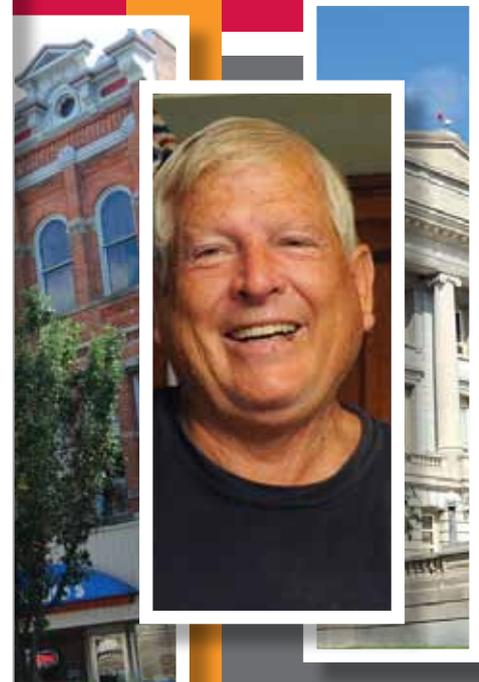


2012
Annual Report



EMPOWERMENT *through* **EDUCATION**

OHIO STATE UNIVERSITY EXTENSION

<http://cfaes-impact.ning.com>

<http://extension.osu.edu>



The Impact of **OSU Extension,** Told Through **the People We Serve**

“Greg LaBarge and the OSU Extension Agronomic Crops Team offer an unbiased voice that has helped us increase our corn, soybean, and wheat yields while reducing and improving our nutrient use to lessen the phosphorus runoff into Ohio waters. Their research helped us improve our soil moisture and health, even during drought.”

—Nate Andre, farmer and co-owner of Andre Farms, LLC, Fulton County



“The economic development toolbox has been growing, and one of the things we decided we had to have in this toolbox was cooperation between business and education. It wouldn’t have happened without the collaboration we had with Ohio State University Extension. To me, this was so important.”

—John Hohn, director of economic development, Hardin County Chamber & Business Alliance



“Our program wouldn’t be as successful if it weren’t for Extension. Extension has wonderful programs and staff members to answer all of your questions and lead your classes. They work hand-in-hand with you to make sure you have a successful worksite wellness program.”

—Lesley Hartley, librarian, Chillicothe and Ross County Public Library



“One of our team members who struggles in school blossomed during this project. Not everyone is a book-learner. This child is a builder, and really excelled. If you could have seen the transformation—it was amazing.”

—Jennifer Imbody, 4-H advisor in Licking County



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 research 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 program delivers skills in leadership, communications, math, science, and research to more than 250,000 young Ohioans. 4-H extends its reach through special in-school, after-school, and summer programs.

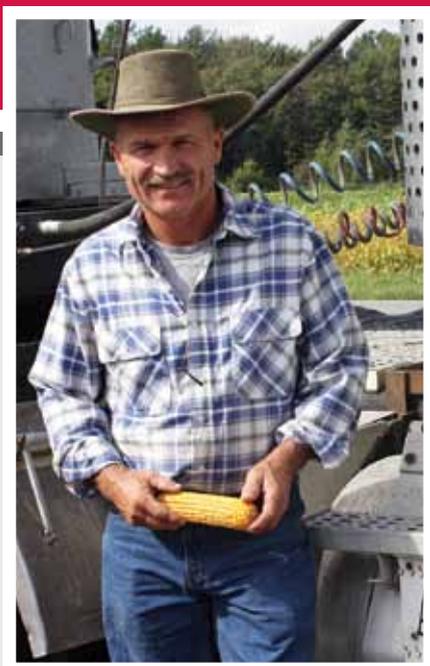
Enhancing Agriculture and the Environment

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 support, protecting Ohio's position in the global marketplace. OSU Extension also works to enhance and sustain the environment and natural areas in the state, balancing economic advancement with environmental sustainability.

Advancing Employment and Income Opportunities

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





Managing Drought

Even before Ohio was officially designated as having a moderate to severe drought, OSU Extension's Agronomic Crops Team had launched a special page with information for farmers to manage the dry conditions: <http://agcrops.osu.edu/drought-resources>. *C.O.R.N.* newsletter was also full of information on pest management, crop management, and silage.

In addition, Extension launched a website at <http://agnr.osu.edu/managing-drought-2012> for all Ohioans, including homeowners and gardeners.

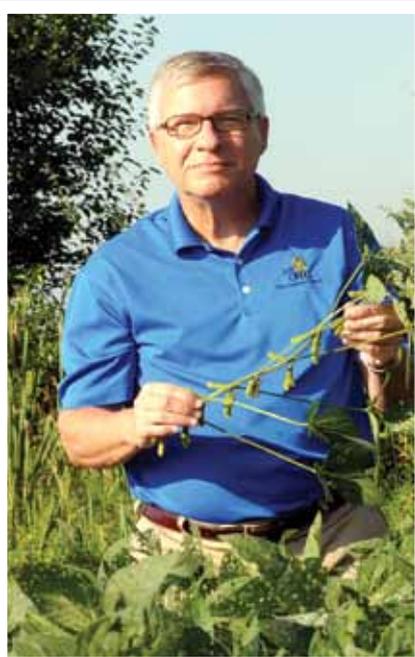
Social media also served as an outreach tool to provide farmers with tips and ideas on Extension's drought Facebook page at <http://www.facebook.com/OHdrought12>.

Fighting Algal Blooms

Grand Lake St. Marys has lost an estimated \$60–80 million in tourism due to harmful algal blooms. In 2011, algal blooms covered 990 square miles of Lake Erie's surface area, the largest in the lake's history. Those blooms are traced, in part, back to phosphorus use on farmland.

OSU Extension is helping farmers manage phosphorus, identified as a contributor of recent algal blooms in Ohio lakes.

The goal is to apply just the amount of nutrients that the growing plants will remove from the soil. That includes quantifying all sources of nutrients, whether commercial fertilizers or organic nutrients such as animal manure, compost, and biosolids.



Healthy Worksites

Employers increasingly offer worksite wellness programs to employees, for good reason: A 2010 analysis in *Health Affairs* showed a decrease of \$3.27 in medical expenses and \$2.73 saved in absenteeism costs for every dollar invested in such programs.

OSU Extension's Family and Consumer Sciences educators give these efforts a much-needed shot in the arm.

A prime example is the Chillicothe and Ross County Public Library, which has won the Healthy Ohio Healthy Worksite Award three years in a row.

The result? Healthier snacks at meetings. Fitness breaks at in-services. Library-sponsored skin cancer screenings, glucose testing, and flu shots.

VERSITY EXTENSION:

Managing Diabetes

Ohio ranks eighth in the number of people diagnosed with diabetes, with an estimated 889,000 adult Ohioans having the disease, at a cost of \$5.9 billion annually, including \$3.9 billion in medical expenditures and \$2 billion in reduced productivity and premature death.

OSU Extension's signature program Dining with Diabetes is a three-part class designed to help. It focuses on menu planning, carbohydrate counting, portion control, and label reading. In 2011, more than 2,100 Ohioans took part in the program. Evaluations show that participants are more likely to check their blood glucose on a daily basis, and that they know more about carbohydrate portioning. To learn more, see <http://go.osu.edu/diabetes>.



Food Safety Know-How

With an estimated 48 million illnesses, 128,000 hospitalizations, and 3,000 deaths, foodborne illness costs the nation \$77.7 billion a year. And research indicates that restaurants and other food service outlets are responsible for 7 in 10 outbreaks.

OSU Extension is providing the training that food servers need to prevent such outbreaks. In 2011, more than 14,000 public food servers such as those who work in restaurants, schools, hospitals, childcare centers, and nursing homes were taught to avoid cross contamination, and to measure and log food temperatures from delivery and storage to cooking, holding, cooling, and reheating.



4-H Mentoring with Impact

In the past, young men in the Butler County Juvenile Detention Center might have had trouble learning from their mistakes. But Tech Wizards, a 4-H mentoring program designed to prevent delinquency, has helped put that behind them.

During the 2011-12 program coordinated by an Ohio 4-H educator, participants teamed up using laptop computers to make calculations and input programming for robots to follow basic commands. Sometimes the robots performed as predicted, and sometimes they didn't. That's when participants worked to determine what went wrong; hence, they learned from their mistakes.

The hands-on learning has made an impact, with the youths showing more interest in engineering, technology, and auto mechanics, and doing better in math and science classes.





Quality Care for Animals

Young people who show food animals at county fairs in Ohio are required to learn about their animals through quality assurance programming.

Now, a new OSU Extension signature program called Assuring Quality Care for Animals extends that learning to include all types of animals such as companion and performance animals. The program also addresses food safety, animal handling, and animal welfare.

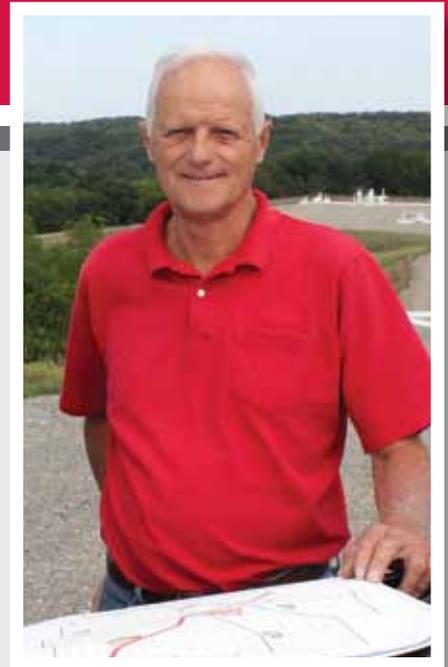
Animals are involved in 35 percent of Ohio 4-H projects. The new program ensures that participants understand how to handle all of their animals in the safest and most humane way possible.

Family Farm Transitions

Only 16.5 percent of family businesses, including family farms, survive to a third generation, according to the U.S. Small Business Administration. With 39 percent of U.S. farmland owned by those 65 and older, and less than one-third of the owners having identified a successor, an OSU Extension program is working to ensure smooth transitions.

A program titled Building for the Successful Transition of Your Family Business covers such topics as family communications, planning for the next generation, state and federal tax laws, and business structures and transfers.

A follow-up survey of participants to date shows that 85 percent held family discussions about business transitions, 85 percent improved their communication, 81 percent started retirement planning, and 77 percent started estate planning.



Energize Ohio

Ohio is experiencing an energy boom: Large solar and wind farms are rising from the ground, along with the thousands of jobs and economic prosperity expected from shale energy development.

To help landowners, communities, and public officials navigate the complexities of new energy opportunities and make informed decisions, OSU Extension has established a new signature program called Energize Ohio: Building Ohio's Energy Future.

By fall 2012, Extension educators and specialists had conducted 149 programs, reaching more than 14,000 people, on shale energy-related topics. In Jefferson County alone, landowners who participated in OSU Extension workshops received, on average, \$402 more per acre for their shale mineral leases. Also in 2012, Extension taught more than 1,000 Ohioans how to prepare for and attract potential renewable energy developments.

EMPOWERMENT *THRO*

ROUGH EDUCATION

Matching Skills and Training to Open Jobs

Hardin County in central Ohio recently merged its chamber of commerce and its downtown, tourism, and countywide economic development divisions into a single, coordinated program. When county leaders wanted to leverage that improvement and strengthen their efforts even further, they knew where to turn.

By teaming up with OSU Extension's Business Retention and Expansion Program, they created something new: a web-based platform cross-listing the training needs of Hardin County businesses with the training offered by area educational institutions. Today, companies are using this website to list the special skills needed by their workers, and potential future employees are using it to see where to learn these skills locally.



Local Foods for Local Schools

No more powdered potatoes.
No more mushy apples.

Ohio's Farm to School Program, part of a national effort now administered by OSU Extension, brings healthy food to school cafeterias while supporting local farmers. It's offered in all 88 Ohio counties.

Bonus: Students gain healthy eating habits that can set the foundation for a healthier lifestyle.



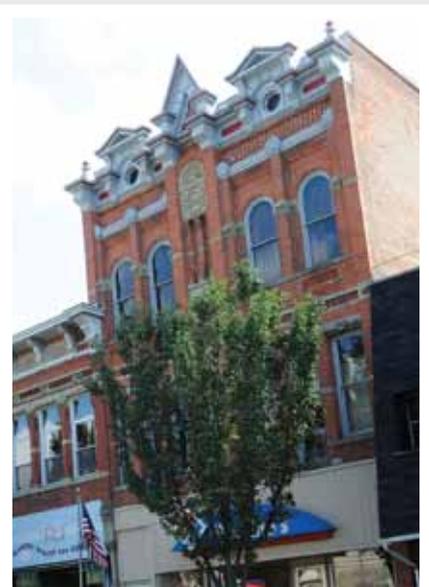
Cloverbots for Cloverbuds

Getting children interested in science and math early on is the strategy behind the recent Cloverbot Challenge, an Ohio 4-H Cloverbuds event.

Cloverbuds is a noncompetitive 4-H program designed to build the confidence of children ages five through eight and foster teambuilding through fun, hands-on, short-term activities.

During the Cloverbot Challenge, 19 teams of Cloverbuds each chose a food product and learned how it moves from farm to plate. Then the teams built LEGO-based models with moving parts based on what they learned.

They knew they were having fun. What they didn't know was they were learning basic engineering, design, and research skills.





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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