

CASE WESTERN RESERVE UNIVERSITY FARMS
2015 ANNUAL REPORT
THE GREEN CAMPUS



Stephen M. Campbell,

Vice President for Campus Planning and Facilities Management

FARM STAFF

ADMINISTRATION

Ana B. Locci,

Director and Department of Biology Adjunct Assistant Professor

Patty Gregory, Department Coordinator

FARM FOOD PROGRAM

Christopher Bond, Horticulturist and Farm Food Program Coordinator

Alan Alldridge, Farm Associate 2

Meaghan Wierzbic, Farm Food Program, Technician III

Rena Brown, Farm Associate 2

Matt Burtonshaw, Farm Associate

Sharon Halkovics, Farm Associate

MAINTENANCE

Shane Brown, Facilities Group Leader

Joe Miller, Facilities Crew Assistant

EVENTS

Zoey Bond, Special Events Program Coordinator



On the cover:

A sampling of photos highlighting the many ongoing conservation, research and academic programs that CWRU Farm supports.

"Working at the farm has made our experiments in plant ecology possible, and it has changed the way scientists are thinking about important plant-soil interactions."

-- Dr. Jean Burns, assistant professor of the Department of Biology



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In 2015 CWRU Farm was named #3 of the top 30 Sustainable College Farms in the U.S. by College Values Online.

OUR MISSION

THE GOAL OF THE UNIVERSITY FARM IS TO ENHANCE AND COMPLIMENT THE UNIVERSITY'S MISSION OF EDUCATION, RESEARCH AND COMMUNITY SERVICE THROUGH ITS UNIQUE NATURAL SETTINGS, HISTORY AND CULTURAL FEATURES. THE FARM ALSO SUPPORTS AND ENHANCES ADDITIONAL UNIVERSITY COMMUNITY ACTIVITIES, INCLUDING ATHLETICS AND RECREATIONAL EVENTS.

BACKGROUND

The Case Western Reserve University Farm, located on Fairmount Boulevard in the Village of Hunting Valley, is a 400-acre property that includes within its boundaries forests, ravines, waterfalls, meadows, ponds, a self-contained natural watershed, four residences, many other structures, and several miles of roads and trails. The farm came to the university as the result of five gifts: The late Andrew Squire gave 277 acres (Squire Valleevue Farm) in the late 1930s; the heirs of Jephtha Wade II gave Case Western Reserve 104 adjoining acres (Valley Ridge Farm) in 1977; and John and Elizabeth Hollister deeded five acres to Case Western Reserve in 1984 and another five acres in 1995. In 2013, nine acres were added to the property thanks to a generous gift by an anonymous donor.

In his will Squire wanted the farm to be cultivated and preserved as a farm for educational purposes, and to be a place where the practical duties of life may be taught; where the teachers and students can come in close contact with Mother Earth.

As a condition of the Wade gift, the university officers report annually to the Board of Trustees of the university and to the trustees of the Cleveland Museum of Natural History with respect to the operation of the donated property in 1977.

The farm continues to be a magnificent asset that provides a wide variety of opportunities for education, research, community service and recreation.

OPERATIONS AND FINANCES

Since 2011, Stephen Campbell, vice president for campus planning and facilities management, reports to the Division of Administration regarding the overall management of the farm.

Ana Locci, farm director and adjunct assistant professor in the Department of Biology, manages the farm operations, staff and finances. Locci reports directly to Stephen Campbell. Shane Brown, farm facilities group leader, is responsible for the daily on-site supervision of the farm and reports directly to Locci. Joe Miller works with Shane Brown on the maintenance of building and grounds. Patty Gregory is the department coordinator and Manor House program administrator. Christopher Bond is the farm horticulturist and Farm Food Program coordinator. A part-time staff member, Zoey Bond, is the farm special events coordinator. Other staff members with the expanding Food Program include Alan Alldridge and Renae Brown. Two new hires, since September 2015, include Sharon Halkovics and Matt Burtonshaw. Matthew Gwinn and Cullin Brown, undergraduate work study students, were hired for the summer of 2015 to assist the maintenance staff.

ACADEMIC PROGRAMS

Academic programs at the University Farm have greatly expanded during the last fifteen years. In 2015, the farm's indoor and outdoor facilities were used by 24 credit courses at the undergraduate and graduate levels including courses in the fields of ecology, geology, entomology, herpetology, engineering, SAGES classes and visual arts, as well as training courses for the nursing program and language immersion programs. Over 2,900 students and faculty visited the farm to teach or take credit classes.



Undergraduate and Graduate Courses

Academic programs at the University Farm have greatly expanded during the last fifteen years. In 2015, the farm's indoor and outdoor facilities were used by 24 credit courses at the undergraduate and graduate levels including courses in the fields of ecology, geology, entomology, herpetology, engineering, SAGES classes and visual arts, as well as training courses for the nursing program and language immersion programs. Over 2,900 students and faculty visited the farm to teach or take credit classes.

Undergraduate and graduate courses offered included eighteen lab sections with over 650 students enrolled in the Genes and Evolution (BIOL 214), Principles of Ecology Lab (BIOL 351L/451L), Aquatic Ecology Laboratory (BIOL 339), Introductory Entomology (BIOL 318L/BIOL 418L), Herpetology Lab (BIOL 305), eight capstone projects by the Frances Payne Bolton School of Nursing students, Public Health Nutrition (NTRN 528), the Dorothy Ebersbach Academic Center for Flight Nursing Summer Camp, several art classes including Raku Ceramic Workshops (ARTS 214/314, ARTS 339 and ARTS 602), and Photography 220. New courses include Sarah Diamond's Ecophysiology of Global Change (BIOL 353/453).

Research

The greatest participation in academic activities includes on-site research projects and participation in the Farm Food Program. The number of faculty and students actively doing research at the farm in the areas of ecology, environmental studies, engineering, conservation and nutrition continues to increase. Projects included graduate, undergraduate capstone and high school senior research.

Active research projects onsite include: Studies on salamander populations and movements by Michael Bernard, Department of Biology Associate Professor. Professor Bernard's main research

study organisms are amphibians. His research focuses on importance of determining why amphibians are declining and how to stop those declines. Amphibians provide important ecological services and they can also serve as a sensitive indicator of environmental change that might directly harm humans. The Bernard lab consists of graduate students Mimi Guo, Hillary Rollins and Kasey Dananay, and undergraduate students Alex Grossman and Tim Nicholes. During 2015, Kasey Dananay, initiated a study on the effect on light on tree frog development stage which preliminary results have shown how a minimum amount of light such as street light could greatly affect the frog population. Jean Burns, Department of Biology assistant professor, continues her research program on the mechanisms governing community assembly and biological invasions in plant communities. The Burn's lab consists of graduate students Colin Cope, Jennifer Murphey, Anne Osvaldsson, Andrew Lance and undergrad students Drake Sweet, Alex Faidiga and Kathleen Gigsby. Hathaway Brown student, Lane Chesler, helped in the Burn's Lab summer 2015. Christopher Cullis, Department of Biology professor, and his graduate students are working at the Debra Ann November Research Greenhouse growing flax plants to study the mechanisms by which DNA within the cell can change rapidly, particularly in response to external stimuli. Sarah Diamond, Department of Biology assistant professor, research is focused on understanding and predicting biological responses to novel environments. Through a combination of field and laboratory-based experiments and statistical modeling, the Diamond lab examines how organisms cope with environmental novelty and global change. Ryan Martin, Department of Biology assistant professor, continues his research at the farm during 2015. His PhD student, Michael Moore, is studying the local dragonfly population metamorphosis. Joseph Koonce, Department of Biology emeritus professor, has continued his efforts to create a high-resolution environmental monitoring network at the farm to improve understanding of the interaction of environment and populations of animal and plant species at the scale of the individual organism for research and teaching. David Burke, assistant scientist at the Holden Arboretum and adjunct assistant professor of the Department of Biology, continues studying phosphorus limitation and soil microbial community composition in hardwood forests of the farm. Ph.D. student from Ohio University, Maggy Hantak, continues studying the striped/lead polymorphism associated with woodland salamanders in the genus *Plethodon*. The adaptive basis of the color polymorphism remains unclear, however, despite a considerable amount of study no study has yet addressed whether the striped or lead morph of *P. cinereus* is more cryptic to potential predators. Another new research project is being carried out by James I. Watling, John Carroll Department of Biology assistant professor, and his student, Nicole Koballa, are studying how habitat loss and modification and climate change interact to affect species distributions using agar amphibian models to measure operative body temperatures and desiccation rates across a gradient of forest.

Continuing Education

The Laura and Alvin Siegal Lifelong Learning Program offered fourteen continuing education courses year-round during 2015. The Summer in the Country program offered 10 courses: writing poetry, writing creative nonfiction, silks and dyes, nature walks, outdoor painting, several horticulture courses and bird watching. Each class had between seven and 18 participants resulting in 610 visitors to the farm during the months of May - July. The Autumn in the Country 2015 program offered four classes, including writing creative nonfiction, outdoor painting and nature walks with 270 visitors to the farm.

CONSERVATION PROGRAMS AND GREEN INITIATIVES

The conservation programs continue to expand at the farm. The programs are focused on the expansion of the teaching opportunities while increasing habitat for wildlife and reducing energy consumption.

The natural gas fueled bus acquired by the university to provide transportation to and from campus and farm has been a great success. This new service meets the needs for academic and recreational activities. During 2015, a total of 168 round trips were provided for 2,254 riders. Transportation was provided for 16 credit courses, 30 volunteer groups, 10 student groups, and 20 special events.

The Farm Food Program

The Farm Food Program (FFP) continues to provide new educational opportunities for faculty and students by studying local food production in a sustainable way using methods consistent with organic farming. In 2015, such opportunities included visits by SAGES courses, Public Nutrition classes, Provost's scholars, two SURES students working on renewable energy, as well as several local college and high school field trips. The FFP offered 8 seminars for over 100 incoming freshman class at the First-Year Experience in August. In the late spring, the FFP taught several long distance learning classes about food production through a pilot program in conjunction with CWRU IT. The FFP continued its partnership with the Francis Payne Bolton School of Nursing to host grade school children of the Michael R. White School in Cleveland at the Farm to teach them about healthy eating and food production. The FFP continues to provide support by growing plants for the on-going research of both Dr. Nicole Steinmetz and Dr. Mark Willis. Support for research by Dr. Chris Cullis and Dr. Jean Burns continues as well.

The FFP delivered over 17,5000 lbs. of fresh food to the Case Western Reserve campus during the 2015 harvest season (over 70,000 lbs. since 2010). Another approximately 1,300 lbs. was delivered to the Cleveland Metroparks Zoo. The summer and fall CSA supported 126 shares in total, offering a variety of 33 different products. More than 9,200 pounds of produce were distributed among different shareholders over the growing season, as well as markets and local restaurants. Between CWRU bookstore sales and FFP market sales, more than 220 customers, purchased over 115 different products. On Earth Day, the FFP gave out almost 1,000 vegetable, herbs and plant seedlings to the campus community. The FFP additionally donated over \$3,800 worth of produce, seeds, plants and other products to support student events, local food banks and other campus and community organizations.



The FFP provided support to several Farm-sponsored, day-long symposiums on the topics of beekeeping, pollinators and one on the topic of composting and eliminating food waste in farming operations. This year, the FFP, working with campus partners has been able to compost an average 500 gallons of food scraps per week generated from the pulper at the Tinkham Veale university Center as well as other Bon Appetite managed kitchen sites on campus.

In 2015, The FFP collaborated with several new community partners. These included the Refugee Response, Rising Harvest Farms and the restaurants and non-profit entity of Chef Jonathon Sawyer's enterprises. Collaboration with the Cleveland Metroparks Zoo continues by growing food for their animals in the form of greens and starting in 2016, hay.

2015 saw the FFP's new mushroom production facility take shape, allowing it to have total control over all phases of its oyster mushroom production from spawn to harvest. This was made possible with the generous support of the Bon Appetit Management Company and Friends of Fungi, owned by Mr. Michael Nagy. The year also brought the addition of another high tunnel which will allow for more year-round food production and teaching opportunities. In 2015, about 8% of all of the food produced came from the one high tunnel that was already on site. We are excited to see if the new tunnel can be managed as effectively as the existing one.

FFP labor for 2015 was provided by Chris Bond, Alan Alldridge, Meaghan Wierzbic, Renae Brown, Matt Burtonshaw and Sharon Halkovics, undergraduate students (Hanna Bidigaire-Curtis, Rebecca Haluska), seasonal staff (Erin O'Hearn and Stacey Menzies) and many students, alum and staff volunteers. Volunteer hours accounted for about seven percent of the total labor.



Bluebirds at the Farm

The Eastern Bluebird Trail, in its fourteenth season, includes 48 Peterson houses located around the research ponds and nearby fields. Alumnus Bill Jirousek and University staff member Betsy Banks, both Farm volunteers, along with CWRU undergraduate student Becky Haluska, checked the trail regularly during the breeding season (April - August), recorded data, and banded hatchlings.

Many of the Farm's Eastern Bluebirds wintered over and the first Bluebird egg was laid on April 14; the last Bluebird fledged on August 14. A total of 176 birds fledged (154 in 2014) – 76 Bluebirds (56 in 2014), 80 Tree Swallows (78), and 20 House Wrens (20) – the second-best year for both Eastern Bluebirds and for Tree Swallows. Fourteen years of data show a relationship between the numbers of Eastern Bluebirds, Tree Swallows, and House Wrens. More Bluebirds and Tree Swallows fledge when there are fewer House Wrens. Two previously banded adult birds were caught - an adult female Bluebird and an adult Tree Swallow. Both were banded two years ago on the Farm. Trail data is recorded and analyzed at the Farm as part of a long-term study, continues to be included in the Holden Arboretum's and Cornell University's (national database) totals.



STUDENT LIFE

"The farm lets me explore another side of Cleveland, and see the natural beauty that Northeast Ohio has to offer. I have gotten to experience the farm in different ways, both as a cross country runner and as a member of the Student Sustainability Council, putting on the Farm Harvest Festival. Putting on the Farm Harvest Festival has shown me the great work going on at the farm, and the wonderful staff behind the farm. I am very happy I've had a small part in exposing more members of the Case community to the farm."

-- Laura Wheeler, CWRU undergraduate student



Student-initiated scheduled use of the farm facilities has increased greatly. Seventy student groups reserved the facilities in 2015. The student reservations included groups using the Pink Pig, Sheep Barn, Manor House, Kutina Classroom, picnic grounds, and Silo Theater. Among the student groups using the facilities were:

- Academic Integrity Board Alpha Chi Omega Alpha Phi Alpha Phi Omega Alpha Kappa Psi
- Anthropology Students American Medical Student Association Beta Nu of Theta Chi
- Beta Theta Pi Biology Graduate Students Bioethics Graduate Students Biomedical Engineering Graduate Student Association
- Campus Crusade for Christ Case Alliance Dental Association
- Case Concert Choirs Case University Singers Chi Alpha Christian Fellowship Chinese Students and Scholars Association
- Chinese Student Christian Fellowship CWRU Fellowship of Christian Athletes
- CWRU Film Society CWRU School of Medicine Student Groups CWRU Women and Men's Cross
- Country teams CWRU Track team CWRU Cycling Club College Scholars Program Delta Sigma Theta
- Delta Upsilon Fraternity Delta Psi Omega Delta Tau Delta Emerging Leaders Program (ELP)
- Institute Students Engineers Without Borders Group Graduate Student Senate Iranian Academic Association Students
- Inter Society Council Group Inter-Varsity Christian Fellowship
- Inter-Varsity Graduate Christian Fellowship International Chinese Students Retreat International Student Fellowship
- La Alianza Latino (LAL) Law School Students Master of Public Health (MPH) Students
- Material Science Graduate Students Association Phi Delta Upsilon Phi Kappa Tau Phi Gamma Delta
- Phi Sigma Rho Phi Mu Pi Beta Phi Public Health Nursing School Graduate Entry Program
- Psi Omega Dental Honorary Society Relay for Life Student Planning Group Residence Hall Association Exec Board
- Rich Lab Graduate Student Sigma Phi Epsilon Fraternit Sigma Psi Sorority
- Society for Women Engineers Solstice Women's A Cappella Student Sustainability Council Tau Beta Pi
- Theta Chi Fraternity Turkish Student Association (UTurk) Undergraduate Student Government
- WSOM-CCI Informatics Division (UG) Students WSOM OR/SC Students WSOM Operations Research MS Students
- WSOM Finance MS Students Zeta Beta Tau Fraternity

THE FARM HARVEST FESTIVAL



On September 19th, the fifth annual "Farm Harvest Festival" event took place at Squire Valleevue Farm. The event was co-sponsored by the Case Western Reserve University's Student Sustainability Council (SSC) and the University Farm. The festival was intended to expose students to activities at the farm and raise awareness of the Farm Food Program.

The event guest list included alumni, staff, graduate and undergraduate students, and their families. The attendance was estimated to be around 1,050, and approximately 900 of those were undergraduates. The fundraising effort was headed by SSC's Chair Laura Wheeler. In total, over \$4,000 was raised to support the Festival. SSC also coordinated volunteers from other student organizations. The council members reached out to the university community by making class announcements, coordinating the volunteer groups, organizing student performance groups, sending emails, posting event fliers and promoting word-of-mouth.

During the event SSC members welcomed visitors, and helped with the many indoor and outdoor activities. Event activities included decorating cookies, a cooking demonstration by Bon Appetit chefs, wool spinning and knitting classes, mushroom cultivation demonstrations and lip balm making. The Farm Food Program also hosted its annual Farmer's Market at the event. Other outdoor "hands-on" activities included a tall grass field maze, crop maintenance tasks in the greenhouse, potting up and taking home herb plants, and a plant identification contest, whose winners received a basket of fresh farm grown produce. This year the Farm Harvest Festival broke its attendance record and it was voted by the students the second most popular student event at CWRU.



FIRST THURSDAYS @ THE FARM



In its second year, the FIRST THURSDAYS @ THE FARM program hosted over 600 visitors during 2015. Starting in June of 2015, the farm administration invited the Case Western Reserve University community to visit CWRU Farm to learn about the many ongoing academic, research, and educational activities. The program took place on June 4th, July 2nd, August 6th and September 3rd from 5pm to 8pm. The Silo Theater, a multi-purpose room remodeled in 2010, thanks to the generosity of Mr. Mort and Mrs. Iris November, was the site for June and July's events. While The November Meeting Center, named in honor of the November family in 2014, was the site for August and September.

The event was open to CWRU faculty, staff, students, and alumni. The University affiliates and their families and friends enjoyed fun, relaxing evenings in a natural setting while learning about the farm's food production and environmental programs as well as wellness, nutrition, mindfulness, and sustainable lifestyle solutions. During the events, guests visited the Farm Food Program's gardens to learn about different types of crops, planting methods, irrigation system powered by solar panels, weed control methods, mushroom production, beekeeping activities and a Farmer's Market offered fresh-from-the-farm products. Food was provided in keeping with each month's theme and farm staff thoroughly enjoyed having the opportunity to engage, educate, and network with the CWRU community. FIRST THURSDAYS @ THE FARM are created, organized, and coordinated by CWRU Farm special event coordinator, Zoey Bond. Departments or organizations that would like to participate and or partner in these events in 2016 please contact Zoey Bond at Lzb@case.edu.



FIRST YEAR EXPERIENCE

CWRU Farm welcomes the class of 2019!



On August 20th, the First Year Students Orientation event took place at University Farm. The event was organized by the University Farm Administration. The First Year Student office assisted with the students sign up. The office of Sustainability assisted with speaker's recruitment and field activities coordination. The event is intended to raise awareness of environmental issues and highlight the CWRU sustainability initiatives in campus and at the Farm through outdoor learning sessions. The numerous research and educational activities at the University Farm are a perfect way to accomplish these goals. Forty-three outdoor learning sessions were offered. Speakers talked about different aspects of their own research programs, and Farm staff highlighted the Food Program topics such as soil, beekeeping, hydroponic, recycling, and energy savings. Other faculty members emphasized climate change topics, recycling and sustainability in campus. Faculty included members from Biology, Music, Physics, the School of Nursing, Engineering, and SAGES instructors. Other guest speakers included graduate and undergraduate students, Farm Staff and other food production experts on mushroom growing and beekeeping. The event took place from 8:30pm to 12:30pm. It is estimated that over 200 freshmen attended the event and 50 orientation leaders.

Students arrived at the Farm to a breakfast of fresh fruits, pastries, bagels and beverages. Bon Appetite (BA) used mostly produce donated by the Farm in the preparation of smoothies. Learning sessions took place from 10am to 11am. Students ended their morning with field activities organized by Erin Kollar and Stephanie Corbett from the Sustainability Office. Field activities included lawn games, parachutes, hiking, soccer, and kickball.

FACILITIES

Farm Upgrades

Facilities improvements continue focus on projects to reduce energy consumption and enhance the teaching and research facilities. The Manor House was hardwired to provide internet access. The project was done in collaboration with the campus IT and Construction offices. The second floor of the Main Barn was insulated and remodeled to accommodate for a computer lab and staff offices. The main parking lot by the Debra Ann November Greenhouse was paved and striped to accommodate 50 cars. The Main Barn back was painted to preserve the historical buildings. Shelter #4 was replaced after collapsing during a winter storm. Two sheds were installed to provide storage space for research activities and the Farm Food Program.

Facility Usage

All of the facilities continue to be a popular destination for university classes, department events and meetings, student group meetings and retreats, and outreach programs. Events hosted at the various facilities range from international conferences and outdoor training programs to small weekend retreats. The historic facilities are not only excellent venue to host such events, but hold many memories for university alumni. Many of the facilities are known by name: the Sheep Barn; Pink Pig, our "rustic cottage;" several picnic shelters; the Main Barn and Kutina Classroom; and Andrew Squire's own country estate, the Manor House.

During 2015, 64 groups booked the various picnic areas, generating 3,835 person-visits. The November Meeting Center hosted 43 groups, generating 3,675 person-visits. The Pink Pig accommodated 79 groups, generating 1,551 person-visits. The Kutina Classroom provided space for 80 groups generating 1,565 person-visits. The Manor House was the backdrop to 37 unique events.

Orientations for the School of Medicine, School of Dental Medicine, Anesthesiology & Perioperative Medicine, and Case Western Reserve's new faculty also took place at the farm's picnic grounds. These orientation picnics introduce the new faculty and professional schools to the farm facilities and its usages.

Several student groups continue to use the farm for special projects as part of their extra curriculum activities. The farm provides unique space and opportunities for outdoor projects.



*"to be cultivated and preserved as a farm for educational purposes...
to be a place where the practical duties of life may be taught; where the
teachers and students can come in close contact with , Mother Earth."*

-- Andrew Squire, 1932

COMMUNITY SERVICE

As part of its strategic plan, the university is committed to encouraging other organizations to use the farm. Area museums, academic institutions, local schools and community service groups are encouraged to use the farm's facilities, property and research areas for academic purposes.

The School Visitation Program is a hands-on program designed to reinforce concepts and field methods in the areas of environmental science, food production and ecology for local middle and high school students. During the academic year 2014-2015, the farm hosted seven school visits with over 300 students, seven teachers and 15 chaperones. The schools participating were Shaker Hts. Middle School, Michael R. White and Hathaway Brown.

Hathaway Brown School and Case Western Reserve continued their collaboration and usage of the farm facilities. During the academic year 2014-2015, 32 events were hosted at the farm facilities bringing more than 1,000 students, staff and guests to the farm. Their use of the farm facilities included the Sheep Barn, Pink Pig, Kutina Classroom, Manor House and picnic grounds. Visits included environmental programs for second, fourth and fifth graders, 11th and 12th-grade AP biology class field trips, middle school aquatic education, Advance Dance Company week-long retreat, early education student hikes and picnics, faculty and staff professional meetings, and social events.

GRANTS AND GIFTS

A Farm Annual Fund to raise funds to support new farm initiatives and programs was initiated in 2005. By means of this fund, individuals can now contribute directly to the farm during the university's annual fund drive. To date, \$32,000 has been raised thanks to the generosity of farm friends and neighbors. This fund is already being used for new initiatives such as trails brochures, green initiatives and support for the Farm Visitation Program.

Four new benches were generously donated to the farm in 2015. There have been a total of 30 benches donated to the farm by families of alumni, faculty and staff. This program helps to improve the farm outdoors while providing a new funding source to update the facilities.

2015 saw the addition of two memorial trees planted, a maple and a crabapple, through donations made to our Memorial Tree Dedication Program.

Donors to the Farm Food Program included the Bon Appetit Management Company for their generous donation of funds used towards the purchase of mushroom production equipment, as well as food for the First Year Experience Program and numerous volunteer days, Ivy Garth Seed Company for their continued donation of seeds, Waldo and Associates for their donation of products, Good Nature Lawn Care for their donation of services, and Chagrin Pet and Garden for their donations.



THANK YOU FOR YOUR GENEROUS SUPPORT OF THE FARM

Your continuous support has allowed us to develop new academic programs and to update our teaching and research facilities. Thank you again for your generosity. Your philanthropy for the farm can be expressed in several ways including:

- Farm Annual Fund: Gifts received in any amount to provide unrestricted income to develop new academic and conservation initiatives, as well as small facilities improvements.
- Farm Bench Dedication Program: A \$2,000 bench donation would help to update our art teaching facilities and to improve our outdoor areas at the farm. For more information please go to: studentaffairs.case.edu/farm/support/bench.html
- University Farm Endowment: This fund was established in 2007 to help improve and maintain the property's more than 20 structures and 400 acres of green space. Many of the farm buildings are over 100 years old and require extensive upkeep to preserve their rich history.
- Planned Giving: A planned gift to the farm would provide a benefit to you and your family by bringing immediate and deferred tax advantages to both you and your heirs.
- Memorial Tree Donation: A \$1,200 donation will plant a lasting memorial at the Farm. Gift includes the cost of a tree, selected by the Farm horticulturist, and memorial plaque. Funds for this program also help to support Farm Food Program initiatives and School Visitation Program.

If you would like to contribute or have questions about any of these opportunities, please contact us at 216.368.0274 or visit our website at studentaffairs.case.edu/farm/support/.



"To help one helps many -- like a ripple in a pond . . ."
--Mort November

In 2015, CWRU Farm lost philanthropist and dear friend, Mort November, at the age of 88. Mort and his wife, Iris, have supported this Farm through their financial generosity and their wealth of spirit. We are lucky to call them friends and to have witnessed, firsthand, their great work which inspires us to continue our own.



BEYOND OUR ACRES

Find your farm on campus, in the community, and online.

ON CAMPUS

Bon Appetit's "Eat Local Challenge"
CCEL Volunteer Fair
CWRU Student Job Fair
Weekly CSA pick ups (Seasonally)
CWRU Barnes & Noble Bookstore (farm products)
The Garden @ Case
Bon Appetit's Dining Halls

IN THE COMMUNITY

Local Food Mondays, Great Lakes Brewery (appearances)
The East 84th Street Peace Garden
Cleveland Metroparks Zoo (food grown for the animals)
Chef Jonathan Sawyer's Restaurants (seasonally)

ONLINE: @CWRUFARM





2015 CWRU FARM
ANNUAL REPORT SUBMITTED BY:
Stephen Campbell & Ana Locci

Photography by:
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"Since CWRU is an urban school, it is wonderful that students have the opportunity to escape to the farm. Every year at the Farm Harvest Festival, seeing students discover and appreciate the farm is my absolute favorite part. Students have the opportunity to learn about caring for and appreciating nature, which will undoubtedly stay with them as they move through their lives."

--Grace Cammam,
undergraduate student and chair, Student Sustainability Council

"The farm is an ideal location for our ecological studies. Not only can we collect baseline data from undisturbed, natural populations, but we can also conduct large-scale outdoor experiments. The research areas of the farm provide realistic conditions for our experiments that cannot be replicated in laboratory environments. Running our experiments in natural conditions allows us to accurately evaluate how environmental disturbances effect animal populations.

--Mike Benard, Ph.D.,
Associate Professor and Director of Graduate Studies

Squire Valleevue & Valley Ridge Farms
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students.case.edu/farm