

1973

Bitterbrush Seed (H) Miscel. Strat 41°F Lab 7

Germin 68°F

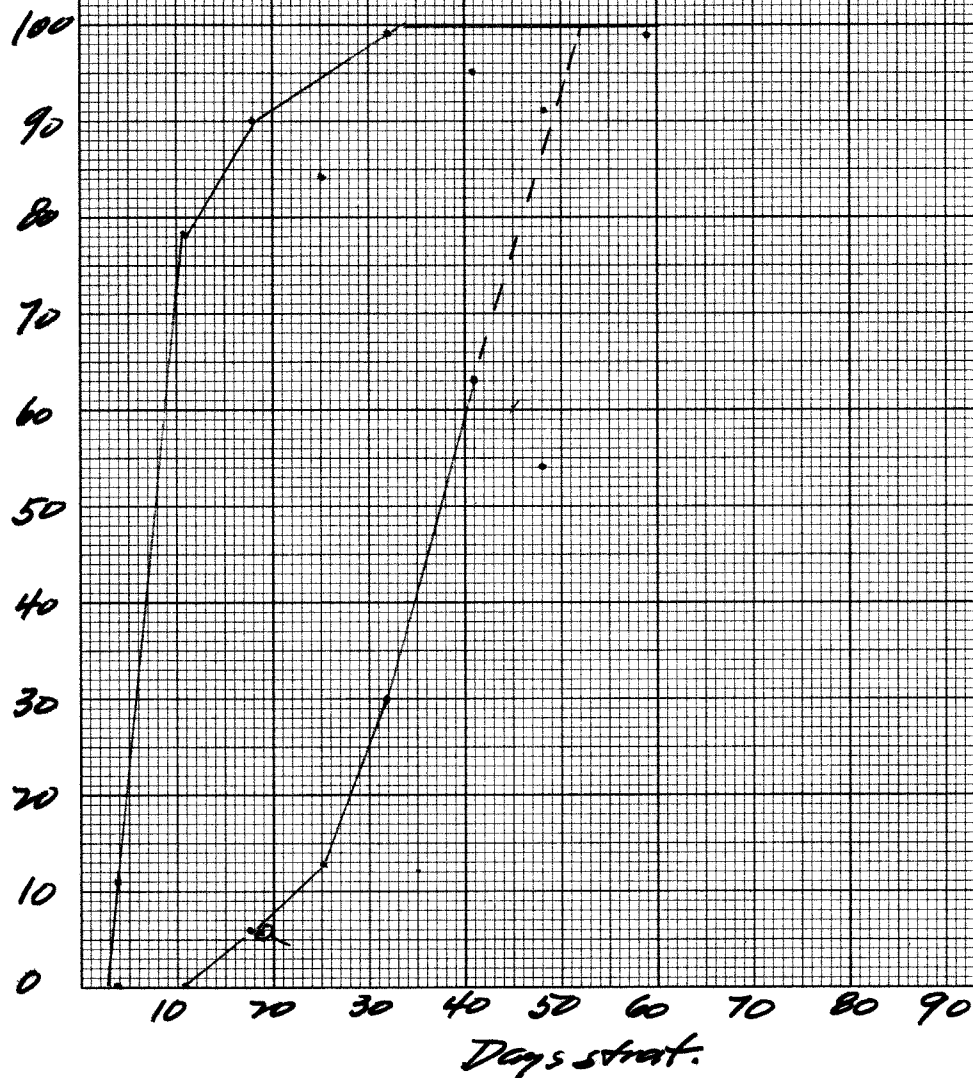
Mar. 20 1974

J. P. Bredner '73

87% viability

Hormone

Dec 7 - Mar 1974



Seed

Experiment Summary

Exp. (H)-73

Treatment *Misce Haneous Strat 40°F*

Seed - source, name *J. Pfeiffer '73*

Treatment details

Date *1973*

*Dec. 8 9 AM Seed into 40° strat* (C)

Germination record

Date	Sample No	Treatment (No. of days)	No. of seeds		Germination <sup>1/</sup>		Germination in treatment Percent
			Total	Viable	Tips Percents	Complete Percents	
<i>1973</i>							
<i>Dec. 12</i>	<i>1</i>	<i>4</i>					
<i>19</i>	<i>2</i>	<i>11</i>					
<i>26</i>	<i>3</i>	<i>18</i>					
<i>1974</i>							
<i>Jan 2</i>	<i>4</i>	<i>25</i>					
<i>9</i>	<i>5</i>	<i>32</i>					
<i>18</i>	<i>6</i>	<i>41</i>					
<i>25</i>		<i>48</i>					
<i>Feb. 11</i>		<i>65</i>					

<sup>1/</sup> In 7 days @ 68°F. Germination complete when root tip through seed coats.

Experiment

(H)

Miscellaneous Start 40°F Lab 7  
JP 87% v

Date	Time of day	Germ. time (days)	Tips			Germination			No. of days
			No.	Cum.	%	No.	Cum.	%	
Dec 7	4:30 P								
Dec 8	9 AM								(0)
Dec 12	1 PM								(4)
13	noon								
14	"								
17	"	5							
19	1 PM	7	(139)						
Dec 19	1 PM								
20	10 AM	-1							
21	8 AM	2							
24	10 AM	5	(34)						
26	9 AM	7							
Dec 26	9 AM								
27	1:30 PM	1							
28	11 AM	✓	(33)						
31	11 AM	5							
Jan 2	11 AM	7							

Sample (1) (154) (134)  
 out 40°F (store-start) into 68°F germs  
 2 tips 0 0  
 5% tips 0 0  
 1 1  
 11 12  
 3 15 - 11%  
 End  
 Sample (2) (101) (88)  
 5% tips 0 0 - 0%  
 9 9  
 42 51  
 16 67 - 78%  
 2 69 - 78%  
 End  
 Sample (3) (125) (109)  
 10% exercise to 6  
 6 6  
 52 58  
 34 92 out  
 6 98 - 90%  
 11V Nat 13  
 11V treat 10  
 End

(4)

Date	Time of day	Germ. time (days)	No.	Tips		Germination			No. of days
				Cum.	%	No.	Cum.	%	

Sample (4) (118) (103) 110V excise (25) ✓

Jan 2	11 AM	0				14	14	100%	25 ✓
3	10 AM	1				31	45	out	
4	10 AM	2	(37)			41	86	out	
7	11 AM	5				7	93		
9						-	93	-84%	

Excise remainder 75K 17V

End

Sample (5) (137) (115) 114V excise (32) ✓

Jan 9	10 AM	0				34	34	100%	32 ✓
10	9 AM	1	(41)			57	91		
11	10 AM	2				12	103		
14	9 AM	5				3	106		
18	noon	9				7	113	-99%	
25									

Into 40 Excised 1V

End

Sample (6) (139) (121) excise (44) ✓

Jan 18	noon	0				80	80	100%	44 ✓
21	10 AM	3	(59)			40	120		
22	3:30 PM					1	121		
23	10 AM					-	121	-95%	
Jan 25	10:30 A		(7) Last			163	163		48 ✓
28	8 AM	3				184	267		
29		4				4	271		
Febr 11									
14						20	20		57 ✓
13						3	23		65 ✓

Excise 296 (340) (317) out into 68°F

Back start Jan 31

outstreet

Agard 3V out germ. 23UV nat

H

6

NV	Norm	Ab.	Gdd	DT	DT	Days
not						Start

324 787  
~~340~~ ( ~~327~~ )

Jan 25 10:30A <sup>7</sup> out start into 68°F 54% 48  
 " 0 163  
 78 3 104  
 29 4 Back start 4  
 Jan 31 271 91%  
 (96)

Febr 11 <sup>7a</sup> out start. ~~55~~ (65)  
 12 1 20  
 13 23 3  
 294 99%  
 (7) + (7a)

23  
 3 NG  
 4 Gdd  
 30  
 294  
 324