

## Acid Rain Midstream Check fall 2004

ENVIRONMENTAL SCIENCES 105L  
ENVIRONMENTAL BIOLOGY LABORATORY



MORRIS

The project manager for each group should make the following assignments:

### 1. Presentation of objective data reflecting the current state of the experiment

Assign one person in the group to collect the following information and summarize it in a table.

For each pot:

1. Height of individual plants
2. Calculate and report the average height of plants in the pot
3. Number of plants germinated
4. Calculate and report germination rate



### 2. Problems with the experiment

Assign one person in the group to do the following:



1. Briefly describe any problems your group has encountered in each of the following areas:
2. Greenhouse facilities – location, utilities, security, environmental conditions
3. Experimental methods – Making observations, consistency, artifacts
4. Experimental materials – pots, soil, solutions, seeds, measurement devices
5. Briefly explain how each problem could jeopardize the experiment.
6. Suggest possible solutions to each problem. Indicate if your group has already implemented the solution.

### 3. Summary Report

Assign one person in the group to prepare a summary report on the current state of the experiment. The summary report should include the following elements:



1. Statements that describe the highlights of your objective findings
2. Statements that describe the most important problems with the experiment
3. Statements that describe how to fix those problems in future experiments
4. Overall summary statement that comments on the usefulness or futility of performing this prototype experiment.