

Greenhouse Design Project Part III. Benching, Nutrition, and Irrigation. , DUE Tuesday, November 13th.

1. Provide detailed specifications of the benching you plan to use in your greenhouse operation. Also add the price of benching to your overall project greenhouse budget.
2. What type of nutrition system will you use to meet the needs of your crops?
 - a. Delivery system (fertigate, manual application, top dress, etc.)
 - b. Type of fertilizer (organic, slow release, water soluble, etc.)
 - c. Application schedule (hourly, weekly, one time, etc.)
 - d. Amount necessary for one crop cycle. (lbs, tons, make sure to include unit)
 - e. Cost of fertilizer necessary for one crop cycle.
3. Describe in detail how you will monitor and deliver water to your greenhouse crop as needed.
4. How will you handle 2 in 3 in a manner that will limit negative impacts on the environment?
5. Grower's notes: Produce grower notes for your crop. For this assignment get it in good draft condition for me to review next week. Make sure you cite all your sources. A good example can be seen here <http://www.ces.ncsu.edu/depts/hort/hil/hil-526.html>
 - a. Make sure to include production schedule
 - b. Include any important crop specific information that should be of immediate concern. For example, poinsettias have known issues with Molybdenum deficiencies.



6. Each week's project efforts should build on the previous week. In other words, update and correct the previous week's assignment to show me with this one. It will save you work at the end and probably improve your overall grade.

7. The final paper will probably be between 10 and 20 pages with figures. I will be looking for effort and quality. Your presentation should showcase your efforts and knowledge of chosen crop.