|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TIMELINE.** This is a flexible timeline to base your experiment on. The beginning or middle of the week is a good time to aim for step completion because it allows for flexibility, but it is not necessary. During the germination and elongation periods, the seeds will germinate and the plants will develop differently depending on the temperature of the environment, light, plant species, etc. Observation is necessary for better timing according to the plant development. | | | | | | | |
|  | Su | M | Tu | W | Th | F | Sa |
| Week 1 |  | Start germination (the rate at which the seeds will germinate depends on the temperature of the environment, light, etc. Observation is necessary at this stage to determine when to transplant them to the elongation phase) |  |  |  |  |  |
| Week 2 |  | Transplant to elongate (when first leaves are out, but yellow, and a there are a few roots) |  |  |  |  |  |
| Week 3 |  |  |  |  |  |  |  |
| Week 4 |  | Transplant to pots with full nutrient solution (Observing the plants during the elongation phase will help to determine when they are big enough to grown in the 2.5 L pots. Roots should extend 2-3 inches at minimum in order to reach the nutrient solution.) |  |  |  |  |  |
| Week 5 |  | Replace full nutrient solution |  |  |  |  |  |
| Week 6 |  | Replace full nutrient solution |  |  |  |  |  |
| Week 7 |  | Replace full nutrient solution |  |  |  |  |  |
| Week 8 |  | Induce treatments (It is recommended that treatments are induced only after a minimum of 4 weeks. If possible, 6 weeks in the full nutrient solution may result in better deficiency symptoms) |  |  |  |  |  |
| Week 9 |  | Replace treatment solution |  |  |  |  |  |
| Week 10 |  | Replace treatment solution |  |  |  |  |  |
| Week 11 |  | Replace treatment solution |  |  |  |  |  |
| Week 10 - 12 |  | Observation and Assessment (The timing of this is very flexible. If time allows, it might be worthwhile to begin observation as soon as the treatments are induced for students to see the rate at which the deficiencies develop.) |  |  |  |  |  |