

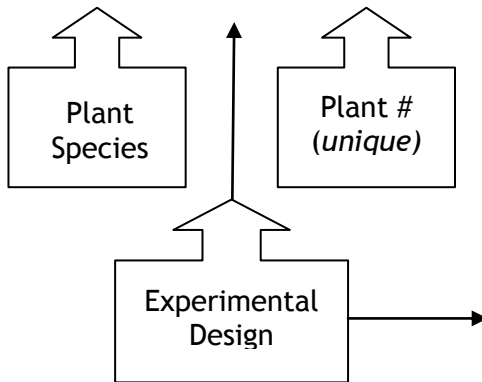
ECHS - Lee has selected horticulture, and community gardening as a highly relevant and appropriate topic to teach the critical thinking and communication skills necessary for industry level experimental design, data collection, group decision making, and attention to detail in the production of a deliverable product. Summary information about a given plant species and experimental design below and student work products are available from the web link.



Available Work Documents:

Photo logs, % saturation data, soil chemistry, bio mass, lab reports...ect

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**Date Planted:** 10/28/2012

**Plant Species:** Burpee Okra

**Independent Variables:** all soil types, temperature and water conditions per generic process. Soil amendment of 0.25 - 0.5 grams of Mycorrhizal beneficial fungi applied directly to prepared seed bed.

**Dependent Variables:** days to germination, bio mass at time of transplant, fruit production

**Controls:** Generic seeding germination process with 96 hours at air conditioned growth followed by 4 - 6 hours of outdoor temperatures between 80 - 90 degrees in the shade. Soil moisture controlled at 6% - 12% with daily watering.

**Summary of Effort:** Long term test to measure the effectiveness of Mycorrhizal beneficial fungi on bio mass at time of transplant and fruit production.



*Work to Learn, Learn to Lead!!!*