

Bitterbrush Germination

Experiment 59°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 1978	Time of Day	Germ. time (days)	Tips		Germination			No of Days Treat.	
			(No)	(%)	(No)	(Cum)	(%)		
April 7	10:45A		Seed "washed" 3 minutes (Floated off immature seed, fruit, husks twigs. Then into 13 Petri dishes approx 120 seeds per sample)						
April 7	11:00 AM		Seeds into 59°F box in sterilizing cans (13 samples) Sample (1) (208) (183V) 25HV						(0)
April 10	8 AM	0	out 59° Into 68°		0	0	0	(3)	
	11	1			0	0	0		
	12	2			0	0	0		
	13	3			0	0	0		
	14	4			0	0	0		
	17	7	Into 33°F strat		0	0	0	(End)	
May 1	3 PM	0			-	-	-		
	5	4	Into 35°		29	29			
June 29	noon		out " Back 35°		137	166			
Aug 4	1:30 P	0	" "		17	183	183	(End)	
			Sample (7) (201) (187V) 14HV						
April 17	3 PM	0	out 59° Into 68°		0	0	0	(10)	
	18	1			0	0	0		
	20	3			0	0	0		
	24	7	Into 33°F strat		1	1		(End)	
May 1	3 PM	0	out 59° To 68°		-	-		187	
	5	4	Into 35°		7	8		14	
June 29	noon		out " Back 35°		158	166		201	
Aug 3	2 PM	0	out 35		21	187		(End)	
							187		
			Sample (3) (200±) ()						
April 24	2 PM	0	out 59° Into 68°F 20% tips		0	0	0	(17)	
	75	1			0	0	0		
	76	2	75% tips. Seeds not as		0	0	0		
			for advanced in growth as with 50° strat						
	27	3			0	0	0		
May 1	8:30A	7	Into 35°F strat		0	0	0	(End)	
	5	11			0	0	0		
July 19	8 AM		Heavy germin		-	-	-		
			See other samples for % viability						

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Date 1978	Time of Day	Germ. time (days)	Tips		Germination			No of Days Treat.
			(No)	(%)	(No)	(Cum)	(%)	
			Sample (4) (217) (194V) 23NV (24)					
May 1	8:30A	0	out 59° Into 68°		1	1	80% discs mounted	
2	4 PM	1			0	1		
5	11 AM	4			0	1		
8	9 AM	7	Into 35°		1	2	(End)	
" 22	10 AM	0	out 35° Into 68°		-	-		
24	1 PM	2	Back 35°		82	84		
July 21	9 AM	0	out " Back 35°		106	190		
Aug 4	11:30A	0	" "		4	194		
						0 194		(End)
			Sample (5) (290) (256V) 34NV					
May 8	9 AM	0	out 59° Into 68°		4	4		
9	9 AM	1			0	4		
10	9 AM	2			0	4		
11	9 AM	3			0	4		
15	9 AM	7	Into 35°		0	4	(End)	
Aug 3	8 AM	0	out " Into 68°		246	250		
						6 256		(End)
						750 36 786 14 790		
			Sample (6) (227) (202V) 25NV (38)					
May 15	9:30A	0			4	4		
16	9:00A	1			0	4		
18	1 PM	3			1	5		
19	9 AM	4			0	5		
21	9 AM	6			0	5		
22	9 AM	7	Into 35°		0	5	(End)	
July 21	9 AM	0	out " Back 35°		175	180		
Aug 4	11:30A	0	" "		27	202		
						0 202		(End)
						207 25 221		

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Date 1978	Time of Day	Germ. time (days)	Tips		Germination			No of Days Treat.
			(No)	(%)	(No)	(Cum)	(%)	
Sample (10) (216) (194V) 27NU								
June 10	10AM	0	In street @ 59°F		5	5	To 50mm	
" 16	3PM		" "		1	6		
19	9AM	0	out 59° To 68°		0	6		179
20	8AM	1	5/6 10% bulging		0	6		37
21	9AM	2			0	6		216
22	8AM	3			0	6		
23	8AM	4			2	8		
26	9AM	7	Into 35. Covered filter paper		1	9		End
Aug 10	9AM	0	out 35°		170	179		End
15 / 194								
Sample (11) (207) (189V) 18NU								
June 10	10AM	0	In street @ 59°F		1	1	To 50mm	
" 16	3PM	6	" "		0	1		
19	9AM	9	" "		0	1		136
22	8AM	12			0	1		11
23	"	13			0	1		207
26	9AM	16	" " Covered filter paper		1	2		July 31 2 10
28	9AM	18	" "		1	3		Now into 35.5° start
July 3	8AM		" "		1	4		Aug 28 out 35 To 68°
6	8AM		" "		2	6		in 30 126 136
July 20	8AM		" " out 59° To 68°		2	8		53
Sample (17) (221) (201V) 20NU 189 End								
June 10	10AM	0	In street @ 59°F		2	2	To 45mm	
" 16	3PM	6	" "		0	2		127
19	9AM	9	" "		0	2		94
22	8AM	12	" "		3	5		221
23	8AM	13	" "		0	5		July 31 4 12
26	9AM	16	" " Covered filter paper		0	5		Now into 35.5°F
28	9AM	18	" " "		1	6		Aug 31
July 3	8AM		" "		1	7		@ 68° 115 127
6	8AM		" "		1	8		74
20			out 59 To 68°		0	8		201 End

