# Broccoli Seed Experiment 3 vic

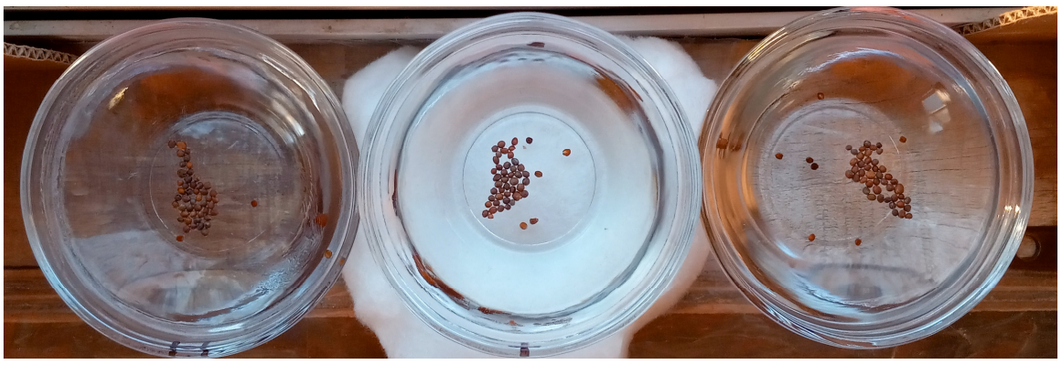
by vic smyth smyth.vic@gmail.com 3/15/2024

Kayna posted 2 experiments using the Bengston Method of Energy Healing® to influence the growth of results.
In this 3rd round there will be 4 broccoli seed experiments running at the same time, 2 with remote influencers, 2 local experiments; one where I will treat one dish with treated cotton, one with a commercially available homeopathic solution and the 3rd as an untreated control, the other with 2 magnets of various strength and an untreated control.
**See Discussion at end of report for results.**

**Setup** There will be 3 dishes with 50 seeds each. vicsmyth is going to treat some cotton (using his patent pending cotton angel) and have the treated dish (T) sit on the cotton angel. A commercially available homeopathic solution (HS) will be added to the water in the dish marked (M), 1 dose daily. The cotton angel will be treated multiple times a week, if not daily. The unmarked control (X) will be untreated.
All 3 dishes will be filled and topped off with untreated water from the same container, from the same source, the same water as will be used in jmerdsoy's experiment.
vicsmyth will start treating the cotton angel a week prior to Tuesday, Feb 20th, 12pm Chicago Time
As I have not asked permission of the manufacturer of the homeopathic solution to use their brand name, the bottle in the picture below is a decoy of the actual product used.



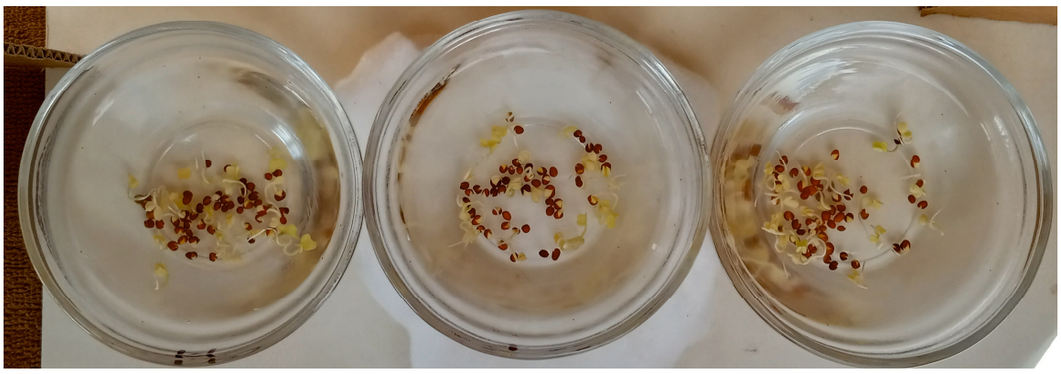
**Day 1**



**Day 2:**

**Day 4:**

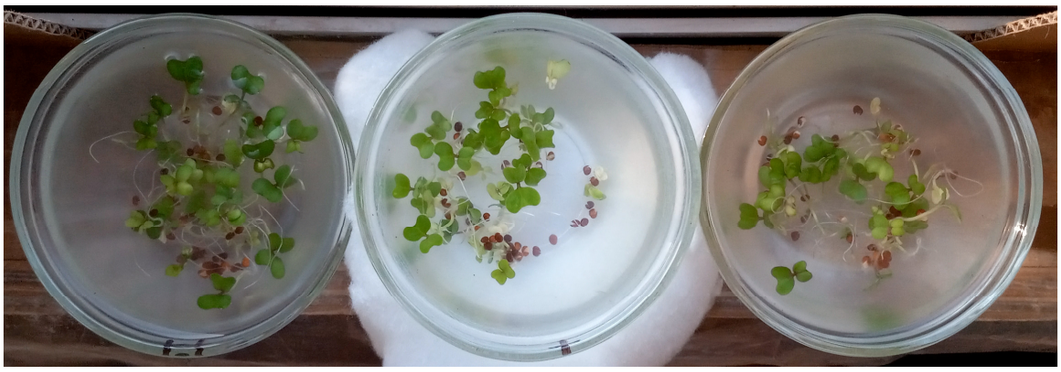
**Day 6:**



**Day 8:**

**Day 10:**

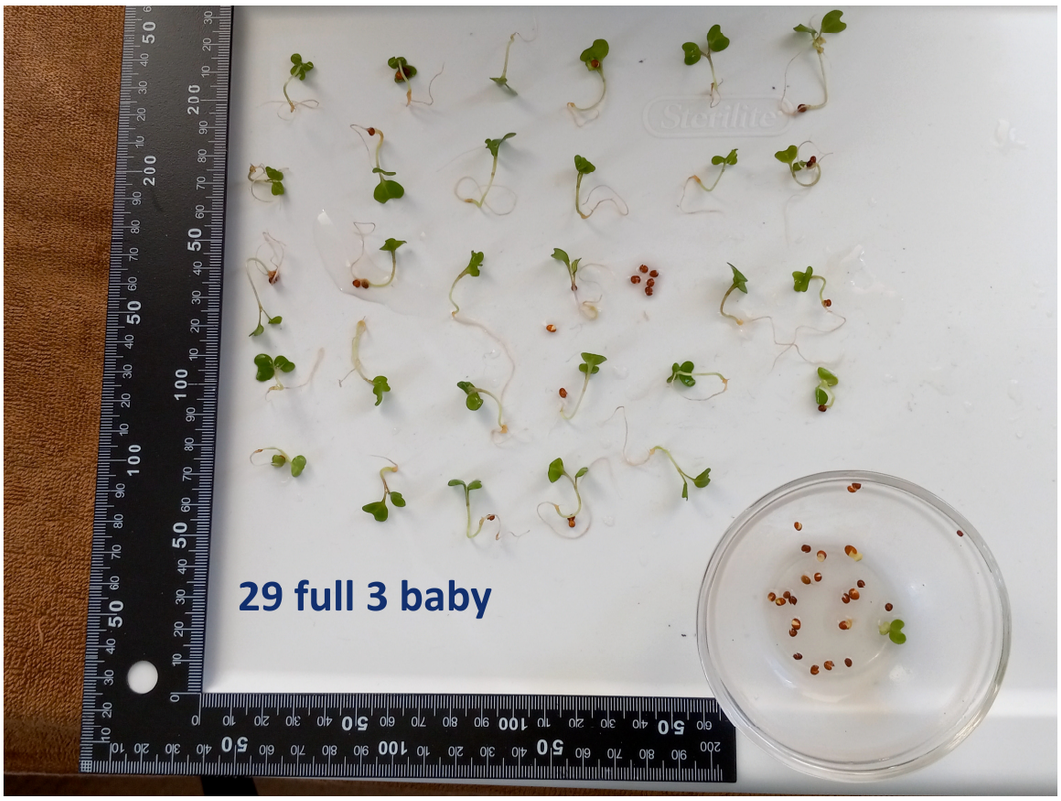
**Day 13:** Seems like HS is showing enhanced growth, X the least amount of growth (contrary to expectations, when, in previous experiments, T showed diminished growth).



**Day 17:**

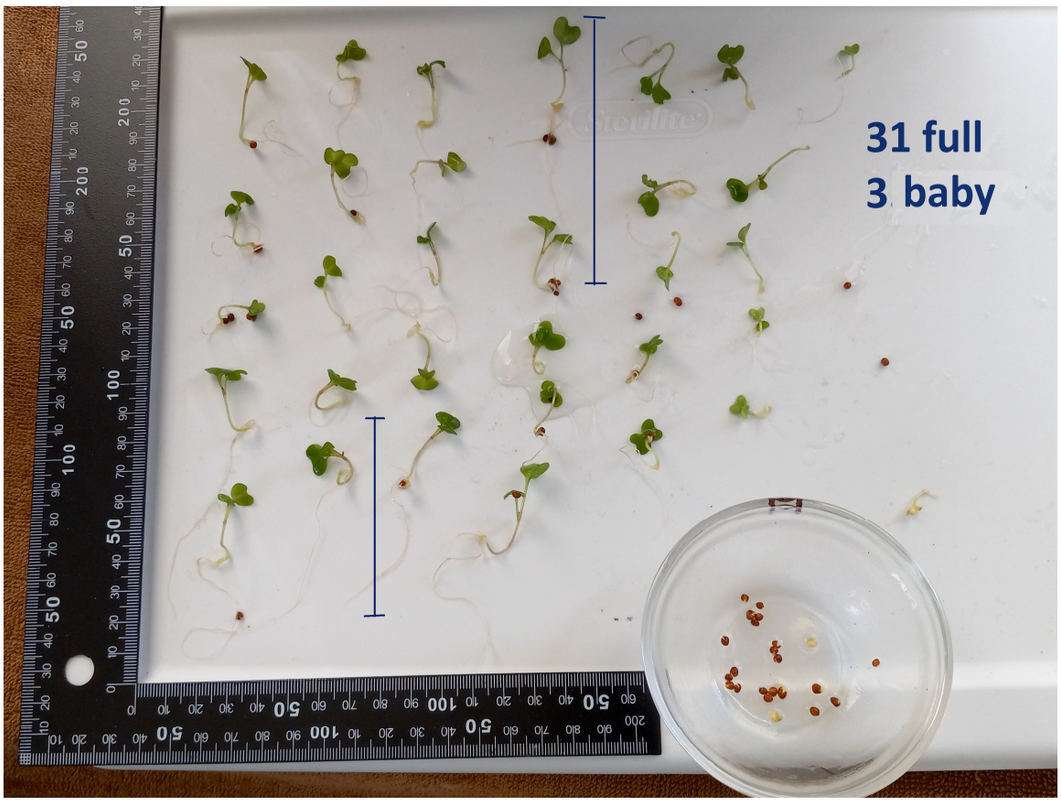
**Day 19 Final Tally:**

**vic X:**




**vic T:**

**vic HS:**




vicsmyth starting treating the cotton angel a week prior to Tuesday, Feb 20th, using a technique mentioned in Bengston's audio training course, "Hands-on Healing" from Sounds True, holding the cotton angel in his hand while waving his arm and walking slowly, like a combination of walking meditation and Tai Chi. Cotton angels were treated daily.

**Discussion and Statistics (includes additional discussion of controls):**

Comparing vic, one dish treated with cotton (TC) and another dish treated with a homeopathic solution (HS): We did not see significant results. In the previous experiments vicsmyth's dishes that were treated with water (T) showed inhibited growth compared to the control. In this experiment it showed enhanced growth that was leaning in the right direction, but did not prove to be statistically significantly. Of course it begs the question, why did the first 3 experiments where vic treated with water show inhibited growth, while treating with cotton showed enhanced growth?

**Comparing vic**

| | Total Sprouts | Unsprouted | Total | | Full Sprouts | Other | Total | |
|---|---|---|---|---|---|---|---|---|
| vic TC | 38 | 12 | 50 | vic TC | 34 | 16 | 50 | |
| vic X | 32 | 18 | 50 | vic X | 29 | 21 | 50 | |
| Total | 70 | 30 | 100 | Total | 63 | 37 | 100 | |
| | expected | | | | expected | | | |
| | 35.00 | 15.00 | | | 31.50 | 18.50 | | |
| | (O-E)^2/E | | | | (O-E)^2/E | | | |
| | 0.26 | 0.60 | X^2 = | 1.71 | 0.20 | 0.34 | X^2 = | 1.07 |
| | 0.26 | 0.60 | **p value =** | **0.190** | 0.20 | 0.34 | **p value =** | **0.300** |

More on next page.

Although midway through the experiment the homeopathic solution (HS) looked like it had promising, enhanced growth compared to both the treated cotton (TC) and the control (X), the final tallies showed that nothing happened.

| | Total Sprouts | Unsprouted | Total | | Full Sprouts | Other | Total | |
|---|---|---|---|---|---|---|---|---|
| vic HS | 34 | 16 | 50 | vic HS | 31 | 19 | 50 | |
| vic X | 32 | 18 | 50 | vic X | 29 | 21 | 50 | |
| Total | 66 | 34 | 100 | Total | 60 | 40 | 100 | |
| | expected | | | | expected | | | |
| | 33.00 | 17.00 | | | 30.00 | 20.00 | | |
| | (O-E)^2/E | | | | (O-E)^2/E | | | |
| | 0.03 | 0.06 | X^2 = | 0.18 | 0.03 | 0.05 | X^2 = | 0.17 |
| | 0.03 | 0.06 | p value = | 0.673 | 0.03 | 0.05 | p value = | 0.683 |

Comparing all 3 vic

| | Total Sprouts | Unsprouted | Total | | Full Sprouts | Other | Total | |
|---|---|---|---|---|---|---|---|---|
| vic HS | 34 | 16 | 50 | vic HS | 31 | 19 | 50 | |
| vic TC | 38 | 12 | 50 | vic TC | 34 | 16 | 50 | |
| vic X | 32 | 18 | 50 | vic X | 29 | 21 | 50 | |
| Total | 104 | 46 | 150 | Total | 94 | 56 | 150 | |
| | expected | | | | expected | | | |
| | 34.67 | 15.33 | | | 31.33 | 18.67 | | |
| | (O-E)^2/E | | | | (O-E)^2/E | | | |
| | 0.01 | 0.03 | | | 0.00 | 0.01 | | |
| | 0.32 | 0.72 | X^2 = | 1.76 | 0.23 | 0.38 | X^2 = | 1.08 |
| | 0.21 | 0.46 | p value = | 0.416 | 0.17 | 0.29 | p value = | 0.582 |

Although the treated cotton (TC) was leaning in the right direction, results were not significant.

Comparing vic TC to 2 known controls

| | Total Sprouts | Unsprouted | Total | | Full Sprouts | Other | Total | |
|---|---|---|---|---|---|---|---|---|
| vic X + mags X | 65 | 35 | 100 | X + X | 59 | 41 | 100 | |
| vic TC | 38 | 12 | 50 | vic TC | 34 | 16 | 50 | |
| Total | 103 | 47 | 150 | Total | 93 | 57 | 150 | |
| | expected | | | | expected | | | |
| | 68.67 | 31.33 | | | 62.00 | 38.00 | | |
| | 34.33 | 15.67 | | | 31.00 | 19.00 | | |
| | (O-E)^2/E | | | | (O-E)^2/E | | | |
| | 0.20 | 0.43 | X^2 = | 1.87 | 0.15 | 0.24 | X^2 = | 1.15 |
| | 0.39 | 0.86 | p value = | 0.171 | 0.29 | 0.47 | p value = | 0.284 |

Combining all 3 experiments of vicsmyth, results are leaning in the right direction, but not significant. Does vicsmyth's treated cotton (TC) have a different effect than those he treated with water (T)? Further experimentation is needed.

Comparing 2 past experiments with vic Treated

| | Total Sprouts | Unsprouted | Total | | Full Sprouts | Other | Total | |
|---|---|---|---|---|---|---|---|---|
| X1 + X2 | 77 | 23 | 100 | X1 + X2 | 64 | 36 | 100 | |
| T1 + T2 | 62 | 40 | 102 | T1 + T2 | 48 | 54 | 102 | |
| Total | 139 | 63 | 202 | Total | 112 | 90 | 202 | |

| | Total Sprouts | Unsprouted | Total | | Full Sprouts | Other | Total | |
|---|---|---|---|---|---|---|---|---|
| X1 + X2 + vic X | 109 | 41 | 150 | X1 + X2 + vic X | 93 | 57 | 150 | |
| T1 + T2 + TC | 100 | 52 | 152 | T1 + T2 + TC | 82 | 70 | 152 | |
| Total | 209 | 93 | 302 | Total | 175 | 127 | 302 | |
| | expected | | | | expected | | | |
| | 103.81 | 46.19 | | | 86.92 | 63.08 | | |
| | 105.19 | 46.81 | | | 88.08 | 63.92 | | |
| | (O-E)^2/E | | | | (O-E)^2/E | | | |
| | 0.26 | 0.58 | X^2 = | 1.68 | 0.43 | 0.59 | X^2 = | 2.01 |
| | 0.26 | 0.58 | p value = | 0.196 | 0.42 | 0.58 | p value = | 0.156 |

We would like to see that the known, untreated controls (X) have similar growth, that the sprouting of broccoli seeds does not vary much normally. Since they are only 1 seed apart with a p value > 0.80, we can confirm that the untreated seeds in this series of experiments grew at a similar rate.

Comparing 2 known controls

| | Total Sprouts | Unsprouted | Total | | Full Sprouts | Other | Total | |
|---|---|---|---|---|---|---|---|---|
| vic X | 32 | 18 | 50 | vic X | 29 | 21 | 50 | |
| mags X | 33 | 17 | 50 | mags X | 30 | 20 | 50 | |
| Total | 65 | 35 | 100 | Total | 59 | 41 | 100 | |
| | expected | | | | expected | | | |
| | 32.50 | 17.50 | | | 29.50 | 20.50 | | |
| | (O-E)^2/E | | | | (O-E)^2/E | | | |
| | 0.01 | 0.01 | X^2 = | 0.04 | 0.01 | 0.01 | X^2 = | 0.04 |
| | 0.01 | 0.01 | p value = | 0.834 | 0.01 | 0.01 | p value = | 0.839 |

Combining controls (X) from all 3 past and current experiments show that the controls all grow in a similar fashion, at least when using full sprouts as a criteria. I should add that X1 had 25 days of growth, X2 19 days, current experiment (vic X and mags X) 18 days.

**Comparing all controls**

| | Total Sprouts | Unsprouted | Total |
|---|---|---|---|
| vic X | 32 | 18 | 50 |
| mags X | 33 | 17 | 50 |
| X1 | 39 | 11 | 50 |
| X2 | 38 | 12 | 50 |
| Total | 142 | 58 | 200 |
| | expected | | |
| vic X | 35.50 | 14.50 | |
| | (O-E)^2/E | | |
| vic X | 0.35 | 0.84 | |
| mags X | 0.18 | 0.43 | |
| X1 | 0.35 | 0.84 | |
| X2 | 0.18 | 0.43 | |
| | X^2 = | 3.59 | |
| | p value = | 0.309 | |

| | Full Sprouts | Other | Total |
|---|---|---|---|
| vic X | 29 | 21 | 50 |
| mags X | 30 | 20 | 50 |
| X1 | 33 | 17 | 50 |
| X2 | 31 | 19 | 50 |
| Total | 123 | 77 | 200 |
| | expected | | |
| vic X | 30.75 | 19.25 | |
| | (O-E)^2/E | | |
| vic X | 0.10 | 0.16 | |
| mags X | 0.02 | 0.03 | |
| X1 | 0.16 | 0.26 | |
| X2 | 0.00 | 0.00 | |
| | X^2 = | 0.74 | |
| | p value = | 0.864 | |

Comparing all 10 experiments we come close to statistical significance for "something out of the ordinary is happening"; $p < 0.07$, highlighted dishes contributing the most. jmer R_ and LCS L enhancing the growth, mags M inhibiting the growth.

**Comparing all 10**

| | Total Sprouts | Unsprouted | Total |
|---|---|---|---|
| LCS L | 39 | 11 | 50 |
| LCS R | 39 | 11 | 50 |
| jmer L_ | 37 | 13 | 50 |
| jmer R_ | 42 | 8 | 50 |
| vic HS | 34 | 16 | 50 |
| vic TC | 38 | 12 | 50 |
| vic X | 32 | 18 | 50 |
| mags X | 33 | 17 | 50 |
| mags MM | 31 | 19 | 50 |
| mags M | 28 | 22 | 50 |
| Total | 353 | 147 | 500 |
| | expected | | |
| | 35.30 | 14.70 | |
| | (O-E)^2/E | | |
| LCS L | 0.39 | 0.93 | |
| LCS R | 0.39 | 0.93 | |
| jmer L_ | 0.08 | 0.20 | |
| jmer R_ | 1.27 | 3.05 | |
| vic HS | 0.05 | 0.11 | |
| vic TC | 0.21 | 0.50 | |
| vic X | 0.31 | 0.74 | |
| mags X | 0.15 | 0.36 | |
| mags MM | 0.52 | 1.26 | |
| mags M | 1.51 | 3.63 | |
| | X^2 = | 16.58 | |
| | p value = | 0.056 | |

| | Full Sprouts | Other | Total |
|---|---|---|---|
| LCS L | 38 | 12 | 50 |
| LCS R | 35 | 15 | 50 |
| jmer L_ | 35 | 15 | 50 |
| jmer R_ | 40 | 10 | 50 |
| vic HS | 31 | 19 | 50 |
| vic TC | 34 | 16 | 50 |
| vic X | 29 | 21 | 50 |
| mags X | 30 | 20 | 50 |
| mags MM | 31 | 19 | 50 |
| mags M | 25 | 25 | 50 |
| Total | 328 | 172 | 500 |
| | expected | | |
| | 32.80 | 17.20 | |
| | (O-E)^2/E | | |
| LCS L | 0.82 | 1.57 | |
| LCS R | 0.15 | 0.28 | |
| jmer L_ | 0.15 | 0.28 | |
| jmer R_ | 1.58 | 3.01 | |
| vic HS | 0.10 | 0.19 | |
| vic TC | 0.04 | 0.08 | |
| vic X | 0.44 | 0.84 | |
| mags X | 0.24 | 0.46 | |
| mags MM | 0.10 | 0.19 | |
| mags M | 1.85 | 3.54 | |
| | X^2 = | 15.92 | |
| | p value = | 0.069 | |