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'(*Artemisia aucheri*)

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(*Artemisia aucheri*)

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*Senecio*  
*(Capsella bursa)* *vulgaris*

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(ISTA)<sup>۵</sup>

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*Agropyron*

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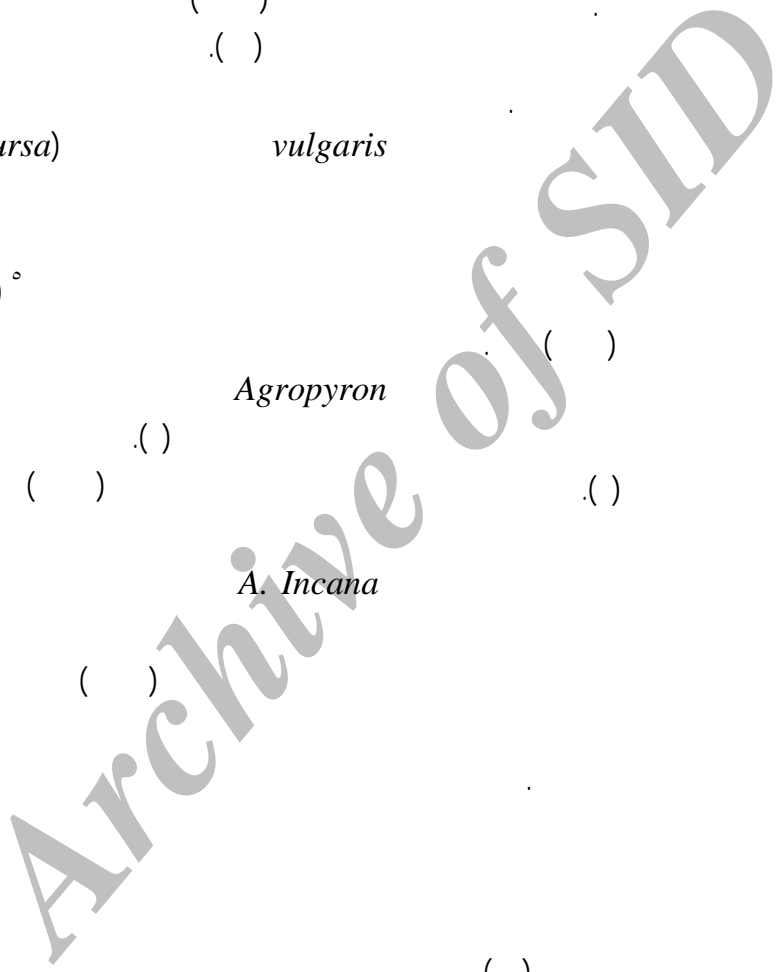
*A. Incana*

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۱- Keeley  
 ۲- Elliason & Allen  
 ۳- Montalvo  
 ۴- Dehart  
 ۵- International Seed Testing Association

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الف) درصد جوانه‌زنی در سه ارتفاع مختلف

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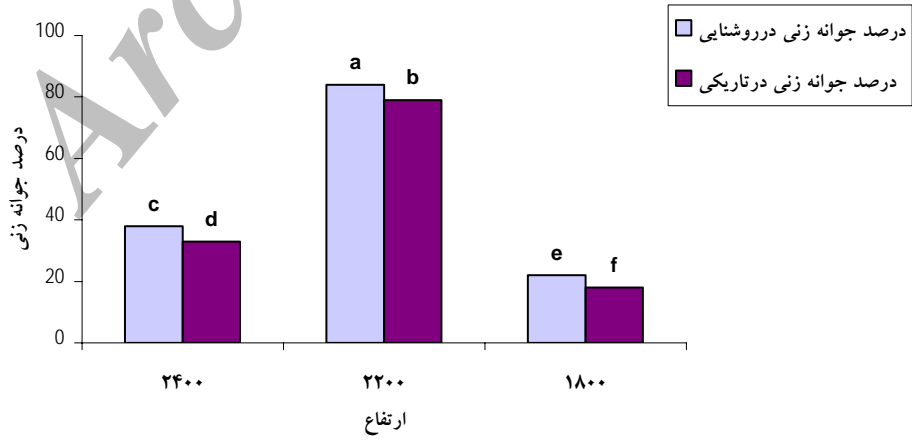
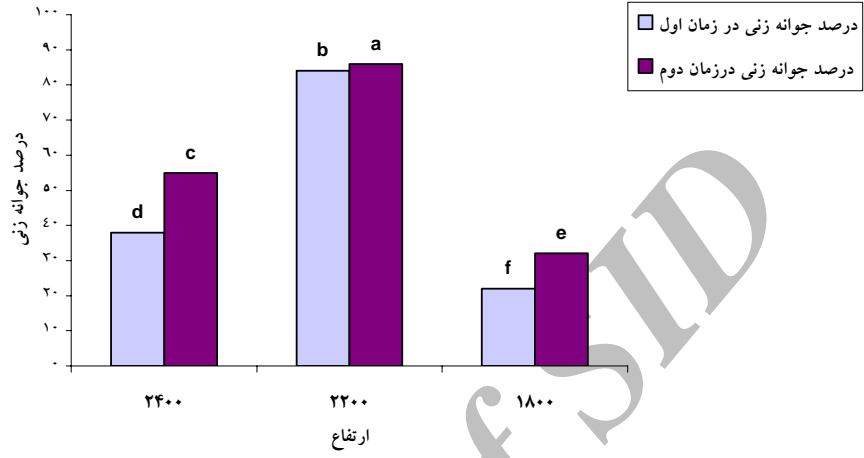
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*Artemisia*

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*At. lentiformis* , *Atriplex verruciferum*

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- 11- Dehart. 1994. Propagation Secrets for California Native Plants, Jeanine Dehart, Encinitas, CA. 28p.
- 12- Draper S.R., 1985. Seed Science and Technology, V.13 No. 2.
- 13- Elliason, S.A., and E.B. Allen. 1997. Exotic Grass Competition in Suppressing Native Shrubland Reestablishment. Restoration, ecology 5:245-235.
- 14- Keeley, J.E. 1987. Role of Fire in Seed Germination of Woody Taxa in California Chaparral, Ecology. 68:434-443.
- 15- Meyer, E.S., Monsen, S.B., 1992. Big Sagebrush Germination Patterns: Subspecies and Population Differences. Journal of Range Management 45:87-93
- 16- Montalvo, A. M., P.A. McMillan and E.B. Allen, 2002. The Relative Importance of Seeding Method, Soil Ripping, and Soil Variables an Seeding Success. Restoration Ecology. 10:52-67.

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## Investigation on Germination of Sage Brush (*Artemisia aucheri*)

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H.Azarnivand<sup>2</sup>

### Abstract

This research was carried out to investigate germination in *Artemisia aucheri*. For this purpose, seeds were collected from Vard Avard/ Karaj in late November 2002. Experiments were performed in a randomized complete design in the seed laboratory, Natural Resources Faculty, Tehran University. Percent germination of seeds collected from three different altitudes were compared in dark as well as in light conditions and at two different times. Results indicated that percentage of germination at both times (December and next late May) at 2200m above sea level was higher than those at 1800 and 2400m. Also, in light conditions it was higher than in dark conditions, but germination speed in dark conditions was higher. Comparing the percentage germination at two different time stages, it was found that it increased 10-17% when seeds were kept for six months from collection in fridge temperature conditions.

**Keywords:** Germination, Viability, Sagebrush (*Artemisia*).

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