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| --- | --- | --- | --- | --- | --- |
| Population | Country | Location | Latitude | Longitude | Altitude (m.s.l.) |
|  |  |  |  |  |  |
| HER | Norway | Herdla | 60 34'29.784'' N | 4 56' 53.627'' E | 37 |
| BER | Norway | Bergen | 60 20' 7.35 N | 5 22' 17.79'' E | 97 |
| FLE | Norway | Flekkeroya | 58 4'5.34'' N | 7 59' 53.56'' E | 19 |
| SCO | UK | Dalreoch Farm | 56 44' 47.36'' N | 3 32' 25.03'' W | 252 |
| WAK | UK | Wakehurst Place | 51 04' 12.79'' N | 0 05' 28.28'' W | 114 |
| BAS | Spain | Ondarre | 43 01' 42.8'' N | 2 03' 55.7'' W | 809 |
| LEO | Spain | El Tendero | 42 54' 26,62'' N | 5 49' 25,87'' W | 1426 |
| CHO | Spain | Central del Chorro | 40 18' 26.17'' N | 5 40' 09.39'' W | 1398 |
| TRE | Spain | Tremedal | 40 22' 00.5'' N | 5 37' 57.20'' W | 1555 |

**Table 1:** Provenance of seeds used in the experiments

**Table 2:**Average initial E:E (±SD), average seed dry mass ((±SD ) and cardinal temperatures averaged between deciles (± SD) in seeds of all populations of *Conopodium majus* studied.. In order to have a symmetric result around the middle value, if the lower deciles were excluded because too close to the initial embryo size, the higher ones were excluded too.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Population | Initial E:E (±SD) | Seed dry weight (mg) (±SD) | Tb (°C) | To (°C) | Tc (°C) | Deciles used |
| HER | 0.12 (±0.03) | 1.94 (±0.58) | -4.01 ± 0.57 | 4.26 ± 0.80 | 12.90 ± 1.86 | 0.3 - 0.7 |
| BER | 0.10 (±0.03) | 1.80 (±0.55) | -6.65 ± 0.62 | 4.58 ± 0.02 | 12.08 ± 1.32 | 0.3 - 0.7 |
| FLE | 0.17 (±0.04) | 2.03 (±0.53) | -3.90 ± 0.14 | 4.50 ± 0.07 | 13.70 ± 0.71 | 0.3 - 0.7 |
| SCO | 0.13 (±0.02) | 1.63 (±0.54) | -2.63 ± 0.38 | 2.80 ± 0.25 | 14.42 ± 2.47 | 0.3 - 0.7 |
| WAK | 0.10 (±0.02) | 1.75 (±0.42) | -6.20 ± 0.89 | 4.59 ± 0.11 | 14.44 ± 1.72 | 0.3 - 0.7 |
| BAS | 0.15 (±0.02) | 1.43 (±0.59) | -2.75 ± 0.10 | 2.69 ± 0.10 | 13.07 ± 0.93 | 0.3 - 0.7 |
| LEO | 0.12 (±0.03) | 1.66 (±0.52) | -3.17 ± 0.06 | 2.54 ± 0.03 | 14.64 ± 2.23 | 0.4 - 0.6 |
| CHO | 0.19 (±0.03) | 1.24 (±0.38) | -4.09 ± 0.59 | 5.23 ± 1.05 | 20.48 ± 9.09 | 0.4 - 0.6 |
| TRE | 0.11 (±0.02) | 1.21 (±0.38) | -6.47 ± 0.41 | 4.86 ± 0.04 | 20.54 ± 7.25 | 0.4 - 0.6 |