

#104

Bitterbrush Germination

Fruit (6 samples)
germ Petri

Experiment Soil-clay pots Treatment Start 59°F Location Lab 7
Seed: Name Whacker 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)	(%)		
Nov 13	10:00 AM		Fruits into soil in clay pots, wetted and into 59°F. Fruits out of soil and germinated in Petri dishes @ 68°F - each sample						①
			Sample ① (147) (126V) 121NV						
Nov 20	4 PM	00	out 59° In 68°	1/2 tips?	0	0	0		
21	8 AM	1	@ 68	" "	0	0	0		
22	8 AM	2	"	" "	0	0	0		
23	9 AM	3	"	" "	0	0	0		
24	8 AM	4	"	" "	0	0	0		
25	8 AM	5	"	" "	0	0	0		
26	8 AM	6	"	" "	0	0	0		
28	8 AM	8	"	Into 40°	0	0	0	End	
Mar 15	2 PM	0	out 40 In 68	super super	103	103	23	To 100 Ave 2mm	
			Sample ② (120) (105V) 15NV						End
Nov 27	9 AM	00	out 59 To 68°	No tips	0	0	0		
" 28	9 AM	1	@ 68	Brown fruits No tips	0	0	0		
" 29	3:45 P	2	"	"	0	0	0		
" 30	3:15 P	3	"	"	0	0	0		
Dec 1	8 AM	4	"	"	0	0	0		
" 4	"	"	"	Into 40°	0	0	0	End	
Mar 15	2 PM	0	out 40 In 68°	super super	60	60	2	To 100 Ave 2mm	
April 11	2 PM	0			2	62	43	End	
			Sample ③ () ()						
Dec 18	9 AM	00	out 59° In 68°		0	0	0	Fruits brown	
19	"	1	@ 68	No tips	0	0	0		
20	"	2	"	" "	0	0	0		
21	"	3	"	Into 40°	0	0	0	Dark brown	
Mar			out 40 In 68°						
Apr. 11	2 PM	0	out 40	Back 40°	35	35			
12	11 AM	0	out 40	In 31	10	45			
June 4	8 AM	0	@ 68	super	22	67			
6	"	2	"	super	6	73		Over	

(3)	Cont'd	June 6	6	73		
June 7	8AM	3 @68	17	90	Super	
8	"	4 "	16	106	"	
" 11	"	7 " In 31	6	112	Super	Super
July 19	"	-3 @68	14	126	"	"
20	"	-4 " In 31	5	131	"	"

#104

Bitterbrush Germination

Fruit

Experiment 59 soil clay pots

Treatment Strat 59

Location Lab 7

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)	(%)	
Dec 26	2PM	0	0	0	0	0	0	Fruits brown
27	9AM	1	0	0	0	0	0	" "
29	"	"	0	0	0	0	0	Darker "
Jan 2	8AM	7	0	0	0	0	0	Dark brown
April 18	11AM	0	41	41	41	41	41	In 31°
June 4	8AM	0	18	59	18	59	59	
" 6	"	2	30	89	30	89	89	
" 7	"	3	18	107	18	107	107	(over)
Jan 15	1PM	0	0	0	0	0	0	Dark brown mould
17	8AM	2	0	0	0	0	0	" "
19	"	4	0	0	0	0	0	" "
23	11AM	7	0	0	0	0	0	Dark brown No spores
Apr 18	11AM	0	30	30	30	30	30	In 31°
June 4	8AM	0	44	74	44	74	74	
6	"	2	5	79	5	79	79	
7	"	3	20	99	20	99	99	
8	"	4	6	105	6	105	105	
11	"	7	2	107	2	107	107	Super Super
Jan 31	8AM	0	0	0	0	0	0	No mould
Apr 18	1PM	0	10	10	10	10	10	super Black
June 4	8AM	0	16	26	16	26	26	
6	"	2	4	30	4	30	30	
7	"	3	23	53	23	53	53	
8	"	4	7	60	7	60	60	
11	"	7	1	61	1	61	61	Super
July 19	"	-3	59	120	59	120	120	" super
20	"	-4	2	122	2	122	122	" "

Sample (4)

(43)

Sample (5)

(over)

Sample (6)

Last →

④ Cont'd June 7				18	107	
June 8	8AM	4	@68	3	110	Super
"	11	"	7 " In 31	1	111	Super super
July 19	"	-3	@68	20	131	" "
20	"	-4	" In 31	2	133	" "

⑤ Cont'd				—	107	
July 19	8AM	-3	@68	16	123	Super super
20	"	-4	" In 31	1	124	" "

104

Bitterbrush Germination

Seed (5 samples)
germ Petri

Experiment Soil-clay pots Treatment Start 59°F Location Lab 7

Seed: Name Wheeler Lem. 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)	(%)		
Nov 13	10:00 AM		Seed into soil in clay pots, wetted and into 59°F. Seeds out of soil and germinated in Petri dishes @ 68°F. Each sample						Start
			Sample (1) (736) ()						(0)
Nov 20	4 PM	0	out 59° In 68°	5% tips	1	1	6mm	(7)	
21	8 AM	1	@ 68°		0	1			
22	8 AM	2	"	To 1/2. Are 6mm	4	5			
23	9 AM	3	"	0	0	5			
24	8 AM	4	"		0	5		230	
25	8 AM	5	"		0	5		6	
26	8 AM	6	"	2mm	1	6		736	
28	8 AM	8	"		0	6		(End)	
Jan 25	9 AM		736 Total v 8 NU - Most germ. No count						(End)
			Sample (2) (200) (169V) 31 NU, 60, 7mm						
Nov 27	9 AM	0	out 59° In 68°	15% tips	0	0		(14)	
" 28	9 AM	1	"	bulging tips 2%	0	0			
" 29	3:45 P	2	"	"	0	0			
" 30	3:30 A	3	"	"	1	1			
Dec 1	8 AM	4	"	"	0	1		143	
" 4	"	7	"	" Into 40°	1	2		(End) 57	
Jan 12/79	"	0	out 40° In 68°		73	75	Super	200	
15	"	1	@ 68		18	93	"		
17	"	"	"	In 40°	3	96			
Febr 6	8 AM	"	"		Super 7	47	143	169 (End)	
			Sample (3) (278) (270V) 8 NU						
Dec 18	9 AM	0	out 59° In 68°	20% tips	2	2			
19	"	1	@ 68	20% tips	1	3	To 1/2 inch		
20	"	2	"	"	0	3			
21	"	3	"	Into 40°	0	3			
Febr 7	2 PM	0	@ 68 Super		179	182			
			Remaining in dish to be counted v, NU etc						
9	7 AM	2		Blade	1	183		225	
12	8 AM	5		In 40°	0	183		45	
Mar. 21	1 PM	0	out 40° In 68°		8	191		270	
April 11	2 PM	0			34	225		8 NU	
						270		278 (End)	

