This presentation premiered at WaterSmart Innovations

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INNOVATIONS

uLANDSCAPEit

Texas A&M AgriLife Research | Extension

Water University

Presented by:

Patrick Dickinson

uLANDSCAPEit

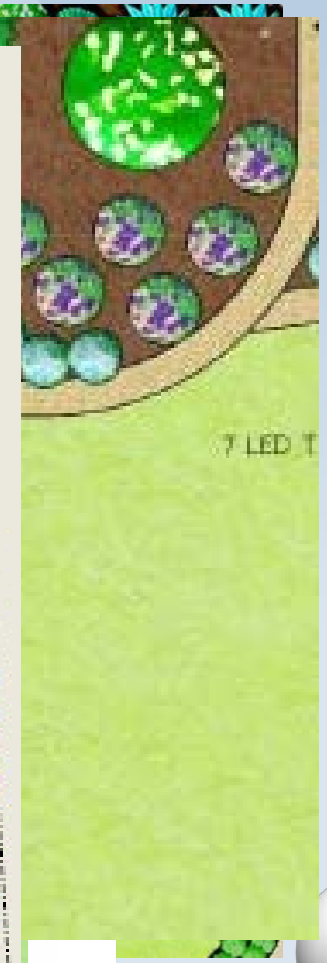
Water Saving
Landscape
Design Toolkit
For Homeowners

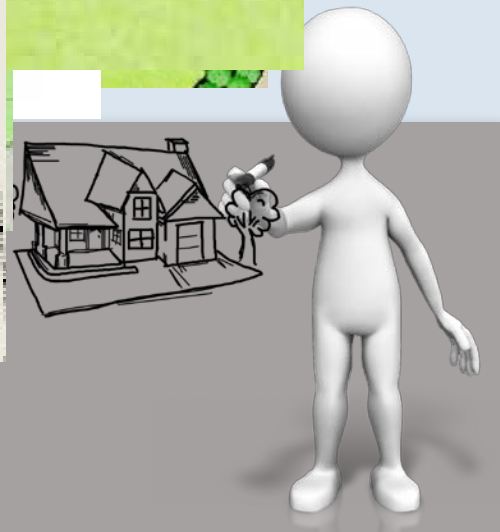
Landscape On A Budget

DIY Landscape Design

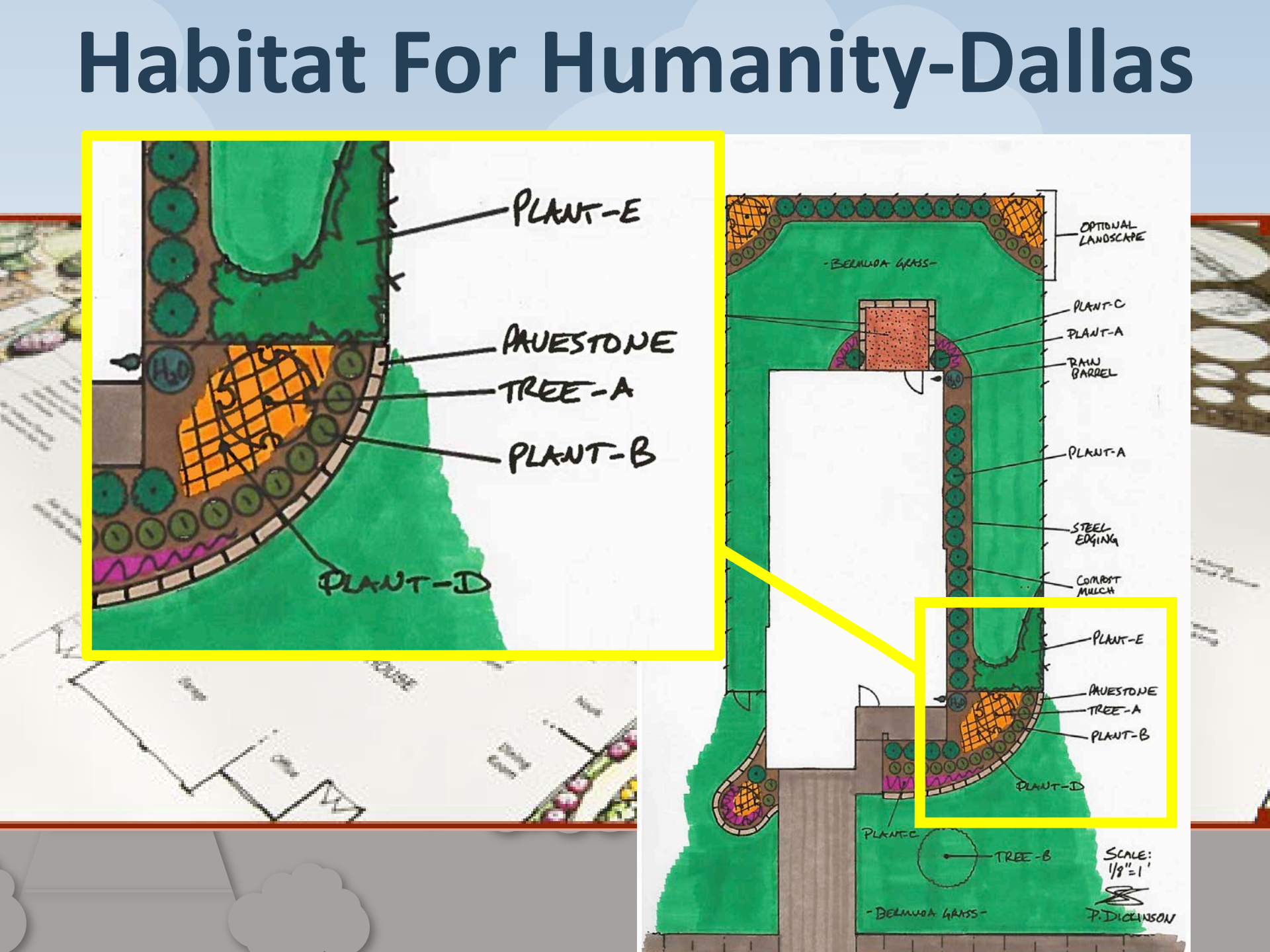
- 10 Template Landscape Designs available online.
- Multiple plant choices- Native/Adaptive


TURF
PORCH
KITCHEN
GARAGE


LED



Habitat For Humanity-Dallas



Plant A

Dwarf Wax Myrtle

Dallas Habitat Landscape
Materials Key:

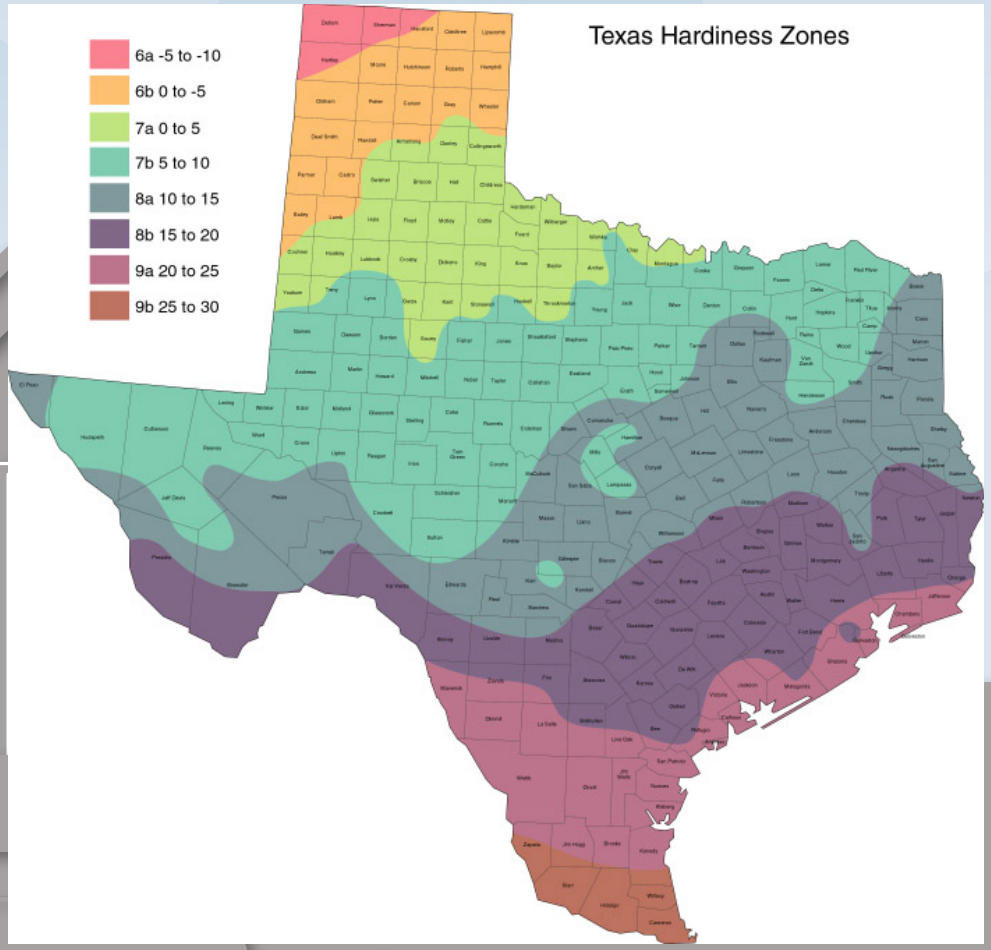
Plant A

Dwarf Wax Myrtle
4'x4' Evergreen
Full Sun, Partial Shade, Shade
Birds
Hedge, Shrub Borders, Accent

lant D

Tree B

Plant Selection & Placement



Macro-environment

- Hardiness Zone
- Soil Type and pH
- Water

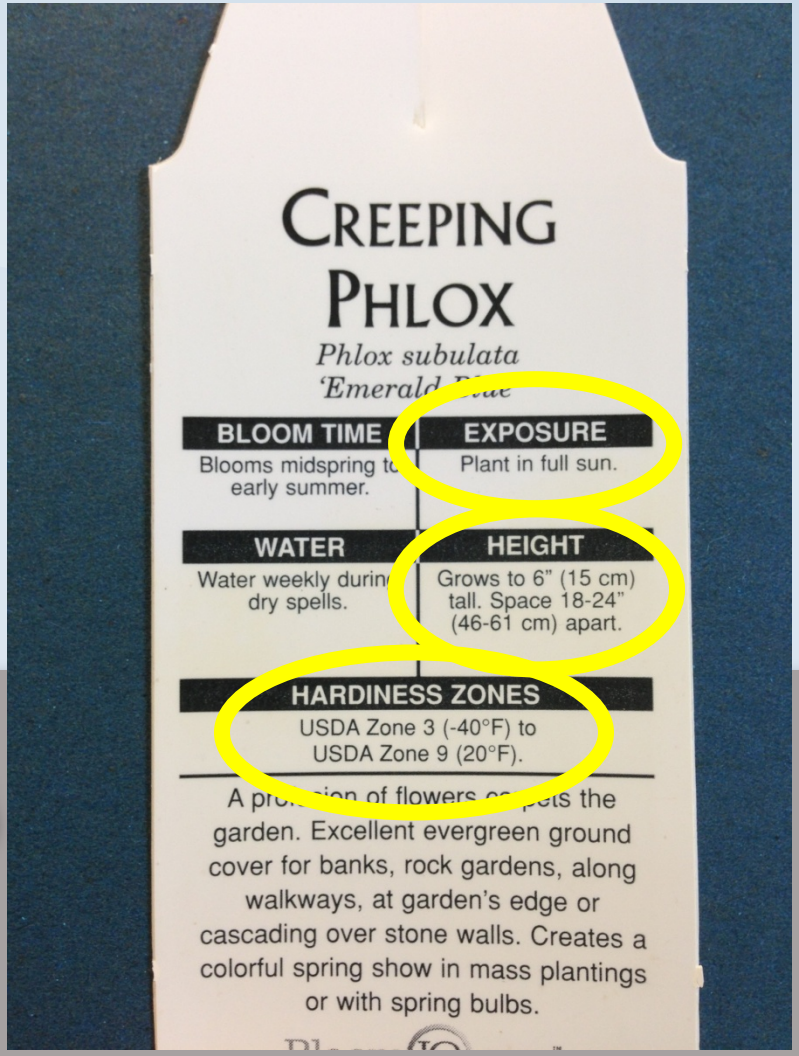
Micro-environment

- Sun/shade
- Buildings/structures
- Pavement
- Irrigation

Native & Adaptive Plants

Be a Better Educated Consumer

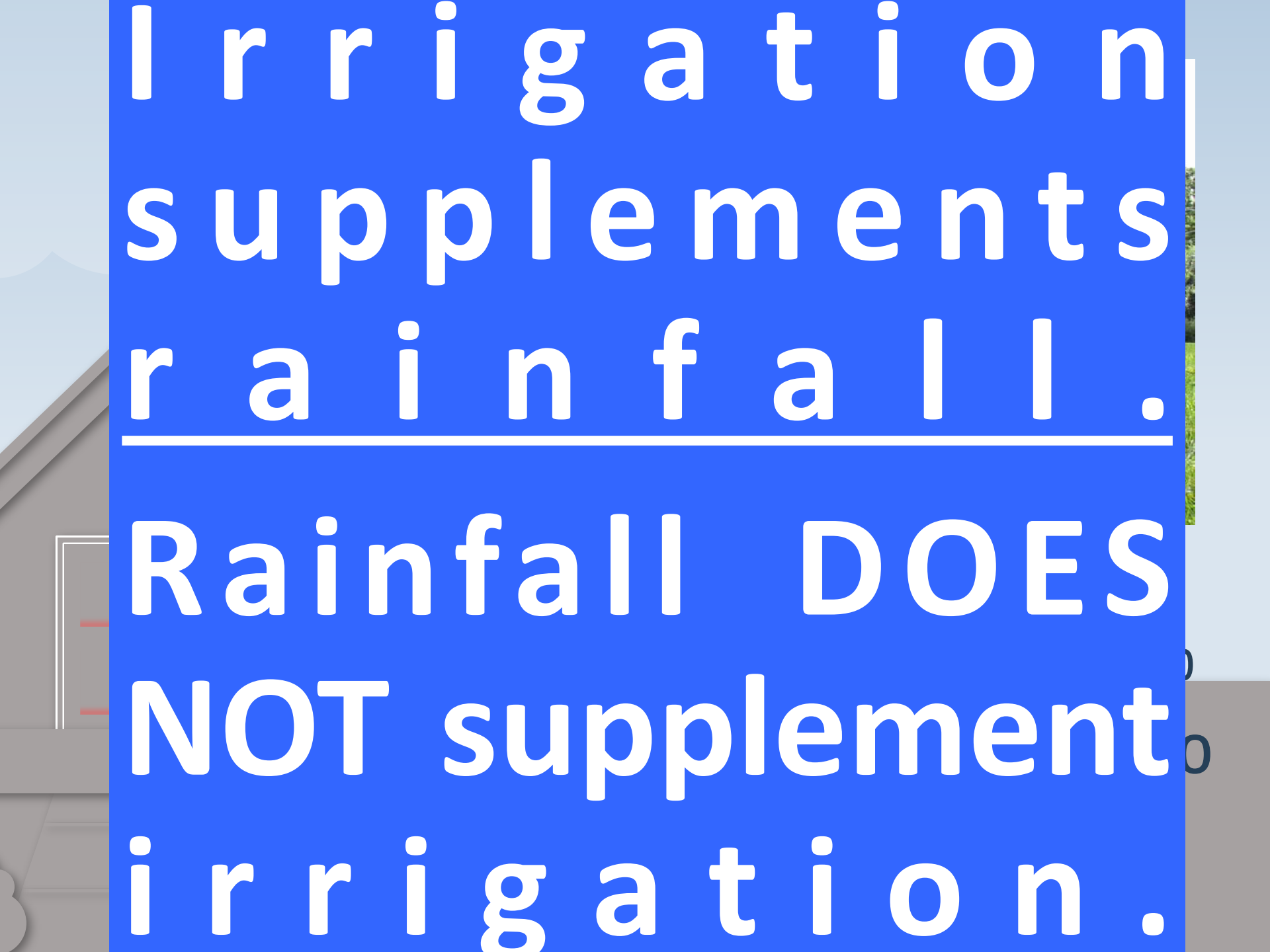
- Read the plant tag!
- Pay close attention to hardiness, sizing, and spacing



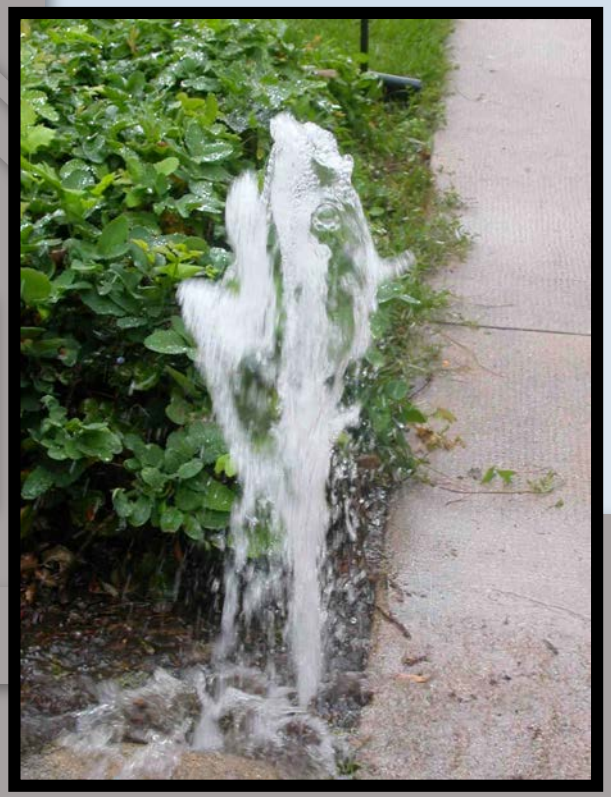
Proper Planting

Mulch

- Increases water absorbing capacity
- Increases water holding capacity
- Reduces water evaporation
- Reduces erosion
- Helps control weeds
- Moderates soil temperature
- Break down into plant nutrients


Irrigation supplements rainfall.
Rainfall DOES NOT supplement irrigation.

Common Irrigation Problems



- Over watering
- Improper design and installation
- Improper scheduling practices
- No routine maintenance

Better Nozzles

Increase efficiency of spray irrigation by replacing spray nozzle with multi-stream rotors. More than 60% more efficient than regular nozzles.

Drip

- The most Efficient Irrigation
- 90% efficiency
- Easily installed
- Reduces water loss due to evaporation.
- Reduces water lose and contamination due to runoff.
- Reduces leaching of water and nutrients below the root zone.
- Saves Water and Money

Drip Conversion for Existing Systems

Rainwater Harvesting

Rainwater Harvesting is the process of capturing, diverting, and storing rainwater for future use.

Why Harvest Rainwater?

- Reduces demand on municipal water supply
- Makes efficient use of a valuable resource
- Reduces flooding, erosion, and contamination of surface water
- SAVES MONEY!!

Home BMPs

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Texas Senate Bill #198

Relating to restrictive covenants regulating drought-resistant landscaping or water-conserving natural turf.

A property owners' association may not include or enforce a provision in a dedicatory instrument that prohibits or restricts a property owner from:

- implementing measures promoting solid-waste composting of vegetation, including grass clipping, leaves, or brush, or leaving grass clippings uncollected on grass;
- installing rain barrels or a rainwater harvesting system;
- implementing efficient irrigation systems;
- using drought-resistant landscaping or
- water-conserving natural turf.

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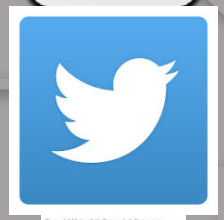

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