

Session 4:

Landscaping in the Shade

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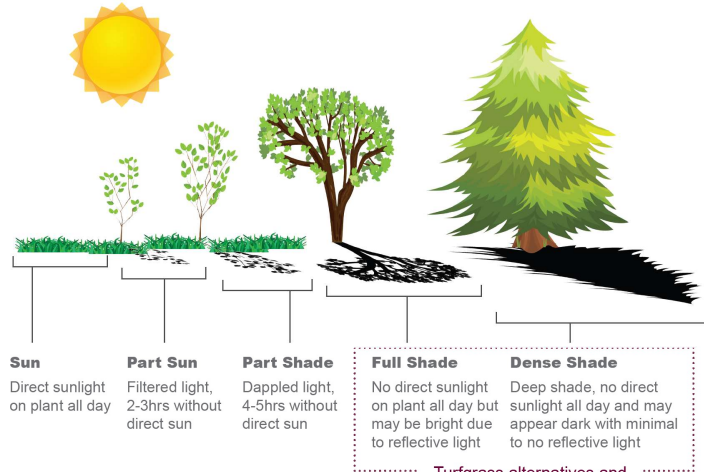
Overview



- Evaluating Shade
- Managing Shade
- Shade-tolerant Plants

Types of Shade

- Light
- Shifting
- Partial
- Dappled
- Full
- Dense
- Deep

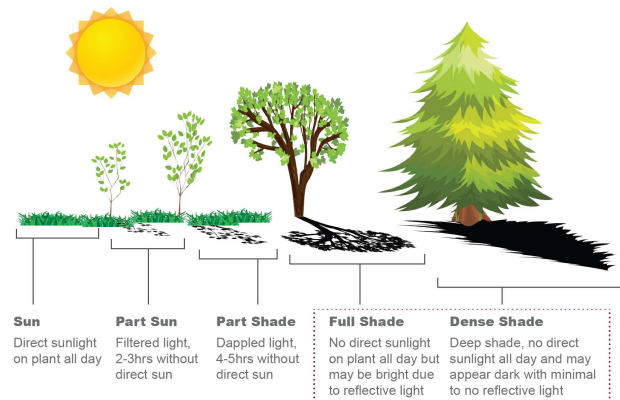


Turfgrass alternatives and shade-loving plants work best in these areas

(Photo Credit: Texas A&M Water University)

Types of Shade

Full Sun	6 hours of unobstructed, direct sun
Partial Sun	3 to 6 hours of sun
Partial Shade	3 to 6 hours of shade
Full Shade	Bright light, little to no direct sun (dappled light)



Turfgrass alternatives and shade-loving plants work best in these areas

Shade-Tolerant Plants Prefer:

- Less than 4 hours of full sun
 - morning or evening sun is best
 - Avoid 11:00am to 3:00pm
- Shifting shade from taller trees
- Partial, mottled/dappled shade (all day)



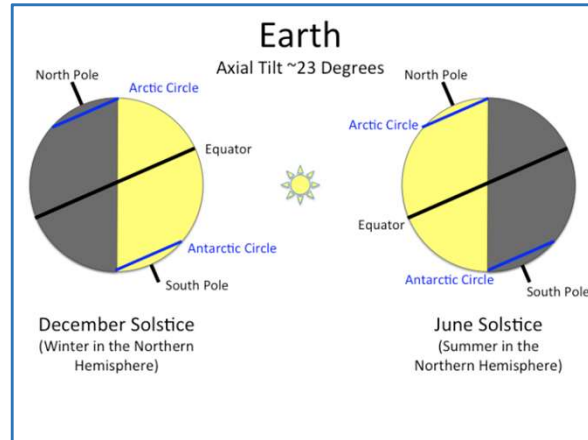
“Shady” Site Conditions

- Dense canopy shade (sun not visible from ground level)
- Wet, dry or heavily-rooted shaded areas
- Shade from buildings/fences



Shade Changes

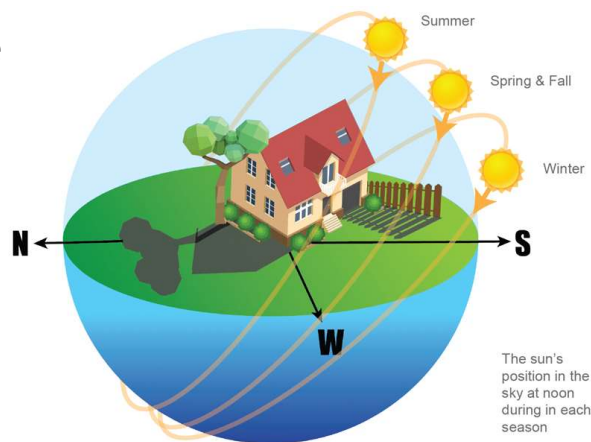
- Throughout the day
- Seasonally
 - shadows shorter in summer/longer in winter



(Blogs.nasa.gov)

Plant Light Requirements

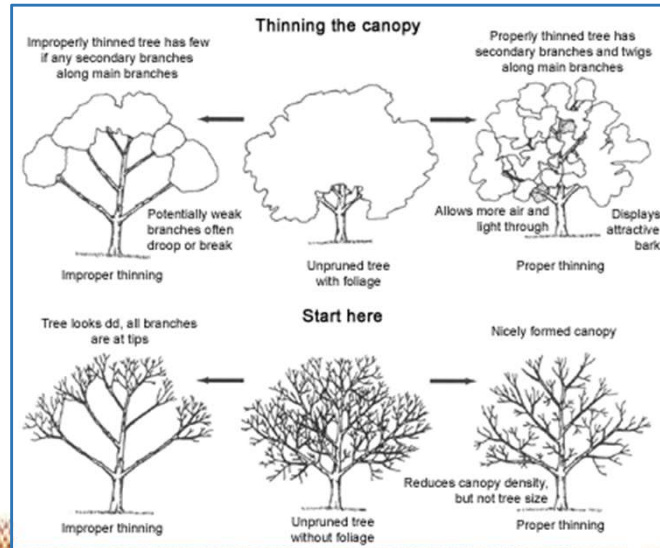
- As trees mature



(Photo Credit: Texas A&M Water University)

Managing Shade: Remove Shade

- Right plant, right place
- Prune plants
- Lift/thin canopy



ISA Certified Arborist for Tree Care

Certified Arborist can assist with:

- Planting
- Pruning
- Removal
- Emergency tree care
- Removal



**FIND AN
ARBORIST**



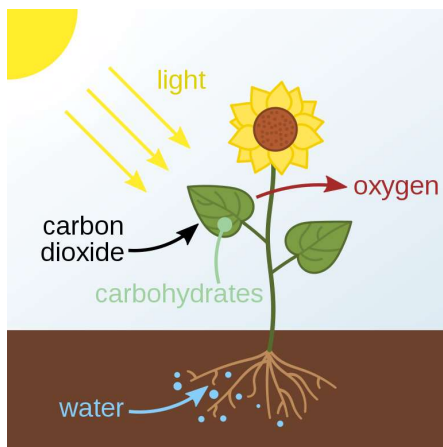
(ISA-Abora.com)

Managing Shade: Creatively Coping



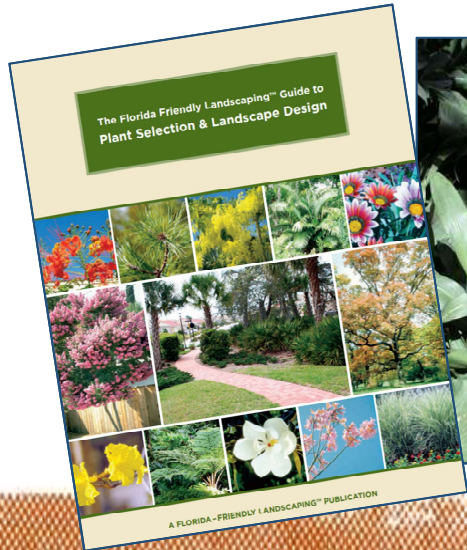
- Sitting area
- Container gardens
- Provide for wildlife
 - Bird Feeder
 - Birdbath
- Garden Art

Considerations for Shade Gardening



- Fertilizer does not compensate for inadequate light.
- Plant cold-tender plants under tree canopy
- Shaded lawns:
 - Mow at highest recommend height
 - Needs less fertilizer and water
- Use light colored flowers for color

Florida-Friendly Landscape Guide to Plant Selection and Landscape Design



Aspidistra elatior Cast Iron Plant, Barroom Plant				
N	C	S	8b-11	No
Slow	1-3↑	1-3⇌		
○ ● ○ ○	Any			
☾	Medium			
		L-N		
dark, green, glossy foliage; brown flowers periodically throughout the year; tolerates deep shade better than most plants				

Shade-Tolerant Plants: Adaptations



- Broader leaves
- Less/more flowering
- More energy-efficient
- Slower to grow
- More colorful/green

Shade-Tolerant Plants



- Broad leaf plants
- Most ferns
- Tropical perennials (Acanthaceae family)
- Woodland native plants
- Foliage/houseplants

Shade-Tolerant Plants



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Assessments

Epipremnum pinnatum cv Aureum



SOUTH

Invasive

Assessment Status: Complete

CENTRAL

Caution

Assessment Status: Incomplete

Shade-Tolerant Plants: Palms/Cyads

Coontie



Blue-stem/dwarf palmetto (sabal minor)



Shade-Tolerant Plants: Shrubs

Azalea



Trinette



Shade-Tolerant Plants: Ferns

Sword Fern



Cinnamon Fern



Shade-Tolerant Plants: Groundcovers

Mondo Grass



Asiatic Jasmine

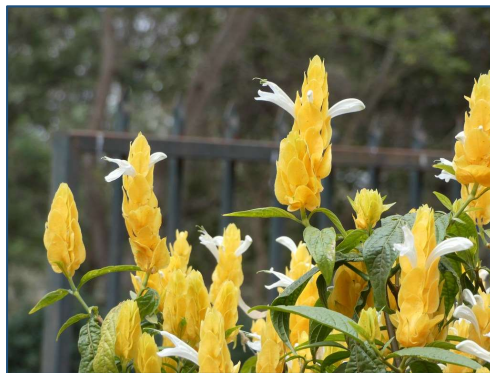


Shade-Tolerant Plants: Colorful Perennials

Cossandra



Yellow Shrimp Plant



Turf and Shade



- Most species need at least 6 hours of sun
- Sun requirements vary by
 - Species
 - Cultivar
- Turf grown in shade
 - More green
 - Less drought stress

Turf and Shade: Shade-tolerant Species



- **St. Augustine Grass**
 - Most shade-tolerant Cultivars: Seville and Delmar
 - Dwarf cultivars are more successful in shade

Turf and Shade: Shade-tolerant Species

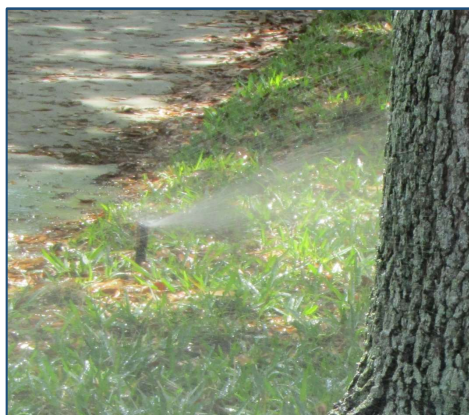


- **Zoysia**
 - De Anza, Diamond, El Toro, Zorro
 - Some cultivars are prone to thatch
 - Reel mowers for fine-bladed cultivars

Turf and Shade: Management Practices



Reduce fertilizer application.



Irrigate less.

Turf and Shade: Management Practices

Turfgrass Species	Optimal Mowing Height (inches)
St. Augustinegrass	3.5-4.0
Dwarf/Semi-dwarf St. Augustinegrass	2.5
Zoysiagrass (coarse)	2.0-2.5
Zoysiagrass (fine)	0.5-1.5



Mow at highest recommendation for cultivar.

Turf and Shade: Management Practices



Photo: UF/IFAS

Avoid heavy traffic.



Replace with groundcover.

Turf and Shade: management practices



- Reduce fertilizer application.
- Reduce irrigation.
- Mow at highest recommendation.
- Avoid heavy traffic.
- Replace with groundcover or mulched bed.

Thanks for Attending!



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