OUTDOOR WATER USE AND CONSERVATION
Department of Horticulture and Landscape Architecture
Oklahoma State University
• Water
• Water Conservation
• Responsible Water Use
Canton Lake, late Jan/early Feb 2013, water released to Oklahoma City
OKC Utilities

- Marsha Slaughter, Director
- Bret Weingart, Asst. Director
- Debbie Ragan, PR
- Nik Brewer, Water Conservation

Dr. Justin Q. Moss, Asst. Professor
Dr. Tracy Boyer, Assoc. Professor
Malarie Gotcher, Ext. Assoc.
John Schroeder, Ext. Assoc.
Dr. Kemin Su, Res. Specialist
Morgan Hopkins, MS student
Patrick Kanza, PhD student
Goals and Objectives

Promote Responsible Outdoor Water Use in Oklahoma City

- Major Focus on Outdoor Water Use
- Extension Education
- Workshops, Seminars, Trainings
- Surveys of Consumer Adoption, Acceptance, Behavior Change
- Knowledge Assessment
- Recycled Water Use
- Public Outreach and Awareness - websites, social media
Workshops and Outreach

Irrigation Audit Workshop

- Educate homeowners about appropriate ornamental plant selections for water conserving landscapes.

- Provide information on proper irrigation installation and management.

- Perform an outdoor irrigation audit with participants to demonstrate how a typical homeowner can audit watering techniques.
Irrigation Audit Workshops

ET: Evapotranspiration

http://sip.mesonet.org
Irrigation Audit Workshops
HLA-6610; http://osufacts.okstate.edu

Oklahoma Cooperative Extension Service
HLA-6610

Simple Irrigation Audit for Home Lawns in Oklahoma

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Turfgrass Research and Extension

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Extension Horticulturist

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Extension Turfgrass Specialist

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Extension Stormwater Specialist

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Agricultural Economist

Oklahoma Cooperative Extension Fact Sheets are also available on our website at:
http://osufacts.okstate.edu

method. Different plants may have differing water use rates, thus crop coefficients are needed to adjust ET, for the water requirements of a specific crop or plant. For the purposes of this fact sheet, we will use “ET_{turf}” to refer to the amount of water needed for turfgrass growth. The ET_{turf} is the amount of water needed by the turfgrass plant and takes into account ET, and turf crop coefficients for specific species. During the Oklahoma growing season, the daily ET_{turf} rate for cool-season grasses, such as tall fescue, will generally be higher than the
Irrigation Audit Workshops
Workshops and Outreach
Martin Nature Park Earth Fest Event

- Targeted youth in the OKC metro area.

- Utilized interactive games and activities to engage visitors in landscape water conservation.

- Challenged adults to compete with children in general concepts associated with water conservation.
Workshops and Outreach
Homeowner Associations

- Provide notifications in OKC water customers’ water bills about speaking at HOA meetings.

- Use available resources to educate these groups about water saving techniques.

- Make the general public aware of our goals and purposes for our water conserving mission.
Workshops and Outreach
Golf Courses and Parks and Recreation

- Irrigation Efficiency
- Irrigation Audits
- Smart Irrigation
Workshops and Outreach
Irrigation and Landscape Installation Companies

- Irrigation Efficiency
- Irrigation Audits
- Smart Irrigation
- OSU-OKC Workshop Friday, October 25, 8AM-Noon
Publications

Drought-Tolerant Plant Selections for Oklahoma
Publications

Residential Landscape Design Handouts
Demonstration Gardens
Demonstration Gardens
OSU-OKC John E. Kirkpatrick Horticulture Center
MANDATORY ODD/EVEN WATERING ROTATION NOW PERMANENT.

Click for more information.
STAGE 1 -
MANDATORY ODD/EVEN WATERING ROTATION NOW PERMANENT.

Click for more information.
<table>
<thead>
<tr>
<th>Level</th>
<th>Order</th>
<th>Water Restrictions</th>
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| 1 | 1 | Mandatory Odd/Even Lawn Watering  
Last number of the building address - 1, 3, 5, 7, 9 - water odd number days  
Last number of the building address - 0, 2, 4, 6, 8 - water even number days |
| 2 | 2 | 2 Day Per Week Lawn Watering  
Single-family resident address ends in odd number – Saturdays & Wednesdays  
Single-family resident address ends in even number – Sundays & Thursdays  
All others – Tuesdays & Fridays (duplexes, triplexes, homeowner association properties, commercial, industrial, government) |
| 3 | 3 | 1 Day Per Week Lawn Watering  
Single-family resident address ends in 1 or 3 – Saturdays  
Single-family resident address ends in 5, 7 or 9 – Wednesdays  
Single-family resident address ends in 0 or 2 – Sundays  
Single-family resident address ends in 4, 6 or 8 – Thursdays  
Duplexes, triplexes, homeowner association properties – Tuesdays  
Commercial, industrial, government, etc. – Fridays |
| 4 | 4 | Hand Watering Gardens & Flower Beds Only  
Commercial Car Washes with Water Recycling Operations Only |
| 5 | 5 | Ban on all Outdoor Watering & Vehicle Washing |
Combined Lake Capacity

- Lake Hefner
- Lake Overholser
- Lake Stanley Draper
- Canton Lake
- Atoka/McGee Creek Reservoir
Mandatory Odd/Even Lawn Watering
Last number of the building address - 1, 3, 5, 7, 9 - water odd number days
Last number of the building address - 0, 2, 4, 6, 8 - water even number days

2 Day Per Week Lawn Watering
Single-family resident address ends in odd number – Saturdays & Wednesdays
Single-family resident address ends in even number – Sundays & Thursdays
All others – Tuesdays & Fridays (duplexes, triplexes, homeowner association properties, commercial, industrial, government)

1 Day Per Week Lawn Watering
Single-family resident address ends in 1 or 3 – Saturdays
Single-family resident address ends in 5, 7 or 9 – Wednesdays
Single-family resident address ends in 0 or 2 – Sundays
Single-family resident address ends in 4, 6 or 8 – Thursdays
Duplexes, triplexes, homeowner association properties – Tuesdays
Commercial, industrial, government, etc. – Fridays

Hand Watering Gardens & Flower Beds Only
Commercial Car Washes with Water Recycling Operations Only
Ban on all Outdoor Watering & Vehicle Washing
SqueezeEveryDrop.com

How To Videos
• Currently link to some of our Oklahoma Gardening Television Content
• Working on production of videos this winter/spring
Website and Social Media

- www.thinkwater.okstate.edu
- www.facebook.com/thinkwaterosu
- https://twitter.com/ThinkWaterOK
Responsible Water Use Partnership

- Provide responsible outdoor water use tips for homeowners and recreational land use managers.

- Comprehensive plant lists and design techniques for using water appropriating in landscapes.

- Provide information to the general public about small changes that can be made to help save water in landscape applications