

PR
Pine Ranges
Artificial Re-seeding
Bitterbrush

Summary

May 18, 1943

Falls Planting of Pt Fruit

Average depth of planting ^{1/2 to} 1 1/2 below ground surface.

Planting Area	Date of planting	No of spots plants	Germination of spots Per Cent	
No 1 Alamos Delicor	Sept 30 1942	40	60	2400
No 2 Lassen Dry Lake	Oct 2 1942	75	68	1700
No 3 Madoc Blue Mt	Oct 6 1942	100	16	1600
				<u>5700</u> 34% aver. ger.

Remarks.

Some of the planted fruits were dug up by rodents. Others were not planted deep enough nor covered properly and were heaved out of the ground, and eaten. Perhaps a few were destroyed by rodents etc after germination.

These results are encouraging and indicate the feasibility of fall planting of fruits. Germination was expected if the seeds were not destroyed by rodents etc. These trials were made primarily to see whether or not the rodents would eat the seed. Under favorable planting conditions, that is planting to a depth of 1 to 2" and covering adequately 50 to 75 per cent germination may be expected.

Recommendation.

Plant fruits 1/4 to 1 1/4 inches below soil surface. Be sure that they are well covered with soil.

ERC
Pine Ranges

Bitterbrush
Fall Planting of Fruit

May 18, 1943
A. Horman

Artificial Reseeding
Bitterbrush

Planting Area No 1
Sept 30, 1942

Delleker, Plumas N.F.
Planted 16 inches north and south of 20 stakes,
10 to 20 fruits in each spot, sown 1 to 1 1/2" deep in soil.
Seed sown N of stake - from Crater Mt 1942
" " S " " - from Delleker Mt " "
Germination (number of seedlings per spot)

Stake No	Max	10 to 14	15 to 19
1	8	0	0
2	2	0	0
3	2	0	0
4	0	0	0
5	7	1	0
6	8	0	0
7	5	0	0
8	7	0	0
9	1	0	0
10	2	0	0
11	4	0	0
12	0	0	0
13	12	5	0
14	17	5	0
15	18	7	0
16	18	0	0
17	6	0	0
18	15	0	0
19	16	11	0
20	7	4	0

60
4/240

24 spot germinated

60% germination
of spots.

Fall Planting of Bitterbrush Fruit

Planting Area No 7 Dry Lake, Reseeding Enclosure Lassen Nat

Oct 2 1942 Planted 4" south of stakes in N end of enclosure. Average 10 seeds per spot. Planted 1 1/2" deep in soil. Grater Mt seed used

Germination (no. of seedlings per spot)

Stake No	May 11 1943	June 15
1	2	0
2	0	0 NG
3	1	0
4	9	5
5	15	2
6	2	0
7	9	1
8	13	6
9	0	0 NG
10	3	0
11	4	0
12	0	0 NG
13	14	8
14	0	0 NG
15	1	0
16	6	2
17	0	0 NG
18	0	0 NG
19	2	1
20	1	0
21	1	0
22	6	0
23	0	0 NG
24	0	0
25	1	0

25	68	17 spots germinated
1170	150	68% germination of spots.
100		

May 18, 1943

Planting Area No 3 Blue Mt Enclosure (South of B.M.H.) Madoc N.F.

5 inches

Oct 6 1942 Planted E and W of 50 white painted, numbered stakes. Av. 10 seeds per spot 1 1/4" deep in soil

May 13 1943

Croton Mt seed used.

Stake No	E	W	Total	E	W	Total
1				26		
2				27		
3				28		
4				29		
5				30		
6				31		
7				32		
8				33		
9				34		
10				35		
11				36		
12				37		
13				38		
14				39		
15				40		
16				41		
17				42		
18				43		
19				44		
20				45		
21				46		
22				47		
23				48		
24				49		
25				50		

Total germination 16