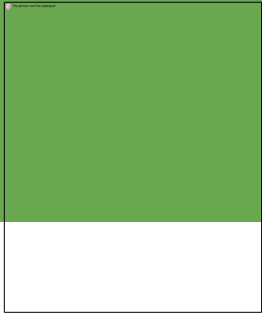


Jefferson County
Soil and Water
Conservation District

Every Acre Counts!

The Conservation District Supervisors are elected by registered voters in the county and serve four-year terms without compensation.



**Lisa Dettlinger,
Chair**

Lisa is the first Chairwoman of the district and is one of three urban supervisors. She joined the board in 2015.



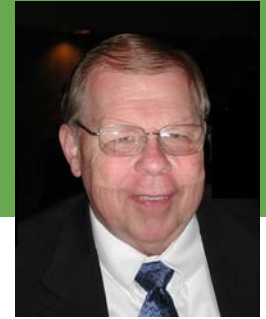
**Mike Farmer,
Vice Chair**

Mike is the current Vice Chair and has served the district since 2013



**David Kaelin,
Secretary/Treasurer**

David is the previous Chair and has served the district since 2011.



Ray Adams

Ray has served on the board since 2003 and also serves on state Conservation District Commission.



Jennifer Chappell

Jennifer is new to the board this year and is one of three urban supervisors.



Calvin Shake

Calvin is a farmer in Jefferson County and has served on the board since 2013.



Kedrick Stanfield

Ked is also new to the board this year and is one of three urban supervisors.



**Kurt Mason,
Advisor**

Kurt is employed by the USDA Natural Resources Conservation Service and serves as Jefferson County's Conservationist.



Youthbuild Louisville's urban farm learning plot.

Urban Agriculture Conservation Initiative Goals

Connect more individuals to urban agriculture and local food production through helping people better understand their soil resources and to manage those resources for sustainable production

Focus programming on the **food insecure** neighborhoods in Louisville, predominantly located in the west and south

Urban Agriculture Conservation Initiative

2016-2017 UAC Programs

- Education Through Partnerships
- Urban Agriculture Coalition
- Urban High Tunnel Initiative

Existing SWCD Support Program

- Soil Vouchers

Home garden in Douglass Loop neighborhood, 2017



Urban Agriculture Coalition

Common Earth Gardens

Louisville Grows

Jefferson County Cooperative Extension

The Food Literacy Project

Select JCPS schools

Metro Parks

Slowfood Bluegrass

Americana Community Center

Amanda Fuller, Lots of Food

Sustainable Agriculture Louisville

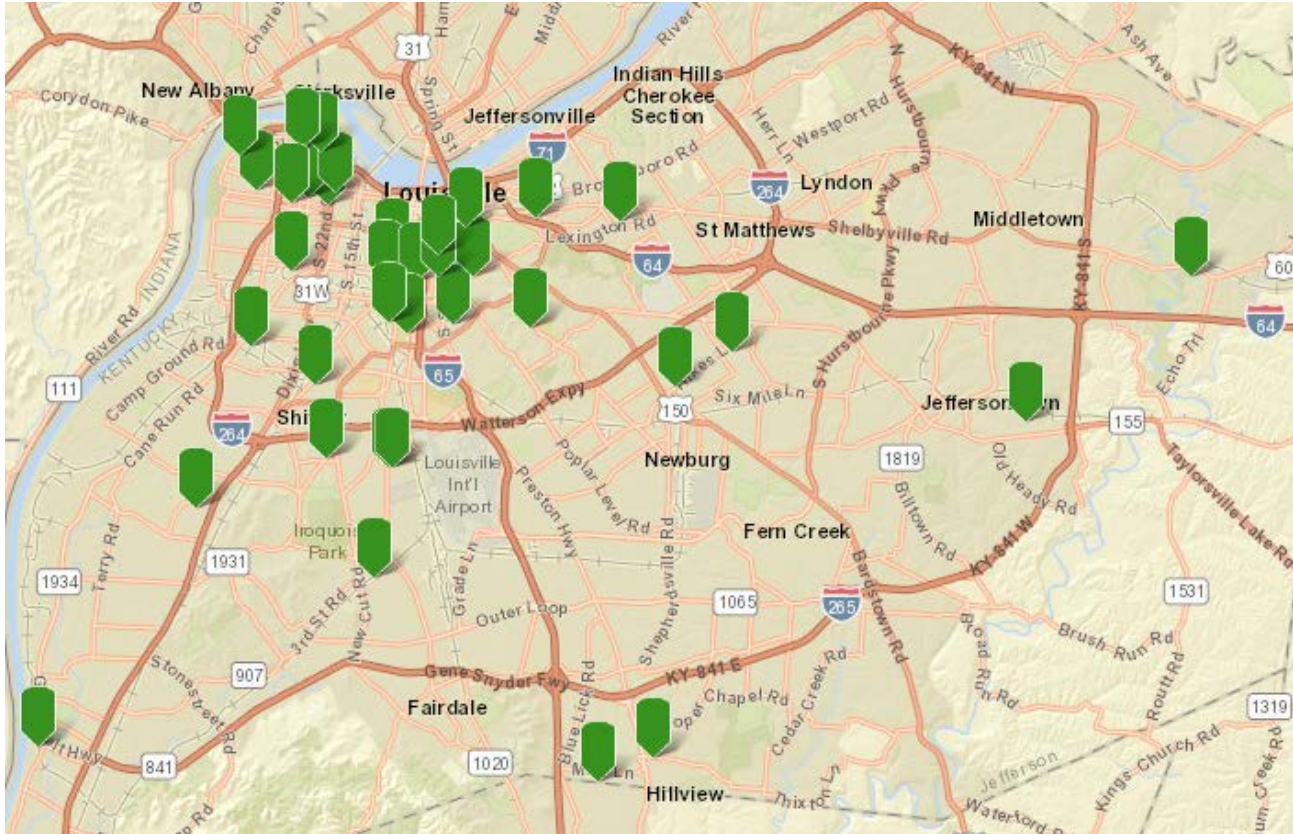
Old Louisville Community Garden Leader

Jefferson County SWCD

Urban Farmers

Dillon LLC

Jefferson County Community Gardens



www.foodinneighborhoods.org/grow/map/

Urban Agriculture Coalition

Collaboration

Communication

Increased Impact

Mission: Our mission is to create an equitable and resilient food system in Louisville, KY by: supporting and expanding home and community based food production and distribution, providing agriculture education and resources, and restoring the relationships between our gardens, their communities and ecosystems.

Programs through Partnerships

Working Together to Grow Impact

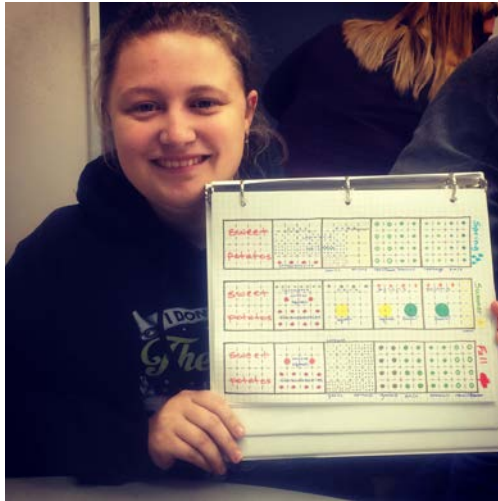
- **Workshops:** Access to more materials, meeting space and additional funding
- **Outreach:** Access to more individuals beyond those already connected to SWCD
- **Funding/Resources:** Partner organizations bring different resources to the table, i.e. in-kind relationships, in-house printing

Eat Local Grow Local Gardening Course

5-week course providing introduction to edible plant gardening in partnership with Jefferson County UK Extension. Participants learned to assess their home for garden placement, plan out and draw garden plans for each season with planting dates and learned to start plants from seed. Participants then schedule a follow-up visit with me for assistance at their home garden.



**3 Courses in Food
Insecure
Neighborhoods**



59 Participants

Lots of Fun!!



GREEN Infrastructure



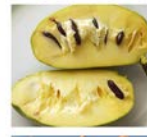
EDIBLE BUFFERS

EDIBLE BUFFERS are natural barriers that act as a water capturing and filtration system while doubling as a food source. In our urban environment, our watersheds are contaminated daily. Each time water washes over our paved surfaces it picks up all sorts of nutrients and contaminants and washes into our rivers and streams.

SOIL

Soil acts as a natural filter. When water rushes over the soil and is absorbed, nutrients and contaminants in the water are filtered out, reducing the levels in our watersheds. Our rivers and streams are healthier the more water is absorbed through our soils.

The Billy Goat Hill Community Garden and the Jefferson County Soil and Water Conservation District have planted this edible buffer of grapefruit trees at the base of a steep hill. As water rushes down the slope the barrier slows its flow allowing for more water to be absorbed into the soil. Though its leaves and roots one tree can store up to 100 gallons of rain water.



PAWPAWS

Kentucky's Native Forgotten Fruit

THE PAWPAW TREE is native to 26 states in the U.S., including Kentucky. It is an understory fruit tree that bears the **largest, native edible fruit** to the U.S.A. The fruit is tropical in its flavor, being described as a cross between a mango and a banana.

In Kentucky, pawpaw fruit is ready to harvest in September.

PAWPAW FACTS:

- Pawpaw trees grow in patches in the wild
- The flowers are pollinated by flies and beetles
- The fruit is ready to eat when it gives when squeezed gently and is easily removed with a gentle tug.



Edible Buffers

Reduce stormwater runoff

Place near roads and parking lots, slopes and waterways

Provide food source

Habitat For Humanity - Edible Buffer Site

Installation Work Day - May 20th



BEFORE





AFTER





Community Workshops

Square Foot Gardening
Composting
Cover Cropping and Season Extension
Rain Barrel Construction

RAIN BARREL WORKSHOP

JCSWCD + KY Waterways Alliance + Extension + River Network + Brown-Forman



School Gardens

Nativity Academy
JCPS Community Schools

Painting garden boxes at Robert Frost Academy, 2017





Nativity Academy, Extended Day Program
5th-8th graders



Downtown Urban School

- Surrounded by impervious surfaces
- Low tree cover
- Extreme weather temps



JCPS Community Schools Program



Cane Run
Elementary



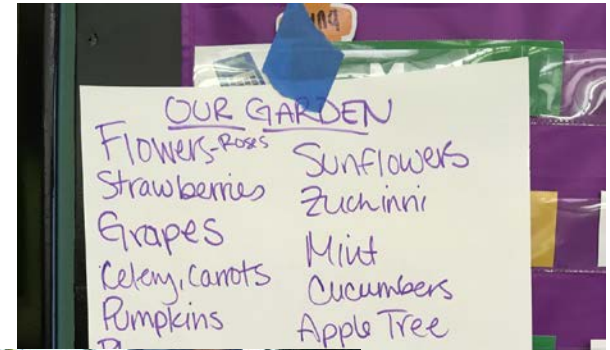
American Synthetic Rubber Company Sponsor

\$400 + Volunteers = Food Production with Kids!



Continuing for 2018

- Frost Academy Garden Club
- Cane Run Elementary Garden Club



Challenges to School Programs

- Teacher/Administration Buy In
- Point Person
- Limited Resources
- Aligning with Grounds Crew
- Consistent Maintenance of Garden



Urban High Tunnel Initiative

Increasing access to EQIP program cost-share to urban residents and organizations

High tunnels are more expensive in an urban setting

Urban High Tunnel Initiative

Goal - Increase access to year-round growing infrastructure for urban residents, adding 7,200 sq. ft. annually for the next 2 years

Geographic Focus - Jefferson County's food insecure neighborhoods

Eligibility - EQIP eligible

Participation Requirements - EQIP contract requirements and additional reporting to SWCD on production levels, distribution and production hours

BENEFITS

- Assistance from NRCS Urban Conservationist to complete application for EQIP program
- **Reduced out-of-pocket cost to applicant for urban structures (7% of total)**
- Technical assistance from SWCD Urban Agriculture Conservationist
- **Participation in learning community with other high tunnel recipients including workshops and farm visits**

SIZE

2 15'x48' Gothic tunnels
(1,440 total sq. ft.)

COST

\$5,253.80 each (\$10,507)
Applicant share: \$736 (7%)



SIZE

15'x20' Gothic tunnel (300 sq. ft.)

COST

\$3,380.80 total (\$11.27 per sq. ft.)

Applicant share: \$236.60



Nonprofit Partners - Hope Community Farm

SIZE

24'x92' (2,178 sq. ft.)

COST

\$10,944 (\$5.02 per sq. ft.)

Participant Cost: \$766.08 (7%)



2017 Funding Cycle

14 contracts approved through NRCS

9 located in low-income, food insecure neighborhoods

11 high tunnels constructed to date

2018 Funding Cycle

14 tunnels approved through NRCS, 9 tunnels funded solely through Humana funding

11 located in food insecure neighborhoods (L1 And LA at ½ and 10 miles)

35 tunnels constructed by year end



Grow Appalachia, located in Berea, KY, constructs a 12'x24' high tunnel in a participant's backyard.



Jefferson County
Soil and Water
Conservation District

Lilias Pettit-Scott, Urban Agriculture Conservationist

urbanagconservationist@gmail.com

(415) 595-5809

www.jeffcd.org

Contact our office for free soil vouchers!

(502) 499-1900