

Bitterbrush Germination

Experiment Stat 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 (7) (208) (185V) Y3NU								
May 22	9AM	0	out 50° In 68°	3	3		to 18mm	(45)
23	9AM	1		1	4			
24	9AM	2	50% budging	0	4			
26	9AM	3		1	5			
29	9AM	7		1	6			
June 2	9AM	11	In to 35°	0	6			(End)
July 21	9AM	0	ret " budging	170	176			
Aug 4	11AM	0	out 35°	8	184			
					1			
					185			(End)
					184			
					24			
					208			
Sample (8) (212) (185V) 27NU								
June 2	9AM	0	out 50°F	3	3		to 35mm	(56)
5	9AM	3		5	8			
7	9AM	5		0	8			
8	9AM	6		0	8			
10	9AM	8	In to 35°	1	9			(End)
July 21	9AM	0	out 35° Ret 35°	160	169			
Aug 4	11:30A	0	" 35° "	16	185			
					0			
					185			(End)
					185			
					27			
					212			
Sample (9) (157) (138V) 19NU								
June 10	9AM	0	out 50° In 68°	2	2		to 10mm	(64)
			80% budging. Heavy mortality. Rinsed					
16	7PM	6		2	4		To 20mm	
19	8AM	9	In to 35°	1	5		To 17mm	(End)
Aug 2	8AM	0	out 35°	178	133			
					5			
					138			(End)
					133			
					24			
					157			

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Experiment Strat 50°F Treatment _____ Location _____
 Seed: Name _____ Source _____ Collection date _____

Viability: By excise % From this test %

Date	Time of Day	Germ. time (days)	Tips		Germination			No of Days Treat.
			(No)	(%)	(No)	(Cum)	(%)	
June 19	8AM	0	Sample (10) (209) (177V) 32NU					
			(out 50° In 68° clumps "white" mold)	5	5		To 25mm Rinsed	
20	8AM	1	Most bulging 60-70%	1	6		175	
21	9AM	2		1	7		34	
22	8AM	3		2	9		209	
23	8AM	4		2	11		To 12mm	
26	9AM	7	Into 35°F	2	13		(End)	
Aug 10	9AM	0	out 35°	162	175		177 (End)	
June 19	8AM	0	Sample (11) (192) (173) 19NU 3, 7AM					
			(In strat clumps white mold)	0	0		Rinsed	
22	8AM		In strat	0	0			
23	8AM		" "	2	2			
26	9AM		" " Covered with silver paper	0	2			
28	9AM		" "	1	3		lost	
July 3	8AM		" " (But down to 37°F since 6/30)	5	8		Paper effect mainly	
" 6	8AM		Superior (Max 2 days strat @ 37°)	15	23		To 27mm Arc 10mm	
" 8	8AM		" "	1	24		5	
" 20	8AM		" " out 50° In 68°	8	32		(End) See Cont'd	
June 19	8AM	0	Sample (12) (205) (185V) 20NU					
			(In strat patches white mold)	3	3		To 40mm Rinsed	
22	8AM		In strat	0	3			
23	8AM		" "	0	3			
26	9AM		" " Covered with silver paper	0	3			
July 3	8AM		" " (Down to 37°F since 6/30)	22	25		Paper effect mainly	
" 6	8AM		Superior (Max 2 days strat @ 37°)	53	78		To 27mm Arc 11mm	
" 8	8AM		" "	6	84		To 6mm	
" 20	8AM		" " out 50° Into 68°	5	89		5 (End) See Cont'd	

Note! (Samples 11, 12, 13 exposed to temperatures from 50°F down to 37°F for an unknown period of time from June 30 4PM to July 3, 7AM)

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Experiment Start 50°F Treatment _____ Location _____
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Viability: By excise % From this test %

Date	Time of Day	Germ. time (days)	Tips		Germination			No of Days Treat.
			(No)	(%)	(No)	(Cum)	(%)	
June 19	9AM	0	In strat		6	6	25/44	To 50mm
			Sample (13) (202) (177V) 25/44 3 sprouted to 15-20mm then decayed. These brownish mould. Considerable patches of white mould in dish. Rinsed					
22	8AM		In strat		0	6		
23	8AM		" "		2	8		
26	9AM		" " Covered with 5/16 paper		0	8		
28	9AM		" "		1	9		
July 3	8AM		" (T down to 37°F since 6/30)		5	14		Paper effect mainly
" 6	8AM		[2 days strat 37°F]		12	26		Mainly To 19 Ave Exam
" 8	8AM				0	26		
" 20	8AM		out 50° Into 68°		24	50		5 (End)
" 21	8AM		At 68°F		6	56		
" 31	1PM		" " Into 35.5° strat		7	63		6 (End)
Aug 22	8AM	0	out 35 Into 68°		83	146		
						31		
						177		End
						146		
						56		
						202		

Sample () ()