

WISER Lawns & Landscapes Workshops Lead to Water Savings

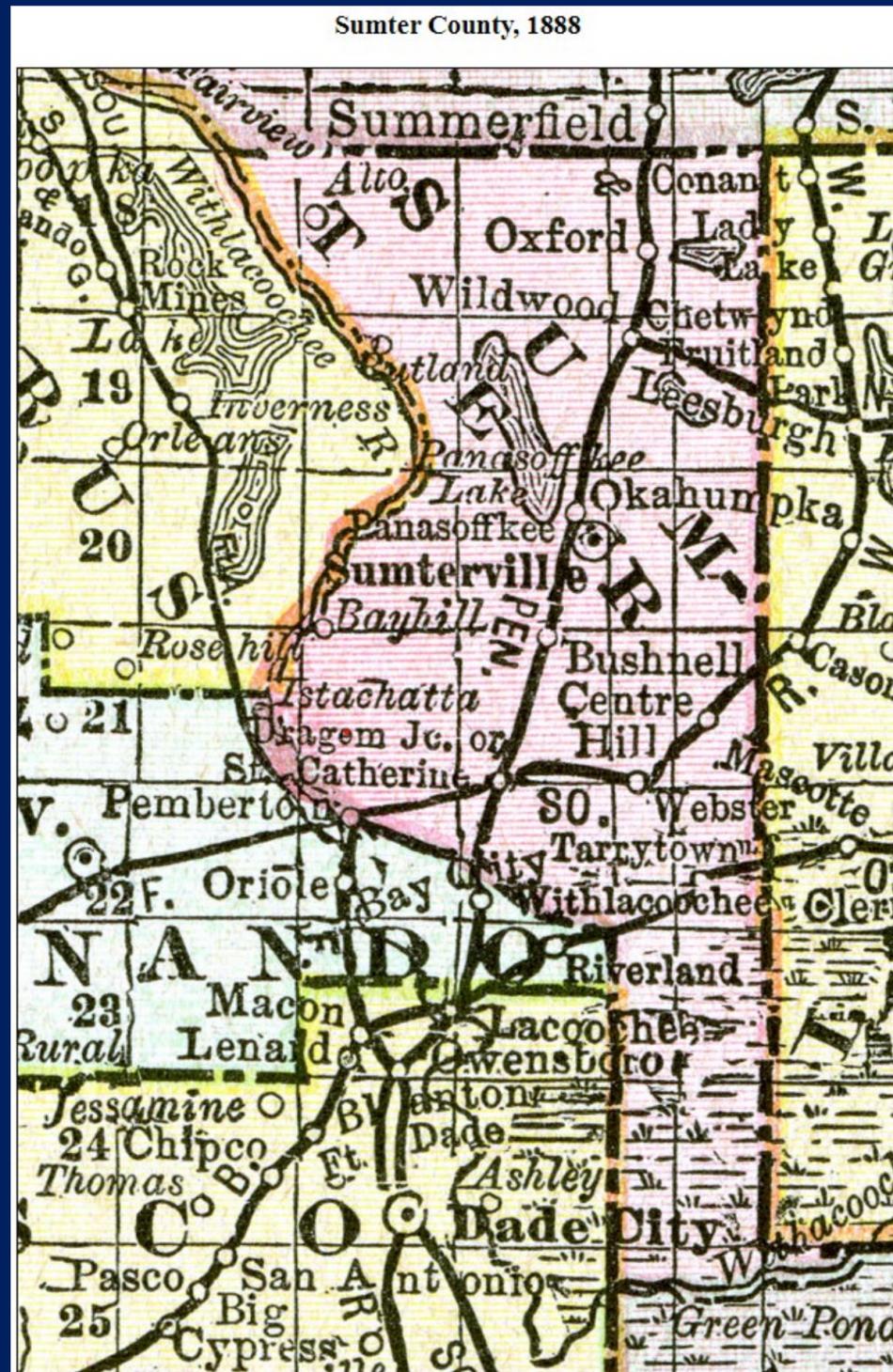
UF | IFAS Extension
UNIVERSITY of FLORIDA

Florida-Friendly
Landscaping™ PROGRAM 

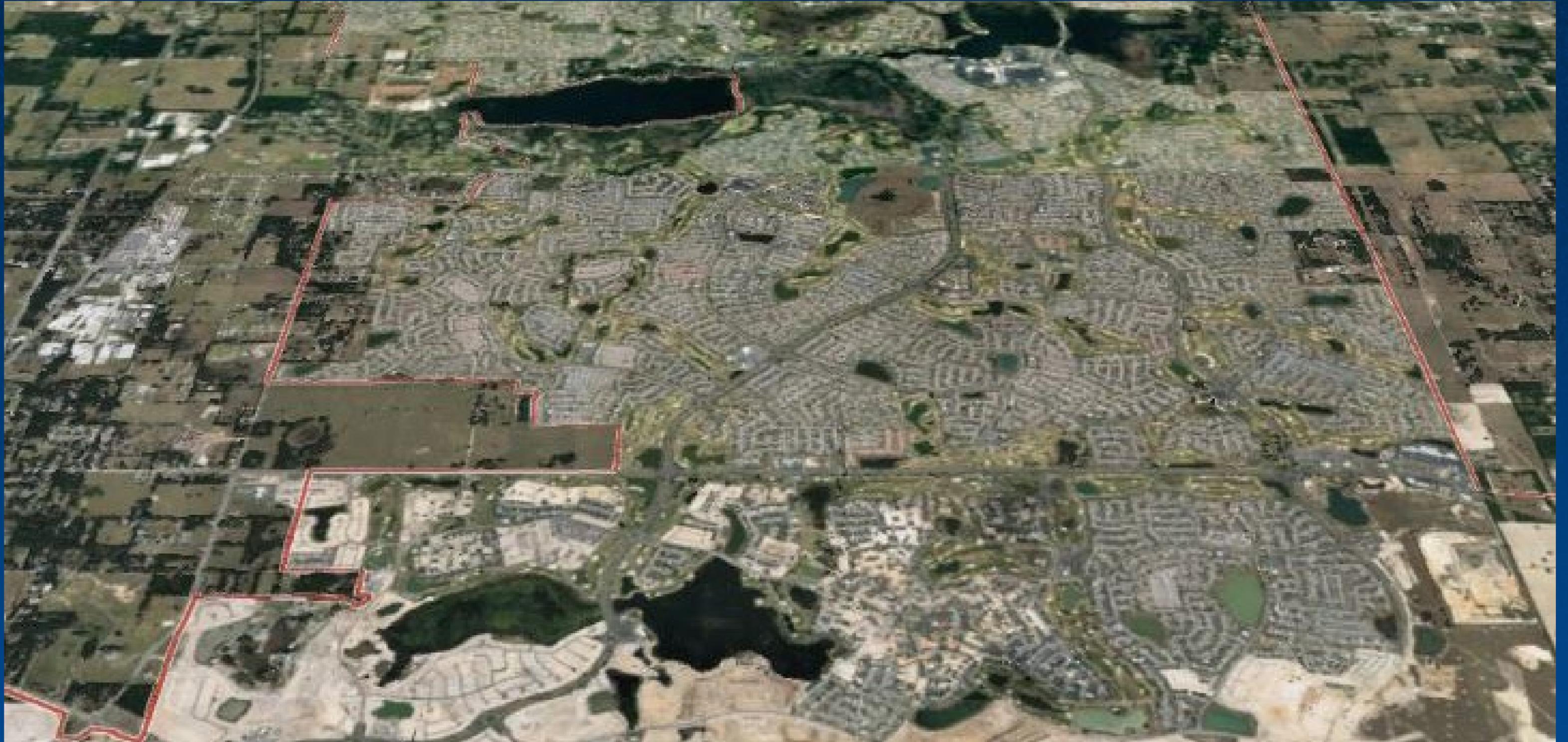
• *Water Institute Symposium*

**Lisa Sanderson, Residential Horticulture Agent
UF/IFAS Extension Sumter County**

Sumter County, FL



The Villages, Florida



The Floridan Aquifer



The Floridan aquifer system is one of the most productive aquifers in the world. This aquifer system underlies an area of about 100,000 square miles, and it provides water for several large cities, including Savannah and Brunswick in Georgia and Jacksonville, Tallahassee, Orlando, and St. Petersburg in Florida.

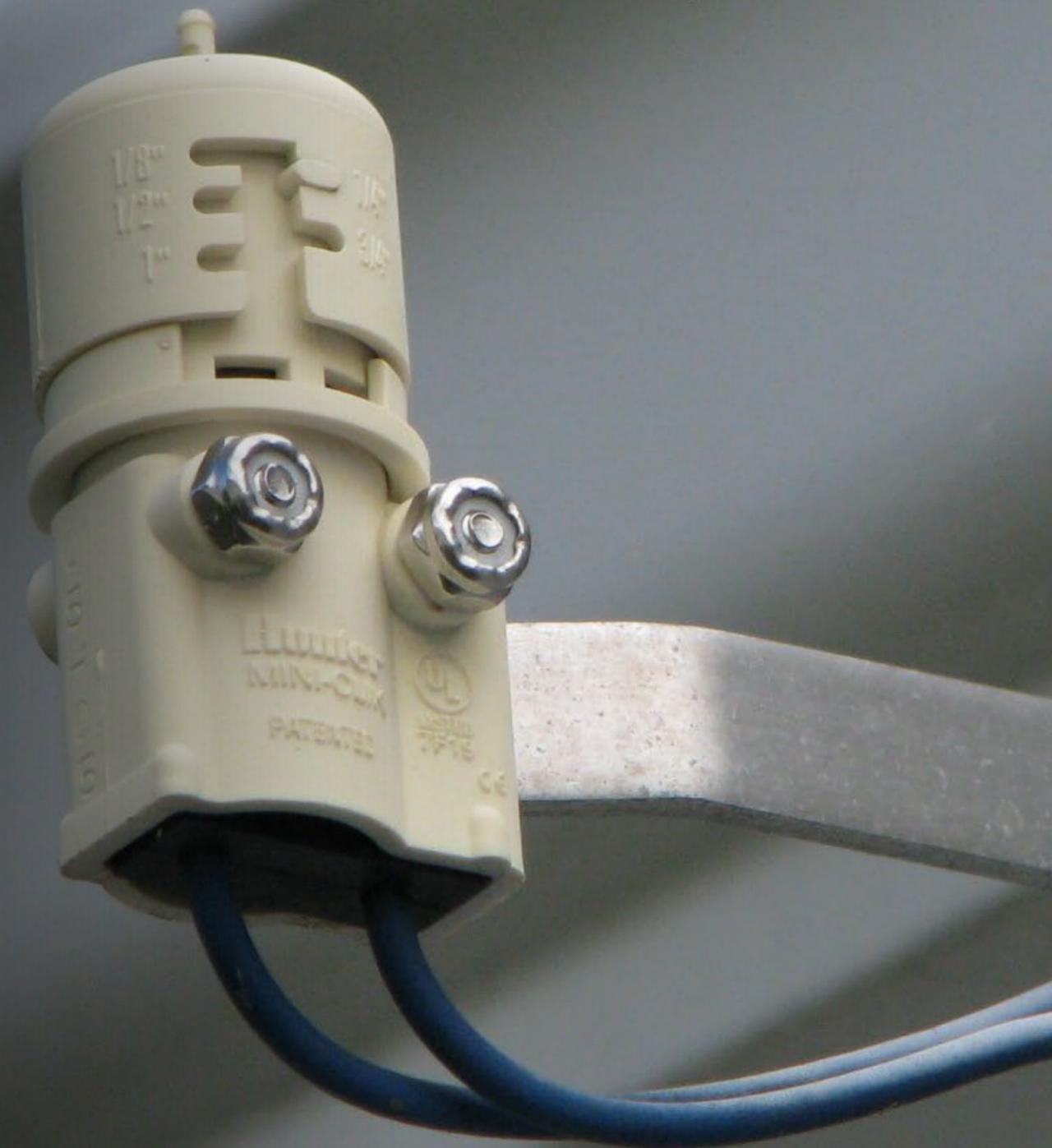


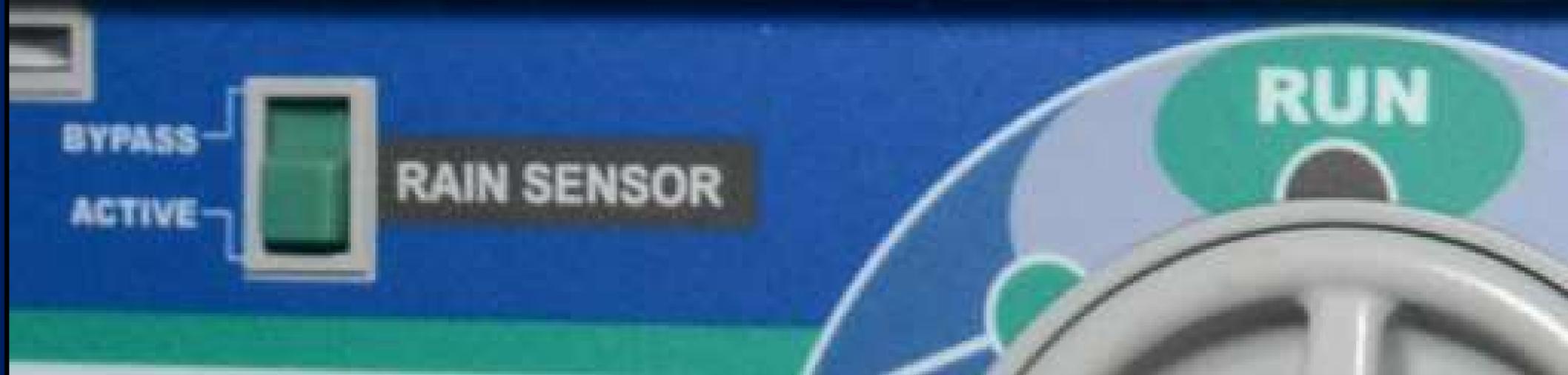
Turn Off Irrigation and On As Needed



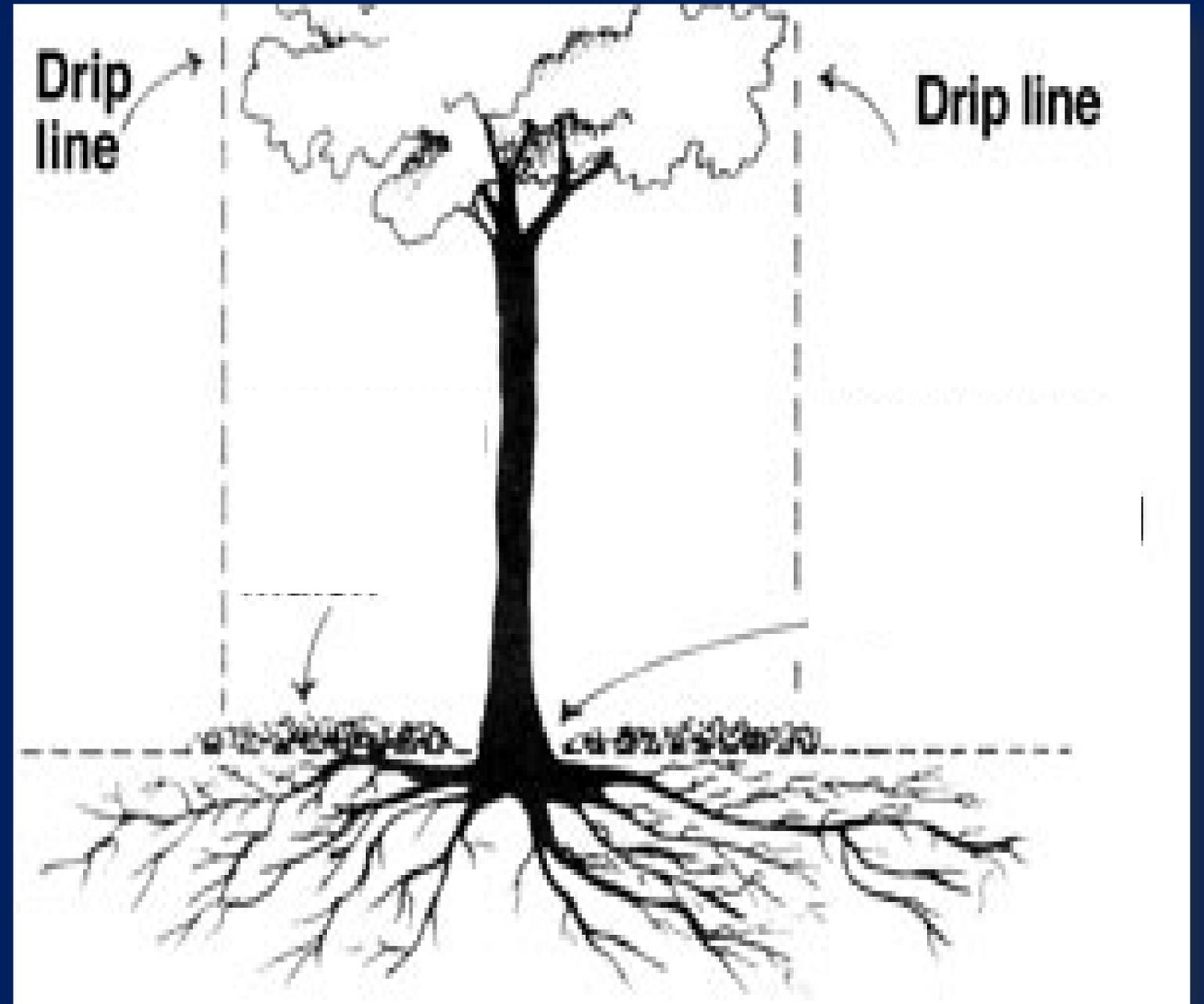
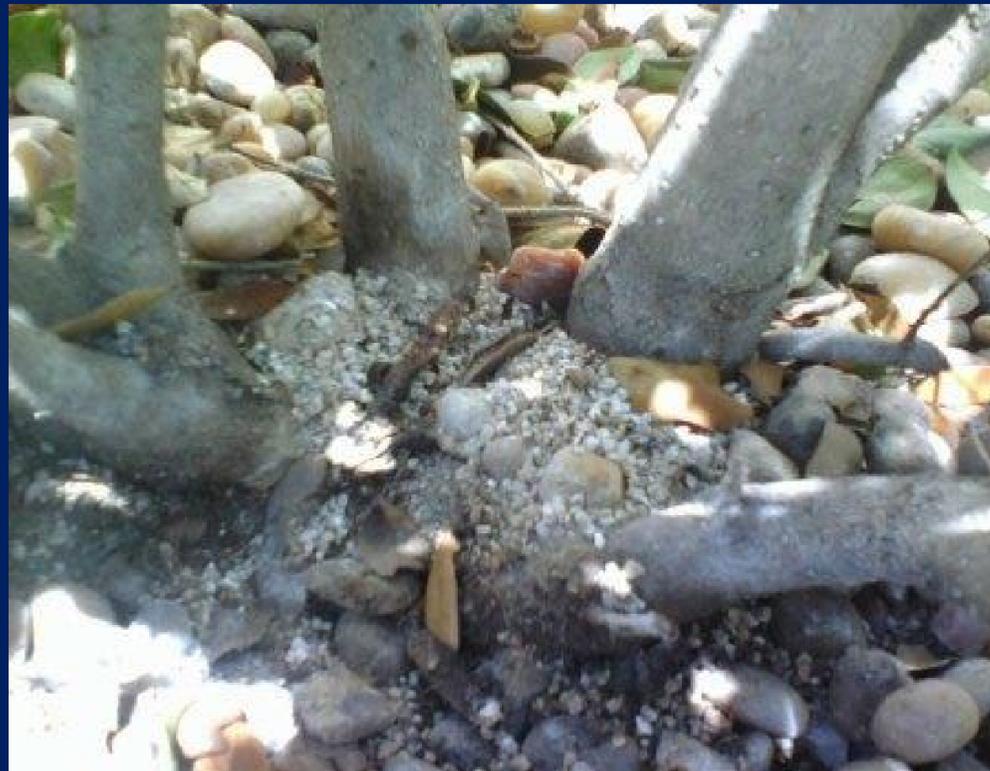


Rain Sensor









WISER Lawns and Landscapes for New Residents

- 3rd Tuesday, Two Locations, every month, for years
- 2 hours of 9 Principles of Florida-Friendly Landscaping™
- Offered to The Village residents
- Thursday same week – WISER webinar
- Introduces New Residents to environmentally sound practice

Selected Changes in Behavior

- 76% adjusted irrigation run times based on seasonal weather
- 71% checked for broken heads or leaks
- 31% reduced irrigating 3 days to 2 days per week (during the growing season)
- 76% set their irrigation on manual and irrigate as needed
- 67% water between 2 am and 7 am
- 60% minimize fertilizer use in the winter months
- 26% remove fertilizer from hardscapes

UF/IFAS Urban Water Conservation Impact Calculator

1. Please Select Unit Price for Water (\$/1000 gallons) in the Next Column (using drop-down menu) →	Southwest \$3.45	2. Input Average Sq. Footage of Irrigated Landscape (do not change if unknown) →	4,400
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Instructions: To use this spreadsheet for your program you need to do four things and Excel program will do rest automatically for you: 1) Select price per unit of water you want to use from the drop down list (#1), it can be a statewide average or a specific water management district you belong to; 2) Define the irrigated lawn/landscape sq. footage for your audiences, use your own sq. footage if you have data on average sq. footage of your audiences and update the cell with that number otherwise leave the value (average landscape for Florida residents) as it is in the cell if you do not know sq. footage of your audiences; 3) After updating the price of water and square footage, if applicable, move on to column with "No. of Participants Adopted the Behavior" (#3) and input the number of participants for each behavior; and 4) if converting turfgrass was a behavior, input the average percentage converted. A caution: Water-savings figures associated with the adoption of multiple behavior changes are unavailable. As a conservative estimate, we recommend calculating savings based on the single behavior change that results in the greatest water savings. Select the "Impact" tab below for your impact statement and helpful links.

Water Conservation Behavior	Average Water Savings (gal/1,000 sq. ft./yr) due to Adoption of a Behavior	3. Input the number of Participants Adopting each Behavior ↓	Total Sq. Footage of all Participants' Irrigated Lawn/Landscape	Total Annual Water Savings (gallons) for all Participants	Total Annual Savings on Utility Bills (\$) for all Participants	Annual Water Savings (gallons) per Participant	Monthly Water Savings (gallons) per Participant	Annual Savings on Utility Bills (\$) per Participant	Monthly Savings on Utility Bills (\$) per Participant	Annual Savings to Water Utilities (\$)	Water Supply for Other Properties (in numbers)	4. If converting turfgrass area was one of your behaviors, input the average percentage of turfgrass converted to landscaped bed with micro irrigation ↓
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Water Savings

- 3.9 Million Gallons of Water
 - Could supply 45 households based on 88,000 gallons/year
 - A value of \$13,742
 - \$10,357 in water delivery cost based on \$2.60/1,000 gallons

Thank you!

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