

Graph And A Strat H₂O 40°F

Experiment Summary

Exp. Flasks

Treatment: Strat in H₂O @ 40°F

Seed - source, name

J.P. Seifler 87%

Treatment details

Date

1973

Feb. 5, 10AM Seed into 175cc flasks and covered with water 1" deep (75cc level). H₂O surface area = 78.77 sqcm. Water not agitated during test. All flasks covered with cardboard sheet except sample 1 below this left uncovered

Germination record

Date

Sample

Treatment

No. of seeds

Germination ^{1/}

Germination

No

No. of days

Total Viable

Tips : Complete
Percents Percents

in treatment
Percent

Mar 14 2PM

1

37

172 150 calc.

92 61

" " "

1 uncovered

37

103 90 "

61 68

Apr 13 9AM

2

67

48 42 "

Injured but ^{would} grow 4

8

Apr 75 8AM

3

79

112 97 "

" " " 1

1 pos.

May 7 8AM

4

91

108 94 "

0

0 B₇ oxide positive

Results of other tests @ 40°F

Test
SW 61

45

33

13 43

^{1/} In 7 days @ 68°F. Germination complete when root tip through seed coats.

Experiment

Strat Hro 40°F Flasks

Date	Time of day	Germ. time (days)	No.	Tips		Germination			No. of days
				Cum.	%	No.	Cum.	%	
									Start
		Sample	(2)	(48)	()				67
Apr. 13	9AM	0							
18	8AM	5							
			About 50% curving → 8mm growth All root tip injury. 30% dd. 8 cts colored						
			{ 4 would grow 38 curve to 8mm all dd. 6 DD no growth						
			(End)						
		Sample	(3)	(112)	()				
Apr 13	9AM	0							
Apr. 25	8AM								(79)
			1 out excised ? ? 4 definitely grow in strat → curv. to 2mm						
May 1	9AM								
			1 would grow } All root → 96 curve to 8mm } meristems 50% cts colored 15 No growth } "injured" All but one will die. (Pos.) } abnormal (End) } strat growth						
		Sample	(4)	(108)	()				(90)
May 7	8AM	0							
9	8AM	2							
10									
11		4							
			act excised. All appear dead No growth " " All dead positive (End)						

Finished