Data Collection : Tables

(a) Each figure or table has a title and an informative caption.

(b) Each figure or table is self-sufficient and includes explanations of numbers used, replicates, units of measurement, labels, etc.

(c) Presentation of data allows for easy interpretation. **Be Neat & Organized!** It is okay to redraw original data tables used to collect data so they look better for presentation (Do this especially if you spilled liver juice on your paper!)

Example #1

The Affect of Intraspecies Competition on the Mass of Individual Corn Plants

# of Corn Seedlings per Pot	Average Mass of Corn Plants (gram +/- 0.1 g)			
	Day 0	Day 5	Day 10	Day 15
1	3.1	3.4	9.8	31.6
5	3.1	3.4	8.5	22.4
10	3.1	3.3	7.2	17.5
15	3.1	3.2	5.3	12.4

This data shows that plants gain more mass when there are fewer plants in a pot. All the seedlings had the same average mass (3.1 g) on the first day. The single seedling in a pot had a mass of 31.6 g after 15 days. The 5 seedlings in a pot had an average mass of 22.4 g after 15 days. The 10 seedlings in a pot and 15 seedlings in a pot had masses of 17.5 g and 12.4 g after 15 days.

Descriptive Title

Labels & Units Listed!

Note that the accuracy of the balance beam is listed!

Note that significant figures are maintained. All decimal numbers are rounded to One-tenth of a gram!

Note that a description of the data in the table have been displayed!

Slichter