

Log book	Action	Notes	Observations	Benchmark	Unfiltered	Filtered
Date:						
Oct 28, 2023	Planted grass, watered, fertilized	Watered 1 cup each because the soil was dry - will water 1/2 cup from now on		Some water drained into the collection tray	similar amount of water drained	no water has drained
Oct 29, 2023	Watered grass - 1/2 cup			water has evaporated	evaporated, left a residue	
Nov 4	still alot of excess fertilizer	will be doing bi-weekly fertilizations from now on				
Oct 30 - nov 9	watered daily - 1/2 cup			n/a	n/a	n/a
Nov 10	fertilized and watered					
Nov 11	watered daily - 1/2 cup			grass sprouted	grass sprouted - less than other two	grass sprouted - most grass
Nov 12	Tested water for nitrate levels, watered	Unfiltered				
Log book pt. 2	Due to issues with collecting enough runoff to test, we decided to restart the project.					
Nov 8	Replanted grass, made new carbon soil mix	Grass will be grown in the same conditions as before				
Nov 9	Watered daily					
Nov 10	Watered daily, fertilized	Fridays will be watering and testing day				
Nov 11	Watered					
Nov 12	Watered					
Nov 13	Watered					
Nov 14	Watered					
Nov 15	Watered			Grass sprouted	Grass sprouted	grass sprouted
Nov 16	Watered			grass turned green	grass turned green	grass turned green
Nov 17	Watered tested for nitrate levels					
Nov 18	watered					
Nov 19	Watered					
Nov 20	Watered					
Nov 21	Watered					
Nov 22	Watered					
Nov 23	Watered					
Nov 24	Watered, tested for nitrate levels					
Nov 25	Watered					
Nov 26	Watered					
Nov 27	Watered					
Nov 28	Watered					
Nov 29	Watered					
Nov 30	Watered					
		Discovered leak after inspection - no evidence that there was a leak before this testing, but if there is a dramatic change in numbers this could indicate contamination. Repaired leak and tested to ensure quality.				
Dec 1	Watered, tested for nitrate levels, fertilized, repair					
Dec 2	Watered					
Dec 3	Watered					
Dec 4	Watered					
Dec 5	Watered, tested for nitrate levels, installed new col	I discovered that the collection bins were beginning to leak again. seperate containers are now placed beneath each section of grass				
Dec 6	Watered			Trimmed grass		
Dec 7	Watered					
Dec 8	Watered, tested					
Dec 9	Watered					
Dec 10	Watered					
Dec 11	Watered					
Dec 12	Watered, tested for nitrate levels					
Dec 13	Watered					
Dec 14	Watered					
Dec 15	Watered, tested for nitrate levels					
Dec 16	Watered					
Dec 17	Watered					

Dec 18	Watered, trimmed grass					
Dec 19	Watered, tested for nitrate levels - Last day!	Discovered a leak between our carbon and control samples which lead to the extreme outlier we had with the control sample in testing today. However, as the carbon sample was tested first and the data aligns with current trends we can assume that it is contamination free				
<b>Experiment 2</b>		<b>Observations</b>				
Dec 22	Plant new experiment Talla Yahya house, fertilize,	Carbon delayed, experiment started on 24. Watered + fertilized. testing as scheduled, fertilizing days adjusted				
Dec 25	Watered - Merry Christmas!					
Dec 26	Watered	issue with testing resolved. testing for this round delayed to next.				
Dec 29	watered and tested.					
Dec 30	Not watered - 118.3mL of water seems to be too much for small samples, so water is now every Tuesday, Friday and Sunday					
Dec 31	Watered					
Jan 2	watered, remaining tests put on hold.					
Jan 5	watered.	not tested as tubes have not arrived.				
Jan 7	Watered					
Jan 9	Watered.	not tested as tubes have not arrived.				
Jan 12	Watered.	not tested as tubes have not arrived. looking for alternative solutions.				
Jan 14	Fertilize, add carbon	Fertilized, carbon added, watered. Tubes set to arrive tomorrow.				
Jan 16	tested, watered					
Jan 19	watered, tested	1:32 and 1:8 seem to be doing well, but they are too close to the control. Not working				
Jan 21	Watered					
Jan 23	not tested, new theory being tested.					
Jan 26	tested, watered	control is still less concentrated than rest of the samples. Still not working.				
Jan 28	Watered					
Feb 2	tested, watered	32:1 is increasing.				
Feb 4	Watered					
Feb 6	tested, watered, fertilized	better results but marginal.				
Feb 9	tested, watered.					
Feb 11	Watered					
Feb 13	watered.					
Feb 16	tested, watered.	carbon has worn off, data has high concentrations of NO3.				
Feb 18	Watered					
Feb 20	tested, watered.	8 and 16 have unusual data.				
Feb 27	fertilized, carbon added, watered, tested.					
Mar 1	tested, watered	Final day!				