Lab 5-1 PGH

* Background Knowledge
* Procedure – Research 3+ organic PGH to use and choose one to perform an experiment on verses a control and synthetic PGH.
* Reflection Questions:
  1. Which three organic PGH did you research?
  2. Which one did you choose to do your experiment with/on and why?
  3. What is your hypothesis for your experiment?
  4. What is the difference in a PGH and a PGR?
  5. Why are PGH used?
  6. What is a gibberellin? Auxin?
  7. Show data for your experiment after 5, 10 and 15 days.

Lab 5-2 – Soil

* Background Knowledge
* Procedure – create a plan for a soil profile by answering the procedure questions below.
  + What is a soil profile? Soil horizon?
  + Draw a soil horizon on the left size of your paper, label each of the 4 true horizons and the 1 potential horizon.
  + Looking at the different edible materials on the center table, list out which ingredient would best represent each of the 5 soil horizons in an edible soil profile and why. **For each ingredient give 3+ reasons why it would be a great representation.**
  + Create an edible soil horizon in the plastic cup on the center table following your plan above.
  + Take a photo of your profile using an ipad**, record what number Ipad you used on the top of your lab.**
  + Enjoy your soil profile while you answer the questions below.
* Reflection
  1. Why is the O horizon not considered a true horizon?
  2. If we were to dig up the center of the ag room floor which horizon would we find underneath it in the largest presence? Why?
  3. Where in WI could we find a thicker C horizon? Why?
  4. Where in WI could we find a thicket A horizon? Why?
  5. Why does understanding soil composure matter to horticultural science? (3+ reasons)
  6. What abiotic and biotic components you could find living in soil? Where? Why?