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RR MANAGEMENT  
P. PINE RANGES  
Bitterbrush ✓  
Seed germination

December 23, 1942

Experiment No. 4

Object of study

To determine the effect of the period of soaking in water on the germination of shelled and unshelled bitterbrush seed.

Materials

Seed

Use one lot of approximately 1,000 unshelled seed collected at Pilgrim Creek, and another thousand unshelled seed from Truckee.

Plan of experiment

Place the two lots of seeds in separate jars and fill each with water, and place in the cold room at 5° Centigrade. Each day thereafter for about 5 days remove 40 seeds from each lot, shell 20 seeds in each, and plant shelled and unshelled seeds in soil and retain at 5° C. for the stratification period. Also remove samples on the tenth, fifteenth, and twentieth days after December 23. Plant one set in the greenhouse and continue to stratify the second set as indicated above for the other samples.

Schedule

Start stratification December 23 2 P.M.. Stratify for a period of approximately 3 weeks. The best period of stratification can be judged from the results of experiment No. 2 which has been in progress for 3 weeks.

**Note:** The seeds used in this experiment were soaked for a period of 24 hours at room temperature before being placed in the cold chamber on December 23.

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