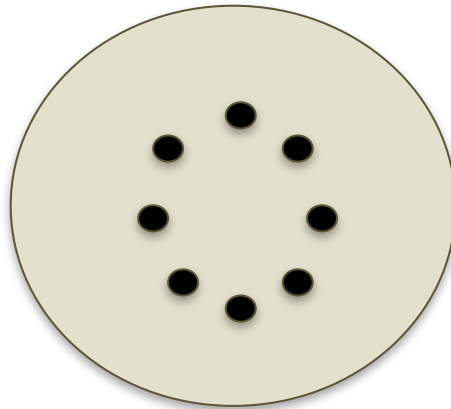


Photoperiod Experiment Protocol for planting soybeans

- a. In large plastic bins, soak standard potting mix using water until slightly moist. Fill pots with slightly moistened growing media to about 3/4s up to soil line
- b. Spread half a cup of slow release fertilizer evenly on top
- c. Continue to fill the pots to the soil line with slightly moistened soil
- d. Poke 8 one-inch deep holes in the top of the growing media using your finger. Try to space the holes evenly around the center of the pot.



- e. Place a soybean in each hole and lightly cover with dry growing media
- f. Using a pipette or dropper, gently apply water to each seeded area (10-20 drops)
- g. Label your groups pot properly and place it on the proper lighted



GROW
NEXT GEN

Observing Growth and Development Team Data Sheet

Student Name 1 _____ Student Name 3 _____
 Student Name 2 _____ Student Name 4 _____
 Group number _____

Week	Trait	Measurements								Team Percentage	Class Percentage
		1	2	3	4	5	6	7	8		
1	Plant Number										
	Germination (y/n)										
		Student 1	Student 2	Student 3	Student 4					Team Average	Class Average
	Plant Number	1	2	2	3	3	4	4	1		
2	Plant Height (cm)										
	Number of Leaves										
	Number of Nodes										
3	Plant Height (cm)										
	Number of Leaves										
	Number of Nodes										
4	Plant Height (cm)										
	Number of Leaves										
	Number of Nodes										
	Number of Open Flowers										
	Number of Flowering Nodes										
	Date of first Open Flower										
6	Plant Height (cm)										
	Number of Flowering Nodes										
	Number of Nodes with Pods										
	Total Number of Pods										
8	Plant Height (cm)										
	Number of Flowering Nodes										
	Number of Nodes with Pods										
	Total Number of Pods										
10	Plant Height (cm)										
	Number of Flowering Nodes										
	Number of Nodes with Pods										
	Total Number of Pods										

1. Be sure to label the dates in which each plant reaches its new vegetative and reproductive stages.
2. Which traits show the most variety within and among groups?