

16 November 1962

Dr. Earl L. Core, Chairman
Department of Biology
West Virginia University
Morgantown, West Virginia, U.S.A.

Dear Dr. Core:

Two years ago you published a short article about experiments I conducted while at Green Bank. The material turned out rather provocative. Since then, I have performed further tests to learn more of the details of the phenomenon in question. These are described in the attached note. Please examine and, if you see fit, I will be happy to have you include this material in a future issue of *Castanea*. Further variations of the subject matter will be tested on a new crop just coming up now.

I am,

Yours faithfully,

Grote Reber
Grote Reber

Ratio (Reversed Vines)/(Normal Vines)

Equal Importance
Each Pole Position

Combined into
Each Level

Seed	Level	Twining		Gms Pod	Beans Pod	Beans Gm	Beans Shucks	Trials for one Chance	Gms Pod	Beans Pod	Beans Gm	Beans Shucks
		Normal	Reversed									
Hawaiian Standard	Up to 1ft	16	17	.92	.99	1.04	1.09	6	.98	1.03	1.03	1.11
	1 to 4 ft	17	17	.96	1.01	.98	1.14	13	.95	1.02	.98	1.21
	Over 4 ft	9	12	.92	.98	.92	1.43	>100	.93	.98	.93	1.39
	Entire Pole	17	17	.93	.99	1.00	1.18	50	.97	1.02	.99	1.20
Hawaiian Black	1 to 4 ft	11	12	.85	.82	1.01	.89	2.5	.88	.86	1.03	.89
	Up to 1ft	16	17	.87	.95	1.06	1.12	5	.87	.96	1.06	1.11
	Entire Pole	16	17	.86	.90	1.04	1.02	5	.87	.90	1.05	.99
Scarlet Runner Standard	Up to 1ft	9	8	.93	.99	1.04	1.06	2.5	.88	.98	1.09	1.05
	1 to 4 ft	14	11	1.04	.94	1.11	1.08	>100	.94	1.00	1.05	1.06
	Over 4 ft	9	6	.96	.95	.99	1.17	44	.85	.88	1.04	1.05
	Entire Pole	15	12	1.00	.97	1.06	1.10	5	.89	.98	1.07	1.05

Entire Group

Twining	Percent Black Beans	Reversed Normal
Hawaiian Standard Normal	2.7	1.1
Hawaiian Standard Reversed	3.0	
Hawaiian Black Normal	2.9	1.4
Hawaiian Black Reversed	4.1	
Scarlet Runner Standard Normal	3.5	1.8
Scarlet Runner Standard Reversed	6.4	

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