

Plant Growth Data



	Date	Height cm	Water ml	Temp. C	Description
Mizuna Lettuce w/Osmocote					
Day 1	2/16/2010	0	400	21	Planted Mizuna seeds with the Osmocote fertilizer into small container which we set in the water bath container. Placed 500 ml of water into water bath. Substrate soaked the water up very rappedly.
Day 3	2/18/2010			22.5	two out of six plants have not appeared . Substrate is still moist.
Day 4	2/19/2010		200	20.9	four out of six plants have broken the surface of the substrate.
Day 7	2/22/2010	3.2	100	20.8	We still haven't seen the sixth spot of seeds. The plants that broke the surface on Friday grew well over the weekend with about 200 ml of water.
Day 8	2/23/2010	4.5	100	22.9	Plants are growing well. We notice that the temperture in the morning is much cooler than the afternoon. Light comes on at 6 am
Day 10	2/25/2010	6	100	21.8	Our number 6 plant finally sprouted. It looks like only one seed germinated. Plants looking green and healthy.
Day 11	2/26/2010	6.5	200	21.2	
Day 14	3/1/2010	9.5	200	21.8	
Day 16	3/3/2010	11.1	200	21.7	Since the plants have sprouted and are growing they appear to be using more water
Day 18	3/5/2010	13	250	21.9	
Day 21	3/8/2010	14.5	500	22.5	There was 250 ml of water Friday when we left. We cameback from the weekend and found no water in the bath and leaves were druppy. We put 500 ml into the bath and within an hour they were bounce back to life. Plants doing really well. Look green and healthy. We want to compare other experiments like the peas to see which one uses more water.
Day 23	3/10/201	16	200	21.2	
Day 24	3/11/2010		300		
Day 27	3/14/2010		300		
Day 28	3/15/2010		200		
Day 30	3/17/2010	18.5	100	20.8	Harvest day, we noticed the tips of the plants were starting to turn brown. We had a 3 day weekend. That is why we had only water measurements so the plant would not be damaged.



Notes: Tare weight of bath container was 58.3 grams. Half of the substrate was 343.5 grams. We will use the other half for our second experiment with the Nutricote fertilizer.
 Other baselines: Using Distilled water: Light CFL 23 Watt light 16 hr on 8hr off

