

USJ, BEIRUT, LEB

Purgning Buckthorn (EN)

Spino cervino (IT)

espino cerval (SP)

Nerprun purgatif (FR)

λευκαγκάθα, λευκάγκαθο (GR)

زفرين مسيل (AR-LB)



Rhamnus cathartica L.

Growth conditions in the wild



Native to Lebanon and Syria. It is as well distributed in all Europe, Iran and North Africa.



It is found on limestone substrata. It occurs frequently in a mountains places.



It is located in a wide altitudinal range, from ca. 900 to 2000 m. a.s.l.

Seed germination



Pre-treatments: imbibition in distilled water (2 h). Cold/moist stratification at 4°C on Agar (1%) with no direct light for 3 months. Germination at 20°C, 12h light/12h dark.



First seedlings may be observed in 3 months. Total test length: 6 months.

Average germination: 80%.

Seed information and collection



- Averaged weight for 100 seeds is 1.9 g (100g ≈ 5,263 seeds).
- Fruits must be collected when they have a blue-dark colour.
- Non-protected species, except inside protected areas where collection is regulated.

Seed management

- Cover the blade of a blender with a rubber material. Place the ripe fruits in the blender and turn it on for 1 min. Separate the seeds from the dirt using a sieve.
- Seeds are orthodox, so can be dehydrated at 15°C and 15% RH and stored at 5°C for several years, or -25°C as base collection.

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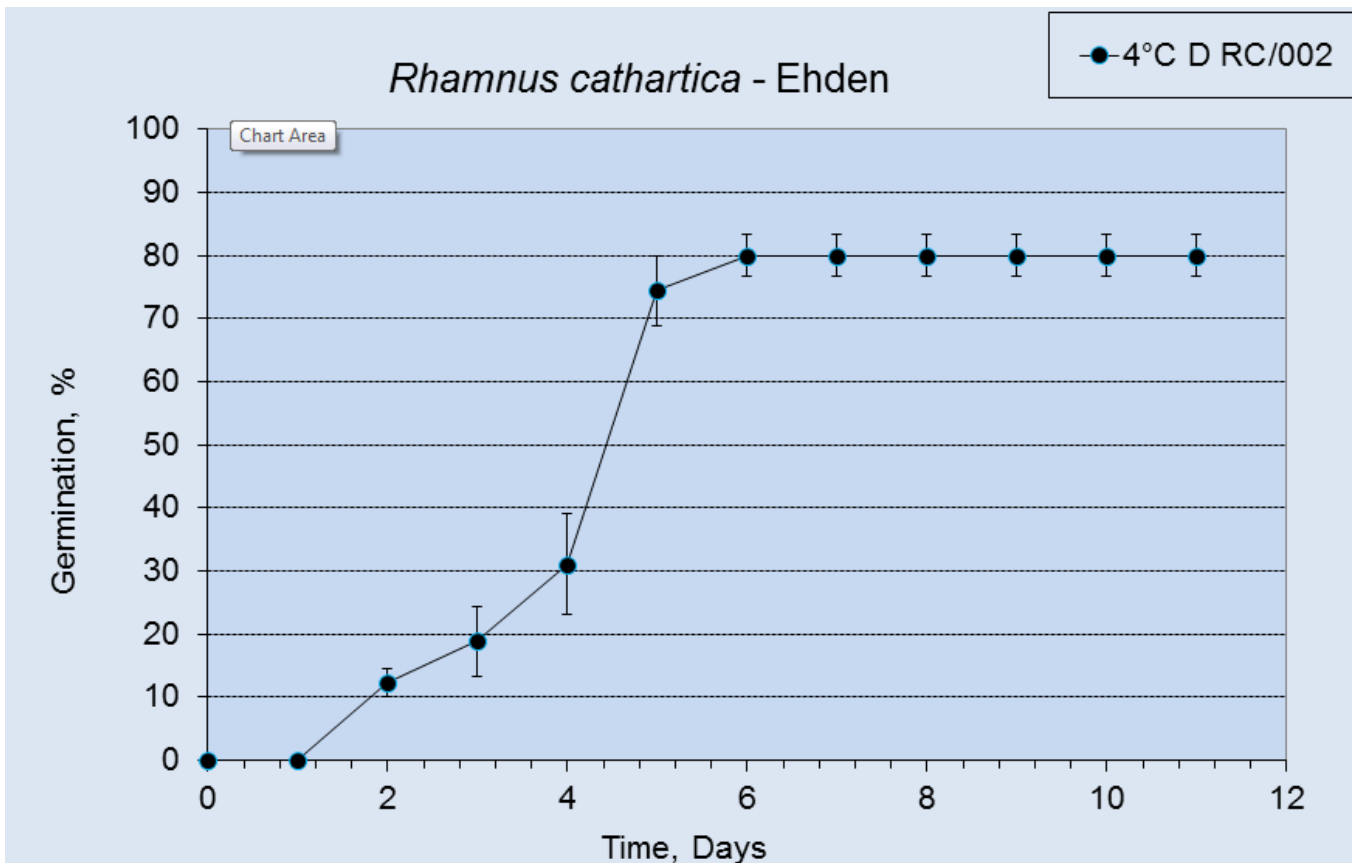
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Germination cinetic



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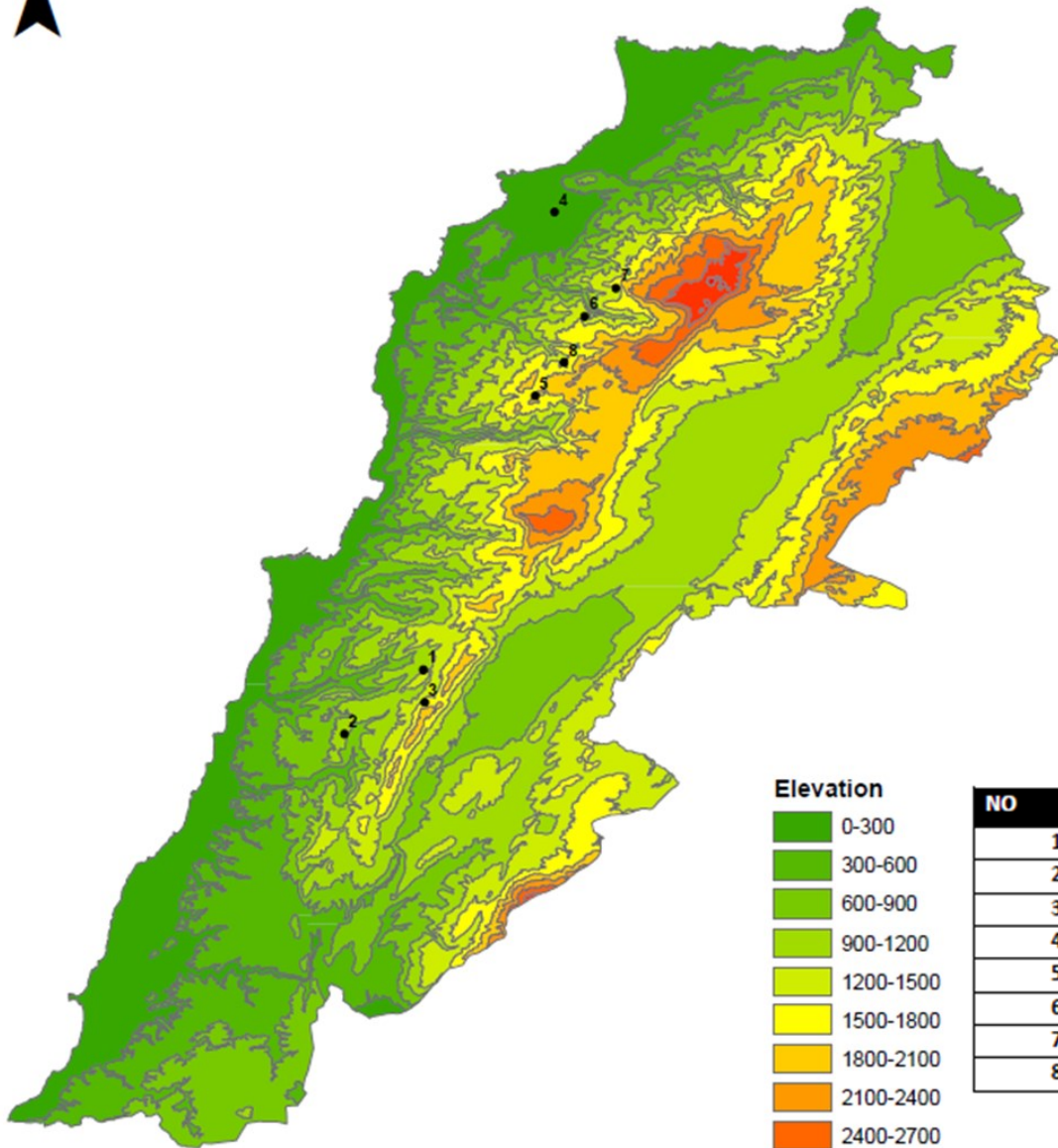
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Distribution of *Rhamnus cathartica*



0 25 50 Km

Elevation



NO	ID
1	Ain Zhalta
2	Chouf
3	Barouk
4	Bshennata
5	El Laqlouq
6	Hadet ej jobbé
7	Ehden
8	Tannoûrine