Plant Propagation
Seed Lab #2

Transplanting perennial plugs for the spring plant sale (5 per person minimum)

1) Select the perennial plugs you wish to work with.

2) Fill one-gallon containers with potting mix from outside to about ½ inch below the top of the container. Settle.

3) Make a hole the size of the plug in each container.

4) Remove the plug and plant one per pot in each one-gallon container. Place each plug even with the top of the potting soil surface.

5) Be sure to label the plants you pot up with the name of the plant, "LAT club" and the date.

6) These will then be placed on the walkways between benches in the west greenhouse. Group together by taxon.

Veggie starts for the spring plant sale

1) Using the same plug trays as last week, we will sow tomato and pepper seeds for the spring plant sale.

2) Prep a plug tray by filling with potting soil from outside.

3) Work with a team of folks to place individual seeds in each plug.

4) Topdress with vermiculite as needed.

5) Make sure we do all of one taxon in a single tray.

6) Make a label for the tray (LAT club, plant name and date)

7) Place plug trays on the mist bench in the west greenhouse.

Light intensity measurements (as a group)

1) Measure the ambient light intensity in foot candles outside. _____

2) Measure the light intensity inside the greenhouse. _____

3) Measure the light intensity directly at the 32 W T8 bulb in the dirty lab. _____

4) Measure the light intensity one foot below the 32 W T8 bulb in the dirty lab. _____

5) Measure the light intensity two feet below the 32 W T8 bulb in the dirty lab. _____

6) Measure the light intensity three feet below the 32 W T8 bulb in the dirty lab. _____

Consider your light intensity readings from above. In the space below, write a paragraph outlining your conclusions. What do these readings mean for plant growth?

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Figure 2. Light Intensity for Various Situations

Light intensity is measured in *lux* or *foot-candles*.