

Drip Irrigation Basics

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Heads Up Sprinkler Company

www.headsupsprinkler.com

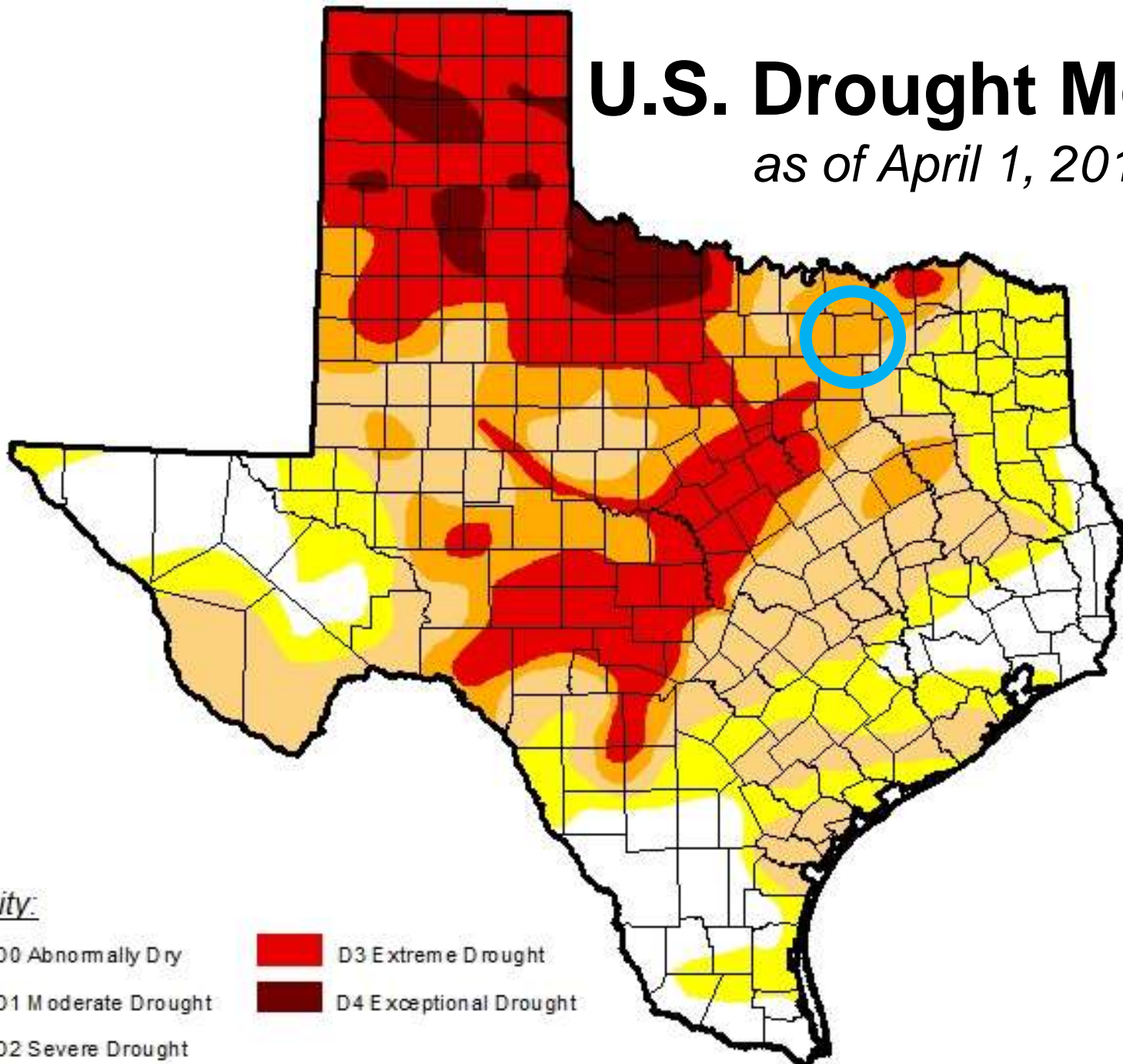
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U.S. Drought Monitor

as of April 1, 2014

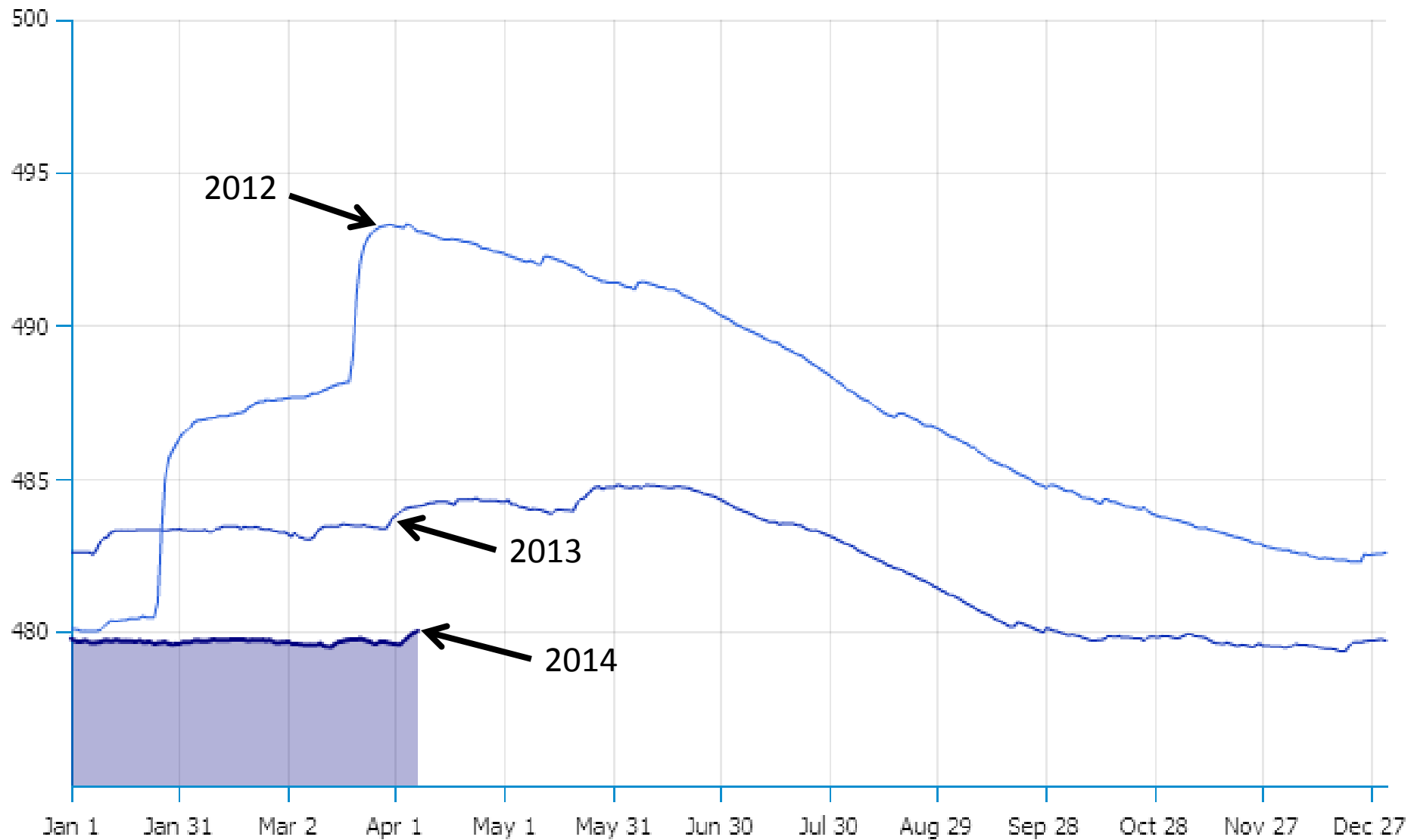


Intensity:



Lavon Lake Elevation

as of April 7, 2014



Irrigation is a Licensed Profession in Texas

TCEQ -- Texas Commission of Environmental Quality

- Regulates Irrigation in Texas
- Administers Licensing and compliance
- Establishes & Maintains Texas Rules & Regulations for Irrigation Water Use
- Protection of Potable Water



EPA Federal Environmental Protection Agency

- Establish, Maintain & Enforce Federal Regulations & Guidelines
- Water Sense Program Management (Partners & Products)



Municipality Role

- Establish, Maintain & Enforce Local Code
- Development and Management of Water Conservation Programs

BY LAW: ONLY LICENSED IRRIGATORS AND HOMEOWNERS ARE ALLOWED TO WORK ON SPRINKLER SYSTEMS

What is Drip Irrigation?

Micro-irrigation with low volume (measured in gallons per hour) and low pressure release of water to a specific root zone through point source emitters or pressure compensating in-line drippers.



**Drip Irrigation
is 90% Efficient!**

Drip Irrigation vs. Soaker Hoses

- Pressure regulated
- Better precision
- More options for watering
- Easier to repair

- Low pressure
- Delivered directly to plant roots
- Less water loss due to evaporation

- Less expensive
- Easier to setup
- Different flow rates from start of hose to end of hose



Types of Drip Irrigation

Surface



Subsurface



Point Source Emitters



Microdrip



Microsprays are NOT drip irrigation; they are measured in gallons per minute.

Applications for Surface Drip

- Flower beds, landscaped areas, gardens, and trees
- Best when covered with mulch



Applications for Subsurface Drip

- Parkway strips, turf and foundations



Applications for Point Source Emitters

- Individual plants and shrubs



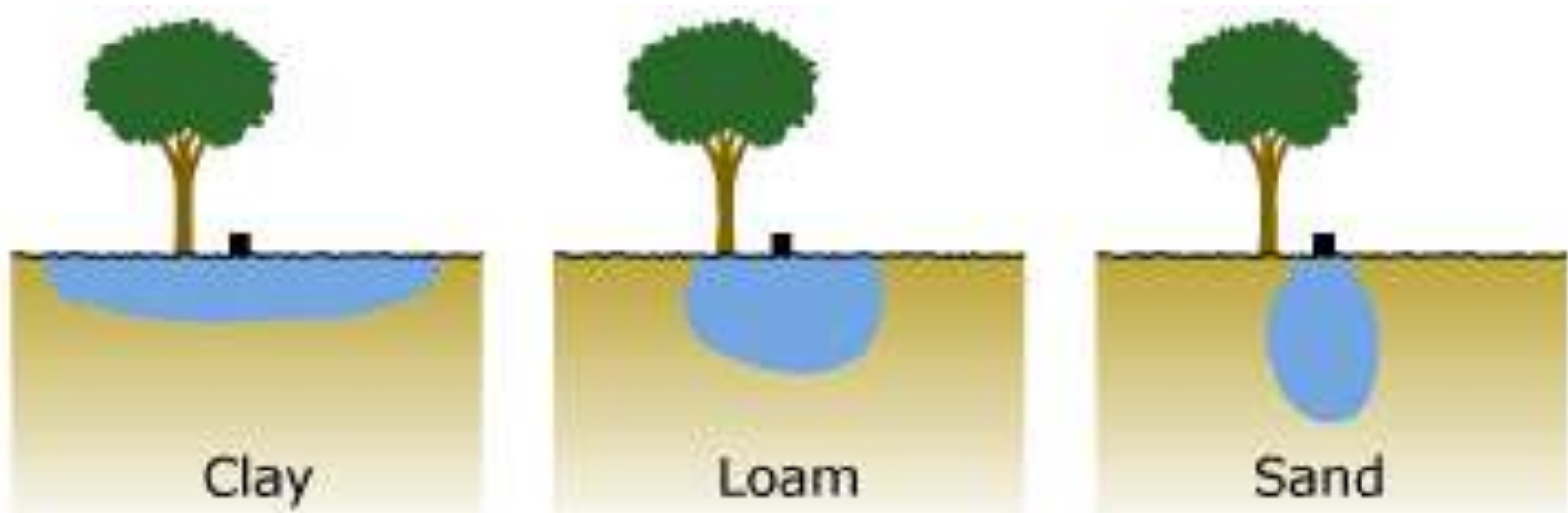
Applications for Mircodrip

- Potted plants & container gardens



Soil Application Rates

- Clay soil holds water, but takes a while to soak in
- Mulch is key with drip irrigation or soaker hoses to hold moisture at plant roots



What do I need for drip irrigation?

- Automatic Irrigation System – Controller Requirements
 - Option for Program A & Program B
 - A “free” zone space on your controller
 - Pressure Regulated Valve & Filter Kit
- Connecting to a Hose Bib
 - Backflow preventer
 - Pressure regulator
 - Filter
 - Timer



Questions?

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