



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Characteristics of Pima and Upland Cotton Plants

Trait	Upland <i>Gossypium hirsutum</i>	Pima <i>Gossypium barbadense</i>
Leaf Shape	Normal  <small>normal</small>	Sub-okra  <small>sub-okra</small>
Flower Color	Cream 	Yellow 
Pollen Color	Cream	Yellow
Petal spot	No	Yes
Seed fuzz	Fuzz	Little
Verticillium wilt	Susceptible	Tolerant
Spider mite	Susceptible	Tolerant
Plant height	Short (5 feet)	Tall (8 feet)
Lint yield	High	Low
Boll size	Large	Small
Lint percentage	High	Low
Fiber length	Shorter	Long
Fiber strength	Not strong	Strong
Fiber fineness	Coarse	Fine

## Growing Needs of Pima and Upland Cotton Plants

Requirement	Upland <i>Gossypium hirsutum</i>	Pima <i>Gossypium barbadense</i>
Soil Texture	Clay, loam (silt), or sand	Clay, loam (silt)
Soil temperature	65° F for three days and warming conditions are predicted	60-65° F for several days and warming conditions after
Soil pH	Slightly acidic to neutral (6.0-8.0)	Neutral to moderately alkaline (7.0-9.0)
Soil drainage	Well drained, moist, occasionally dry	Drained, moist, occasionally wet
Light	Full sun (6 or more hours of direct sunlight)	Full sun (6 or more hours of direct sunlight)
Seed spacing needs	2 seeds every 8-10 inches	3 seeds every 4 inches
	15-30 inches between rows	30-40 inches between rows
Water/irrigation	Drought tolerant	Drought and slightly moisture tolerant
	Low pressure drip irrigation system to avoid water deficit stress	
Ideal planting timeframe	Late May/Early April	Late March/Early April