


# Proper Turfgrass Maintenance




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# Proper Turfgrass Management

- Mowing
  - Aeration
  - Fertility
  - Weeds, Insects and Disease
  - Irrigation
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# Mowing

- 1/3 Rule
- Change Directions
- Sharp Blades
- Clean Mower





# Mowing Height



- Shady areas – tall grass will thrive better
- The shorter the cut, the higher the frequency.

# To Scalp or Not to Scalp

- Depends on grass type
- Reduces thatch
- Done in Jan.- Feb.
- Apply pre-emergent immediately after



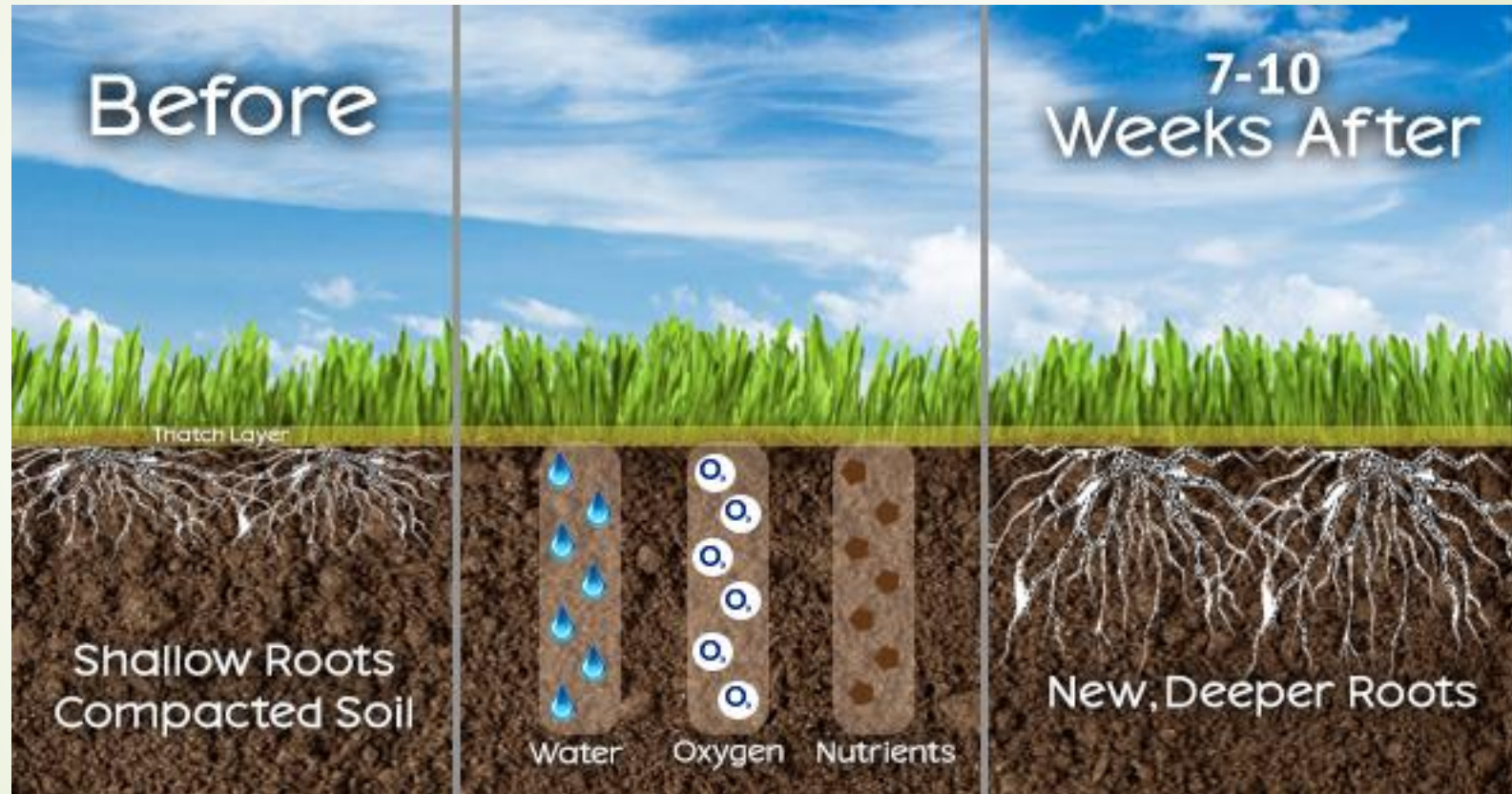


# Aeration

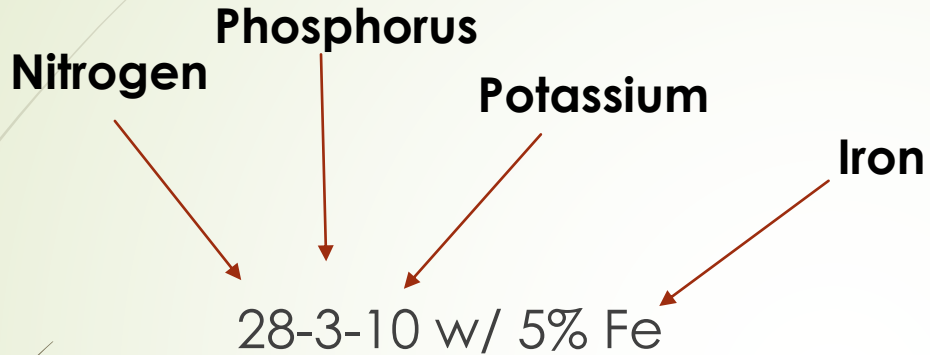




# Why Aerate?



# Fertilizers



## Benefits

- Nitrogen- leaf growth
- Phosphorus- root growth, typically not needed in our native soils.
- Potassium- Helps with plant stress



## Disadvantages

- Nitrogen- Too much promotes diseases such as brown patch. Can also “burn” the turf.
- Phosphorus- pollutant



# Recommended Fertilizers

- 28-3-10 w/ 5% Iron
- 9-0-1 Organic Liquid
- 3-2-3 Organic Liquid
- Scotts Fertilizer and Organics



# Fertilizer Applications

- Frequency depends on type of fertilizer and turf condition.
- Two directions
- Not before a heavy rain.





# Weed Management

- What is a weed?
- Weed Identification
- Weed Prevention
- Weed Control





# Slender aster





# Yellow nutsedge





# Dallisgrass



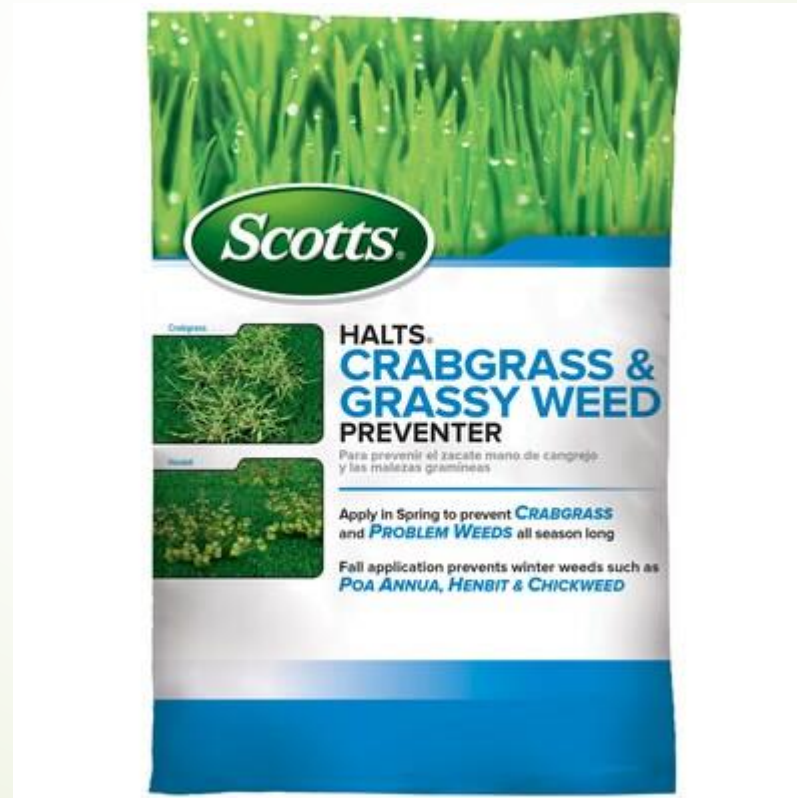


# Crabgrass



# Weed Prevention

- Pre-emergent or “crabgrass preventer”
- Corn gluten





# Herbicides

- ▶ Organic – typically fats, acids, oils. Non-selective.
- ▶ Inorganic- selective or non-selective, depends on weed species.





# Common Insects on Turf





# Common Turf Diseases



## Take-all Root Rot Suppression

Peat moss

Scotts Disease Ex

## Brown Patch Treatment

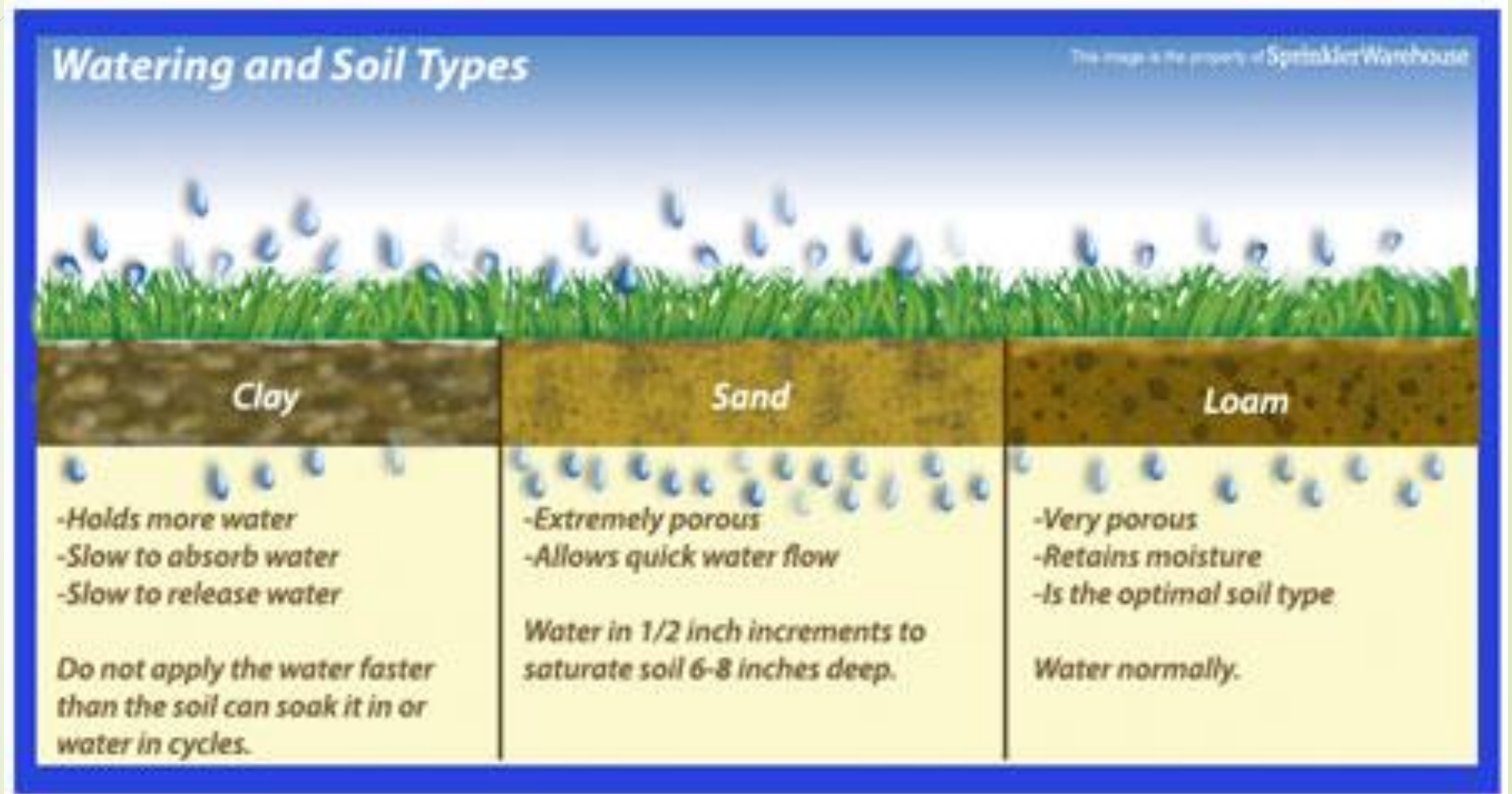
Propiconazole

Peat moss

Scotts Disease Ex



# Irrigation





## Cycle and Soak example

Original Schedule	Start time			
	4 a.m.			
Zone 1 (sprays) north side shady	13			
Zone 2 (sprays) south side hot	15			
Zone 3 (rotors) east morning sun	40			
Zone 4 (rotors) west afternoon sun	45			
Total run time	113			
<b>New Cycle and Soak (2 cycles)</b>				
	4 a.m.	5 a.m.		
Zone 1 (sprays) north side shady	6	6		
Zone 2 (sprays) south side hot	7	7		
Zone 3 (rotors) east morning sun	20	20		
Zone 4 (rotors) west afternoon sun	22	22		
Total run time	55	55	110	
<b>New Cycle and Soak (3 cycles)</b>				
	4 a.m.	5 a.m.	6 a.m.	
Zone 1 (sprays) north side shady	4	4	4	
Zone 2 (sprays) south side hot	5	5	5	
Zone 3 (rotors) east morning sun	12	12	12	
Zone 4 (rotors) west afternoon sun	14	14	14	
Total run time	35	35	35	105



Questions?