Broccoli Seed Experiment 8

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1. Abstract

This is round 8 of the broccoli seed experiments where I try to make a treated dish of 50 seeds “grow noticeably better” than an untreated dish, using intention along with energy/spiritual healing, similar to work done by Bernard Grad, William Braud, William Bengston, Dean Radin and others. Previous experiments of mine treated water or cotton vs an untreated control with some significant results. In this experiment the results were over the top, putting the entire series into highly significant territory.

2. Setup procedure

Each dish has 50 broccoli seeds (see Image 2) and the same amount of water (110g) with no additional water added. The dish on the left (T) has treated water, treated cotton (with my patented cotton angel, see Image 3) and treated seeds. The dish on the right (X) was untreated. I added some scraps of cotton to the bottom of the untreated dish just in case the white base that the dish was sitting on would make a difference.

Both dishes were cleaned at the same time using tap water and a paper towel. No other cleaning or abrasive agents were used. In this particular experiment the water came from the same source (tap water) but not at the same time. The bottle containing the untreated water was filled with fresh water on the day of the setup. The treated water in the decanter was filled two weeks earlier. The broccoli seeds come from the same source, but the treated seeds were segregated in their own plastic container and kept in the bowl. I randomly chose which dish to setup first and put on the left.

For this particular experiment I did two treatments/meditations about a week apart (7/17 and 7/24) holding a cut glass (poor person's crystal) bowl (see Image 1) that contained a faux crystal decanter with water, the broccoli seeds in a small plastic container, and two of my patented cotton angels. Each day I treated one piece of cotton using a technique that William Bengston mentioned: walking slowly and moving my hand (like a walking Tai Chi), switching from right to left hand, then exchanged the cotton angels. I also picked up the untreated dish just in case the movement of the dish has any effect.

For this experiment, no additional water was added. Water evaporated at a rate of 10g per day. Once almost all the water evaporated the dishes got harvested, full sprouts and baby sprouts get counted. I made sure that there was enough water so that any sprouts did not wilt.

In past experiments one dish had maybe 40 sprouts vs another with 35 sprouts. This experiment the treated dish clearly has satisfied the intention of "growing noticeably better" even without statistical analysis.

Image 1

Image 2

Image 3

3. Daily photos

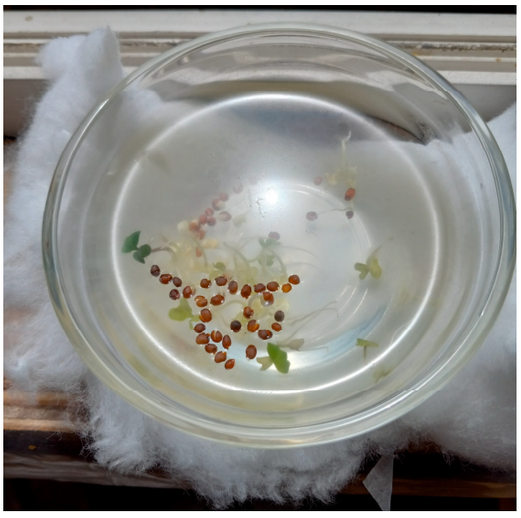
Day 1 Treated dish (T) on left, X shows first sign of sprout**:**

Day 2:

Day 3: X on the right has first dark green sprout

Day 4:


Day 5:

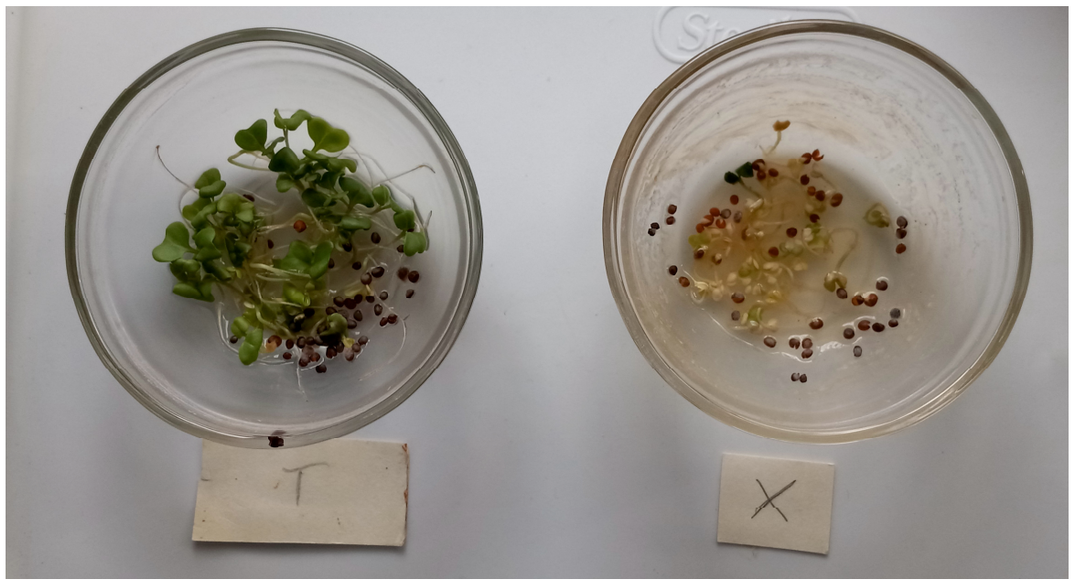
Day 6: water of X on right turning a little green first.


Day 7: T on left is clearly “growing noticeably better”.

Day 8: T is clearly growing better as X looks as if something contaminated the bowl (though there was nothing in my ‘lab’ that could have contaminated the dish other than an insect, and there was no evidence of that).

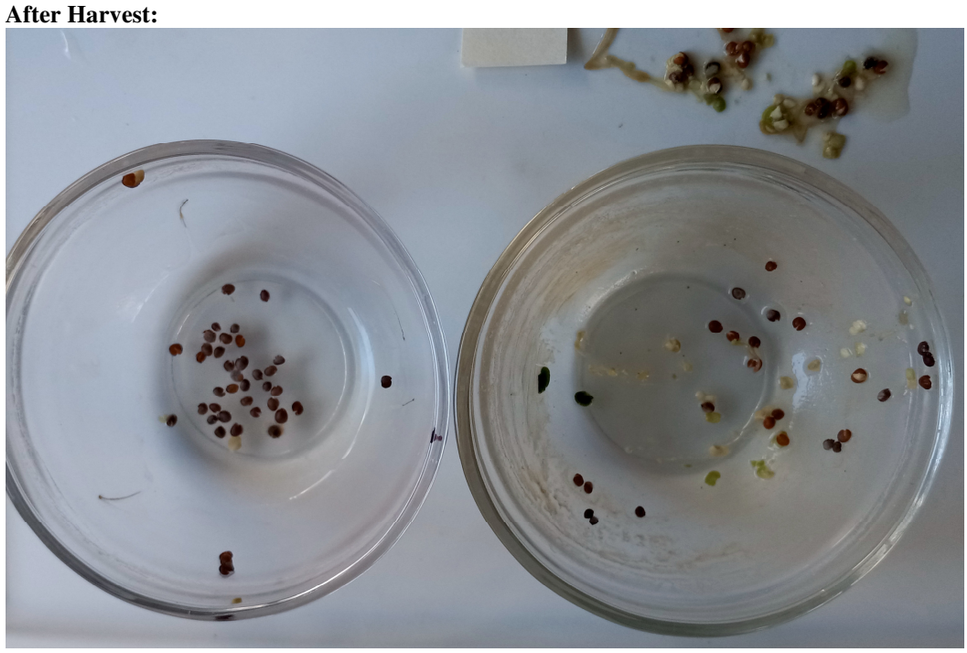
Day 9: Day before harvest

Day 10: Day of harvest.



Final Tally:

After Harvest:



4 Statistical Analysis:

Using Chi Squared statistical anaysis

The statistical analysis for Broccoli Seed #8 was over the top!

	Full Sprouts	Baby Sprouts	Unsprouted	Total
Untreated (X8)	0	8	42	50
Treated (TC8)	29	13	22	50

	Full Sprouts	Other	Total
X8	0	50	50
TC8	29	21	50
Total	29	71	100
	expected		
	14.50	35.50	
	14.50	35.50	
	(O-E)^2/E		
	14.50	5.92	X^2 = 40.85
	14.50	5.92	p value = 0.0000000002
			6,068,387,979 to 1

	Total Sprouts	Unsprouted	Total
X8	8	42	50
TC8	42	8	50
Total	50	50	100
	expected		
	25.00	25.00	
	25.00	25.00	
	(O-E)^2/E		
	11.56	11.56	X^2 = 46.24
	11.56	11.56	p value = 0.00000000001
			95,584,794,137 to 1

A statistical meta-analysis of all 7 broccoli seed experiment show statistically significant results, even though the first 2 experiments the dishes treated with water (T1 and T2) showed inhibited growth compared to their respective controls. (Experiments 6 and 7 used a different method of harvesting, so there were no Baby Sprouts.):

	Full Sprouts	Baby Sprouts	Unsprouted	Total
X1	33	6	11	50
T1	22	8	22	52
X2	31	7	12	50
T2	26	6	18	50
TC	34	4	12	50
X3	29	3	18	50
T5	41	2	7	50
X5	39	1	11	51
TC6	42		8	50
X6	33		17	50
T7	43		7	50
X7	40		10	50
TC8	29	13	22	50
X8	0	8	42	50

Note: there is no Broccoli Seed #4 listed.
The 4th experiment was a pilot that failed
since it used potting soil instead of in vitro.

checking Ts against Xs, BS8 brought all experiments to statistical significance p < 0.05

	Full Sprouts	Other	Total
All 7 X's	205	146	351
All 7 T's	237	115	352
Total	442	261	703
	expected		
	220.69	130.31	
	221.31	130.69	
	(O-E)^2/E		
	1.11	1.89	X^2 = 6.00
	1.11	1.88	p value = 0.014

	Total Sprouts	Unsprouted	Total
All 7 X's	230	121	351
All 7 T's	256	96	352
Total	486	217	703
	expected		
	242.65	108.35	
	243.35	108.65	
	(O-E)^2/E		
	0.66	1.48	X^2 = 4.27
	0.66	1.47	p value = 0.039

A statistical meta-analysis of the 3 broccoli seed experiments that used treated cotton (TC) show statistical results that were also over the top! (Experiment 6 used a different method of harvesting, so there were no Baby Sprouts.):

	Full Sprouts	Baby Sprouts	Unsprouted	Total
X1	33	6	11	50
T1	22	8	22	52
X2	31	7	12	50
T2	26	6	18	50
TC	34	4	12	50
X3	29	3	18	50
T5	41	2	7	50
X5	39	1	11	51
TC6	42		8	50
X6	33		17	50
TC8	29	13	22	50
X8	0	8	42	50

checking Treated Cotton experiments (TCs) against controls (Xs)

	Full Sprouts	Other	Total
X3+X6+X8	62	88	150
TC+TC6+TC8	105	45	150
Total	167	133	300
	expected		
	83.50	66.50	
	83.50	66.50	
	(O-E)^2/E		
	5.54	6.95	X^2 = 24.97
	5.54	6.95	p value = 0.000001
			1,721,014 to 1

	Total Sprouts	Unsprouted	Total
X3+X6+X8	73	77	150
TC+TC6+TC8	108	42	150
Total	181	119	300
	expected		
	90.50	59.50	
	90.50	59.50	
	(O-E)^2/E		
	3.38	5.15	X^2 = 17.06
	3.38	5.15	p value = 0.00004
			27,641 to 1

5 Conclusion: Experiment #8 needs to be replicated to rule out contamination of the control dish.