

Weight of seeds

CALIFORNIA FOREST & RANGE EXPERIMENT STATION

February 2, 1942

MEMORANDUM FOR A. L. HORMAY

Refer to your note of January 2, with regards to the weighing of Bitterbrush Seeds.

The seeds from each of the 20 envelopes were weighed to the nearest .001 gram. The number of seeds per envelope and weight of those seeds is recorded on the envelope. The following is a tabulated statement of the results:

No. of Envelope	No. of Seeds	Wt. of Seeds in grams	Float		Sink	
			Good	Bad	Good	Bad
1	20	0.220		4	6	10
2	20	0.205	2	5	7	6
3	20	0.183		2	9	9
4	20	0.218		6	10	4
5	20	0.200		5	10	5
6	20	0.231	1	6	9	4
7	20	0.242		4	9	7
8	20	0.179		4	5	11
9	20	0.227	2	1	7	10
10	20	0.237		3	10	7
11	20	0.215	1	4	6	9
12	20	0.211		2	10	8
13	20	0.261	1	1	13	5
14	20	0.169		4	7	9
15	21 20	0.248 0.226	1	1	12	6
16	20	0.195		5	7	8
17	19 20	0.215 0.226		2	12	6
18	20	0.210		2	12	6
19	20	0.200		4	6	10
20	20	0.259		6	9	5
			8	71	176	145

Key: Please compute number of good seeds per pound M ± 2 S_m

P. B. Rowe
P. B. ROWE, Associate Silviculturist

Carl C. Wilson
by CARL C. WILSON, Unit Supervisor, W.P.A.

Total tested 400 seeds
Bad, total 54%
Good " 46%

19.75% of seed floated 80.25% of seed sank
2% of this good seed 44% of seed that sank, good
17.75% bad seed 36.25% " " " , bad