

Bitterbrush Germination

Experiment 50°F Treatment strat Location Lab 7  
 Seed: Name Wheeler Source \_\_\_\_\_ Collection date \_\_\_\_\_  
 Viability: Hand cleaned ALH 1/29/78  
 By excise % From this test %

Date	Time of Day	Germ. time (days)	Tips		Germination			No of Days Treat.	
			(No)	(%)	(No)	(Cum)	(%)		
Apr 7	10:45A		Seed washed 3 minutes. See explanation in Exp. Strat 59°F						
"	11:00 AM		Seeds into 50°F as in Exp Strat 59°F.						(0)
			13 samples						
			Sample (1) ( 202 ) ( 196V ) GNV						
April 10	8AM	0	out 50° Into 68°		0	0	0	(3)	
	11 1PM	1			0	0	0		
	12 4PM	2			2	2			
	13 10AM	3			0	2			
	14 10AM	4			0	2			
	17 4PM	7	<u>Into 33° strat</u>		0	2		6 (End)	
May 1	3PM	0	out 50° Into 68°		-	-			
	5 11AM	4	Into 35°		24	26			
June 15	2PM	0	out 35° 6/10		germ { 135 161				
					tips { 35 196			(End)	
			Sample (2) ( 190 ) ( 183V ) 7NV						
April 17	3PM	0	out 50°F Into 68°		0	0	0	(10)	
	18 11AM	1			0	0	0		
	20 4PM	3			1	1			
	24 2PM	7	<u>Into 33° strat</u>		0	1		6 (End)	
May 1	3PM	0	out 50° Into 68°		-	-			
"	5 11AM	4	Into 35°		15	16			
June 19	12noon	0	out 35°-68°		149	165			
						18			
						183		(End)	
			Sample (3) ( 200± ) ( )						
April 24	2PM	0	out 50° Into 68 8/6 tips		0	0	0	(17)	
	25 2PM	1			3	3			
	26 2PM	2	Most tips Almost through		0	3			
			Appears to not reaching embryo in great enough quantity to support growth						
	27 10AM	3			0	3			
May 1	8:30A	7			0	3			
	5 11AM	11	Into 35°		0	3		Bulging (End)	

Bitterbrush Germination

Experiment 50°F Treatment \_\_\_\_\_ Location \_\_\_\_\_  
 Seed: Name \_\_\_\_\_ Source \_\_\_\_\_ Collection date \_\_\_\_\_

Viability: By excise % From this test %

Date 1978	Time of Day	Germ. time (days)	Tips		Germination			No of Days Treat.	
			(No)	(%)	(No)	(Cum)	(%)		
Sample (4) (163) (141) 22NV									
May 1	8:30 A	0	out 50°	In 68°	25 tips	0	0	0	20% muddy (24)
1	4 PM	1				0	0	0	
5	11 AM	4				0	0	0	Rotting
8	8 AM	7	In 35°			0	0	0	(End)
" 22	10 AM	0	out 35°			-	-	-	
24	1 PM	2	Back 35°			61	61		
July 19	8 AM	0	out 35°			80	141		
						0			(End)
						141	141		
						22			
						163			
Sample (5) (186) (167V) 19NV									
May 8	9 AM	0	out 50°	In 68°		0	0	0	
9	9 AM	1				0	0	0	
10	9 AM	2				2	2		
11	9 AM	3				0	2		
15	9 AM	7	In 35°			0	2		(End)
Aug 2	10 AM	0	out 35°	In 60°		163	165		Dark roots but ok
						2			
						165	167		(End)
						21			Excised Aug 2 2V
						186			
Sample (6) (168) (149V) 19NV									
May 15	9:30 A	0	out 50°	In 68°		2	2		(38)
16	9:00 A	1				2	4		
18	1 PM	3				0	4		
19	9 AM	4				0	4		
21	9 AM	6				2	6		
22	9 AM	7	In 35°			1	7		(End)
July 19	8 AM		out "			142	149		
						0			
						149	149		(End)
						19			
						168			