

4/12/2010

MicroLADA Experiment

South Cache Students planted 18 *Mizuna* seeds in substrate fertilized with 2.5 grams of nutricote. 83.3% of the seeds germinated. We used 7,705 ml of water to grow 45.1 grams of edible portion. The lamp was placed on top of the growing chamber and was left on continuously. The experiment took 35 days. There were 13 students who took part in the experiment.

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MicroLada Experiment:		<i>Mizuna</i>	using 2.5 grams of nutricote						
South Cache Center, Hyrum, UT, USA; Mr. Bohm's class									
Date	Time (MST)	Last Name	Temperature			Humidity	Water Added	Plant Ht.	Comments
	(give am/pm)		<i>Current</i>	<i>Max</i>	<i>Min</i>		<i>in ml</i>		
17-Feb	8:53 a.m.		21	27	6		600	0	Planted 18 seeds
18-Feb	7:58 a.m.		20.9	20.9	15.5		360		
19-Feb	8:03 a.m.		19.6	23.2	15.3		300		
20-Feb									
21-Feb									
22-Feb	8:08 a.m.		20	13	19		650	1	9 plants germinated
23-Feb	8:00 a.m.		19	21	14		180	2	10 plants now germinated
24-Feb	7:59 a.m.		19	21	15		140	2.5	13 plants now germinated
25-Feb	8:48 a.m.		18	22	15		250	4	
26-Feb	7:59 a.m.		19.6	21.6	15.5		345	4	15 plants now germinated
27-Feb	12:58 p.m.		19.7	19.8	14.3		200		
28-Feb									
1-Mar	6:04 a.m.		18.8	20.9	13.7		215	5.5	
2-Mar	8:00 a.m.		21.2	21.7	15.3		145	7	
3-Mar	7:58 a.m.		18.9	19.2	15		215	8	
4-Mar	8:48 a.m.		18	20	15		165	9	
5-Mar	8:58 a.m.		19	21	16		215	10	
6-Mar	12:58 p.m.		15.8	20.4	14.6		200		
7-Mar									
8-Mar	9:00 a.m.		18	20	13		325	13	
9-Mar	9:02 a.m.		18	20	15		245	13	
10-Mar	9:00 a.m.		17.6	20	15		215	13.5	
11-Mar	8:58 a.m.		18.2	21.3	15.6		240	14	
12-Mar	8:36 a.m.		17.7	20.6	15.2		240	15	
13-Mar	5:30 p.m.		17.1	20.2	15.6		250		
14-Mar									
15-Mar	9:00 a.m.		18	20	14		200	18	
16-Mar	9:07 a.m.		18.2	21.3	15.7		250	19	
17-Mar	9:00 a.m.		17.7	21	15		300	20	
18-Mar	9:01 a.m.		18.4	21	15		275	21	
19-Mar							85		
20-Mar	9:54 a.m.		18.3	19.7	14.4		200		

21-Mar							100		
22-Mar	9:00 a.m.		19.3	22.2	15		400	23	
23-Mar	9:00 a.m.		18.6	21.6	16		200	24	Harvested: 45.1 grams edible portion
						Total	7705		83.3% germinated