

SEEDLING MORTALITY  
1936

(1) No. alive at end of each examination period

- 1. 3130
- 2. 3172
- 3. 2307
- 4. 1414
- 5. 980
- 6. 749
- 7. 609
- 8. 545
- 9. 511
- 10. 436

(2) No. germinated between examination periods

- 1. 4251
- 2. 1092
- 3. 247
- 4. 37

5627

(3) No. died, all causes, between ex. periods

- 1. 1121
- 2. 1050
- 3. 1112
- 4. 930
- 5. 434
- 6. 231
- 7. 140
- 8. 64
- 9. 34
- 10. 75

5-191

5-191  
75  

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5116

(4) No. died, livestock, between ex. periods

	Grazing	Stepping	Total
3.	2	18	20
4.	2	18	20
5.	1	4	5
6.	1	7	8
7.		1	1
8.		1	1
	<hr/> 6	<hr/> 49	<hr/> 55

,RR  
Pine Ranges  
Burgess Spring

R.W. Gardner  
February 5, 1937

SEEDLING EXAMINATION DATES

B.S.E.R. 1936

1. May 19-23 25-27
2. June 15-18
3. July 7-9
4. July 21-23
5. Aug. 5
6. Aug. 19
7. Sept. 3
8. Sept. 16-17
9. Oct. 1 /
10. Nov. 8

RS  
M-1  
F. B. S. E. R.  
1936

# Survival by Periods

Table 2.

Jeffrey pine						Ponderosa pine				
Germination periods:						Germination periods:				
Examination	1	2	3	4	Total	1	2	3	4	Total
Date No.	May 27	June 18	July 9	July 23		May 27	June 18	July 9	July 23	
GERMINATION	2173				GERMINATION	2078				
May 27	1	1640	558		1640	1	1490	534		1490
June 18	2	1191	514	131	1705	2	989	478	116	1467
July 9	3	871	318	100	1289	3	670	259	89	1018
July 23	4	555	175	53	783	4	435	128	39	602
Aug. 5	5	404	105	36	562	5	305	84	23	418
Aug. 19	6	323	85	27	446	6	226	59	14	303
Sept. 3	7	270	73	17	370	7	183	42	12	239
Sept. 17	8	246	60	16	330	8	165	37	11	215
Oct. 1	9	234	57	14	311	9	154	34	10	200
Nov. 8	10	197	48	11	262	10	136	30	7	174
FINAL SURVIVAL:										
Total No.	197	197	48	11	262	136	30	7	1	174
Percent of Survival	75.19	18.32	4.20	2.29	100.00	78.16	17.24	4.02	.58	100.00
Percent of germination	9.07	8.60	8.40	28.57	9.09	6.54	5.62	6.03	6.25	6.39
Jeffrey and Ponderosa pine combined										
Germination Periods:										
Examination	1	2	3	4	Total					
Date No.	MAY 27	JUNE 18	JULY 9	JULY 23						
GERMINATION	4251				4251					
MAY 27	1	3130	1092		3130					
JUNE 18	2	2180	992	297	3172					
JULY 9	3	1541	577	189	2307					
JULY 23	4	990	303	92	1414					
AUG. 5	5	709	189	59	980					
AUG. 19	6	549	144	41	749					
SEPT. 3	7	453	115	29	609					
SEPT. 17	8	411	97	27	545					
OCT. 1	9	388	91	24	511					
NOV. 8	10	333	78	18	436					
FINAL SURVIVAL										
TOTAL NO.	333	78	18	7	436					
Percent of Survival	76.38	17.89	4.13	1.60	100.00					
Percent of germination	7.83	7.14	7.29	18.92	7.75					

L.D. Lloyd 2/18/37  
From Summary  
made by State Dept.

RS  
M-1  
F, B. S. E. R.  
1936

Summaries of Forestation Study  
Burgess Spring Experimental Range - 1936.

Table 1.

Germination by Periods					
Examination No.	1	2	3	4	
Date	Previous to & inc. MAY 27	MAY 28 TO JUNE 18	June 19 TO July 9	July 10 TO July 23 inc.	TOTAL No. %
Jeffrey pine No.	2173	558	131	21	2883 51.24
Percent	75.37	19.36	4.54	.73	100.00
Ponderosa Pine No.	2078	534	116	.16	2744 48.76
Percent	75.73	19.46	4.23	.58	100.00
Total	4251	1092	247	37	5627 100.00
Percent of total	75.55	19.40	4.39	.66	100.00

LD. Lloyd 2/8/39  
From summaries made by  
STATISTICAL DEPT.