESS** —

OSU Extension's 4-H youth development programs deliver skills in communications, math, science, and research, and help our young people prepare for college, the workforce, leadership, and life.

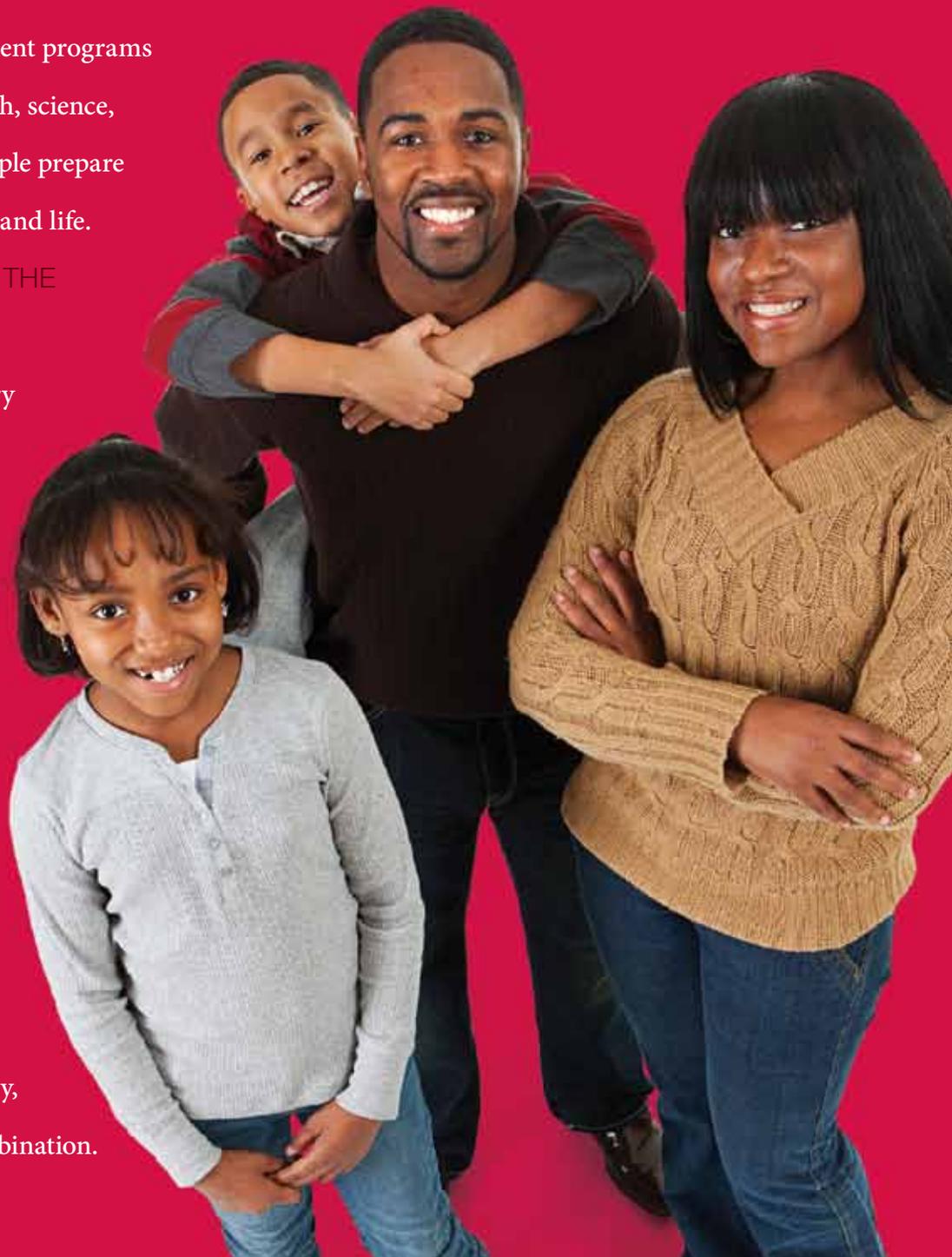
ENHANCING AGRICULTURE AND THE ENVIRONMENT — Ohio's diverse agricultural, horticultural, and forestry

industries contribute more than \$100 billion to the state's economy every year. OSU Extension assists with technology, marketing, and educational programming,

protecting Ohio's position in the global marketplace. **ADVANCING**

EMPLOYMENT AND INCOME OPPORTUNITIES — Extension's

economic, small business, and job development programs are tailored to local community needs in every county, whether metropolitan, rural, or a combination.



LIVES; BUILDING THE ECONOMY

The impact of OSU Extension, told through the people we serve



“We got offered a [shale gas] lease, but I wasn’t comfortable with it. A paralegal told me to contact Extension, and I got in contact with Steve Schumacher. He set the matter straight. As an outside person who doesn’t have a

stake in this game, his word had a lot of influence. It made all the difference in the world.” —FRED SCHWARZ, WHO IS NOW FORMING A LANDOWNERS GROUP IN LICKING COUNTY



“With its combination of strong adult advisors and role models, 4-H projects, and public awards for academic performance, Ohio 4-H is the perfect model to blend academic achievement with leadership development

for STEM careers. ... Acting locally but thinking globally, 4-H programming reaches every county in Ohio.” —LYNN ELFNER, CEO, OHIO ACADEMY OF SCIENCE



“By the end of the month, I was usually frantically trying to find a way to afford food. But during the Expanded Food and Nutrition Education Program (EFNEP) class, I did more budgeting and meal planning — and in the last week of the month, I still had over \$125 left. It was amazing!” —LESLIE CARLISLE, DELAWARE COUNTY



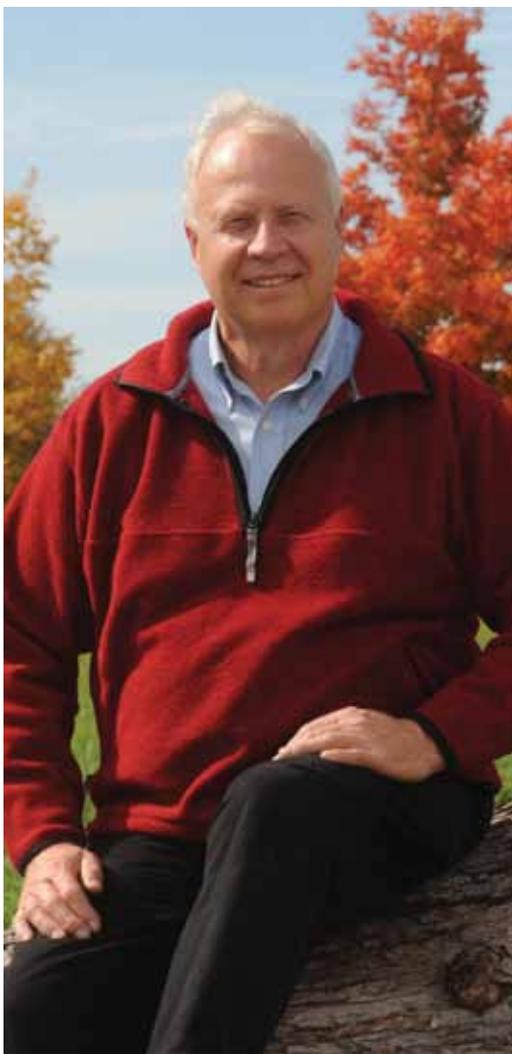
“Without OSU Extension’s help, I wouldn’t be experiencing the success that I am with no-till and cover cropping. The early results have been amazing. ... I’m confident that if most — better yet, all — farms were utilizing these practices, we could mitigate nutrient discharge into the watershed.” —JEFF RASAWEHR, MERCER COUNTY, WHO FARMS NEARLY 3,000 ACRES

LESS THAN 10 MILES FROM GRAND LAKE ST. MARYS



“The research, expertise, and resources available through OSU Extension have been very advantageous to us, especially in a sector so new as wind energy. Nancy [Bowen-Ellzey] also came with me to the Statehouse to testify on behalf of SB 232, whose approval allowed us to create an alternative energy zone in the county; without it, I don’t think we could have enticed these energy folks.” —CLAIR DUDGEON, VAN WERT

COUNTY COMMISSIONER



Extension Plays a Key Role in Providing Shale Energy Education

Reserves of oil and natural gas in Marcellus and Utica shale wait to be drawn out from rock deep below

5,300 = number of Ohioans who have attended Extension's shale energy meetings

Ohio's surface. The development could mean thousands of Ohio jobs and potential riches for landowners contracting with oil and gas companies. But landowners also need to fully understand the potential financial, legal, and environmental

ramifications of the highly complex leases that could last for generations; and public officials often need guidance on community implications as well. Extension is providing such help with more than 40 meetings attracting nearly 5,300 Ohioans. Its Shale Energy Education Work Group is examining the financial, economic, development, family, environmental, and safety issues regarding shale energy.

<http://serc.osu.edu>

Extension Homeownership Programs Light the Way

For many, the American dream of homeownership has shattered into a nightmare of dropping home values, missed mortgage payments, and too often, foreclosure. Between 2000 and 2010, Ohio's homeownership rate fell for the first time since the Great Depression, and the state's home vacancy rate became the fifth-

200 = Ohio homeowners attending homebuyer education workshops and personal sessions

worst in the nation. OSU Extension programs, officially approved by the Department of Housing and Urban Development (HUD), are lighting the way and include pre-purchase homebuying education; resolving or preventing mortgage delinquency or default; and post-purchase financial education.

<http://go.osu.edu/househelp>

ECO Farming: A Win-Win for Both Grand Lake St. Marys and Farmers

Toxic algae blooms are plaguing Grand Lake St. Marys, costing the region's

Curing Grand Lake St. Marys' algae bloom = \$60 million to \$80 million annually

economy up to \$80 million a year. But Ohio State University Extension may have a solution — a new system called ECO Farming. Benefits include greatly reduced fertilizer use and nutrient runoff. Both are key factors, because nutrient runoff from

excess fertilizer is a major cause of the algae blooms. One farmer collaborator reports a 50–70 percent reduction in fertilizer inputs and a 50 percent reduction in herbicide costs, along with improved soil organic matter.

<http://go.osu.edu/GRn>



Pesticide Training Supports Businesses, Jobs, Environment

When farmers, lawn-care and landscaping companies, pest-control businesses, and public-health agencies

9,000
= number
of pesticide
applicators
OSU
Extension
trains every
year so
they can
keep their
licenses

need training to comply with pesticide-licensing requirements, they turn to Ohio State University Extension. In partnership with the Ohio Department of Agriculture, OSU Extension's Pesticide Safety Education Program is the primary training provider for licensed commercial and private pesticide

applicators in Ohio. It serves as a vital job-retention program. New applicators need this training to become employed, and existing applicators need to get recertified every three years to keep the licenses necessary for their jobs.

<http://pested.osu.edu>

Nutrition Programs Improve Ohioans' Health

Ohio has climbed to sixth in the nation in food insecurity. One in six Ohio households experiences limited or

57,170
= number
of people
reached
with
Ohio's
FNP and
EFNEP
programs

uncertain access to safe, nutritious food. To help Ohioans eat nutritiously on a tight budget, Ohio State University Extension works with two federally funded programs: the Family Nutrition Program targets families who are eligible for food assistance, and the Expanded Food and

Nutrition Education Program targets families below 185 percent of the poverty level with children at home.

<http://go.osu.edu/GSJ>

<http://go.osu.edu/GSK>

Powering Up a New Ohio

Ohio State University Extension is helping communities throughout the state capitalize on a growing number of alternative energy projects that are

\$3.6 million
= local taxes
generated
through
wind energy
farms

bringing much-needed investment and jobs to the state. In Van Wert and Paulding counties, Ohio's first utility-scale wind energy farms (Horizon Wind Energy's Timber Road II and Iberdrola Renewables'

Blue Creek) were completed in 2011. OSU Extension community development educators worked with community leaders to help bring these projects to fruition.

<http://go.osu.edu/GSP>

<http://go.osu.edu/E2Z>



Real Learning in Real Places

Through a special community partnership that began in 2008, OSU Extension is providing The Center of Science and Industry (COSI) in Columbus with research and evaluation tools to improve educational programs and exhibits. Redesigned exhibits take advantage of research on how people learn in informal settings. Zoos, nature centers, and other Ohio museums have also benefited from the work.

<http://go.osu.edu/GSQ>

Ohio 4-H Ramps Up STEM Efforts

Scientific innovation has produced about half of America's economic growth in the past 50 years, says the National Science Foundation. And Ohio State University Extension's 4-H youth development program, with a strong new focus on STEM — science, technology, engineering, math — is planting seeds to spur it. Ohio 4-H's ChickQuest program, for example, in partnership with the Akron Public Schools, immerses third-graders in science while they monitor an incubating chicken egg — three weeks right through hatching. It's the only curriculum of its kind that targets specific Ohio third-grade science standards.

<http://go.osu.edu/GSU>

Giving Back: Supporting Our Troops, Their Families

Ohio 4-H is part of a national initiative to help military kids deal with their parents' deployment. In 2011, Ohio's Operation: Military Kids (OMK) and Military Teen Adventure Camp program received \$78,500 in donations and \$307,500 in grants to help organize:

- Overnight camps, including three weekend family camps; a weeklong Military Kids camp at Kelleys Island; and two Military Teen Adventure Camps. In all, overnight camps hosted 575 military family members.
- One-day HERO Camps hosted by the Great Lakes Science Museum in March and The Ohio State University's Athletics Department in July.
- Youth programming during 51 Yellow Ribbon programs, both for mobilization (before military members are deployed) and reintegration (when they return).
- Seven military family appreciation events at local zoos, sporting events, and fairs.

<http://go.osu.edu/GSa>

<http://www.facebook.com/OhioOperationMilitaryKids>

<http://www.youtube.com/OhioOpMilitaryKids>



Local Foods Movement Can Mean an Economic Boon for Ohio

Ohio State University Extension is supporting a local foods resurgence with expertise and resources from the field all the way to the dining room table. One example is the MarketMaker program, which links producers and buyers online. OSU Extension specialists and educators also teach food producers how to more effectively reach and interact with restaurants, grocery stores, and other wholesale buyers through the MarketReady initiative.

1,250 = the number of Ohio producers and buyers linked via Market-Maker

<http://go.osu.edu/GSH>



4-H Helps Young People Develop Vital Work Skills

While Ohio 4-H isn't specifically designed to prepare young people for the workforce, its more than 315,000 4-H members tend to develop exactly the skills employers are looking for. That's probably because when 4-H members work on a project, they do more than delve into a specific topic. They learn how to take something from beginning to end and to share it with others along the way. Thus, they develop skills identified as vital to workplace success, including professionalism and a strong work ethic; oral and written communications; teamwork and collaboration; critical thinking and problem-solving.

2,500 = number of Ohio teens who undergo 24 hours of training, including workforce training, before becoming 4-H camp counselors

<http://www.ohio4H.org>



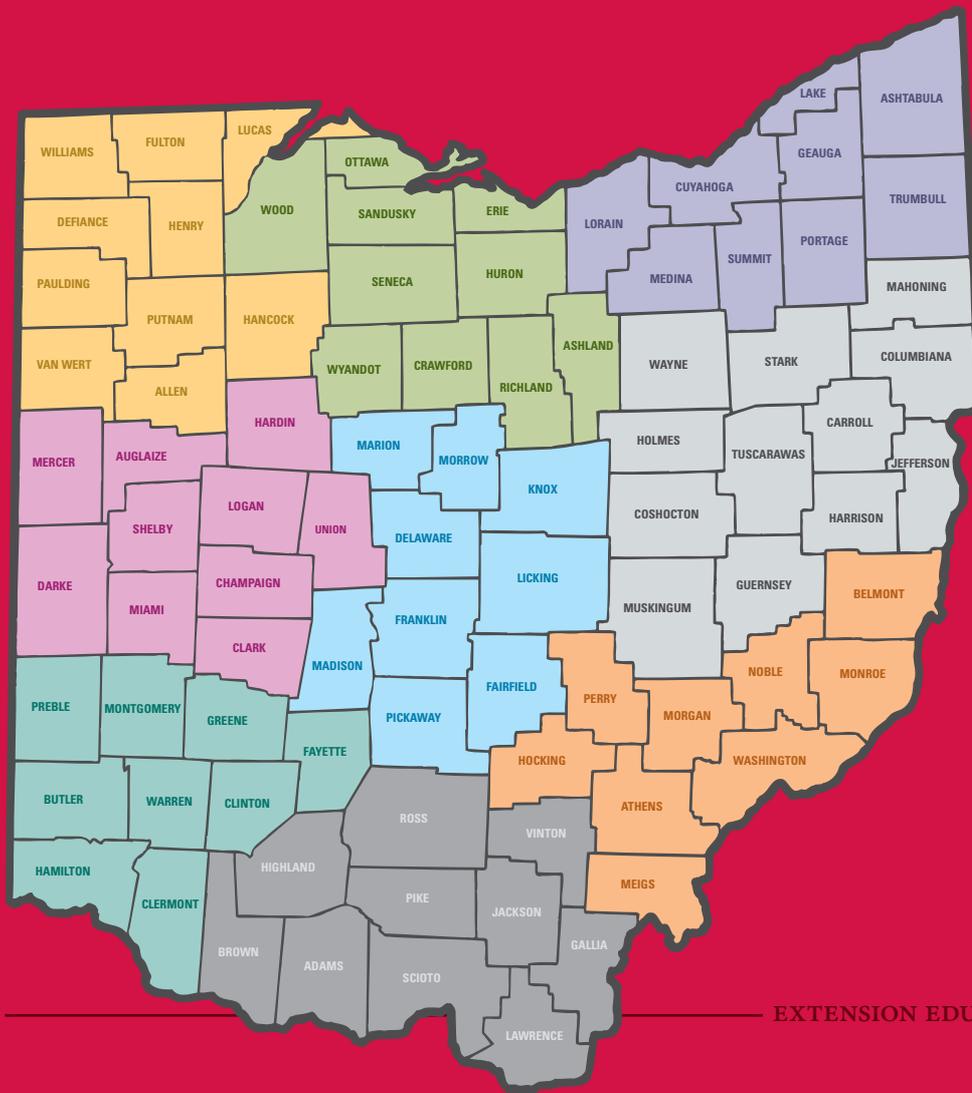
Growing Lake Erie's Economy

While Lake Erie is good for Ohio's economy, Ohio Sea Grant makes it even better through a variety of educational programming. Examples include the Ohio Charter Captains Conference, now in its 30th year; Local Government Leadership Academies, which help local leaders grow healthy coastal economies; and the restoration of Ashtabula Harbor, resulting in one of the cleanest, deepest harbors on Lake Erie.

\$11 billion = value of Lake Erie tourism

<http://go.osu.edu/GSS>

<http://comdev.osu.edu/>



Ohio State University Extension

OSU Extension offers the resources of The Ohio State University in every county. See <http://extension.osu.edu> for addresses and phone numbers for all of our locations.

EXTENSION EDUCATION AND RESEARCH AREAS

- Buckeye Hills*
- Heart of Ohio*
- Miami Valley*
- Top of Ohio*
- Crossroads*
- Erie Basin*
- Maumee Valley*
- Ohio Valley*
- Western Reserve*

Extension Administration

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