

Varsamis G., Tsavdaridou D., Karapatzak E., Tseniklidou K., Merou T., 2024. Effect of polyethylene glycol, temperature, and stratification in thirty plant species: Implications for conservation and management

Table S1. Germination percentages between PEG untreated and PEG treated seeds under temperature and seed pretreatment

Species	no PEG/21oC (unstratified)	Species means PEG/21°C (unstratified)	no PEG/25-15°C (unstratified)	Species means PEG/25-15°C (unstratified)	no PEG/21°C (Cold stratified)	Species means PEG/21°C (Cold stratified)	no PEG/25- 15°C (Cold stratified)	Species means PEG/25- 15°C (Cold stratified)
<i>Achillea clypeolata</i>	21.00	11.00	10.00	8.00	18.00	8.67	11.00	8.00
<i>Achillea millefolium</i>	15.00	10.67	21.00	16.00	16.00	18.67	26.00	0.00
<i>Arabis turrita</i>	6.00	37.67	48.00	88.67	67.00	33.00	20.00	59.33
<i>Asphodeline lutea</i>	8.00	11.67	16.00	4.67	10.00	9.33	9.00	0.00
<i>Briza media</i>	8.00	12.33	6.00	21.67	9.00	8.33	14.00	13.00
<i>Campanula trachelium</i>	13.00	57.00	79.00	89.00	18.00	26.00	68.00	47.67
<i>Centaurea nervosa</i>	20.00	18.33	42.00	64.67	31.00	42.67	25.00	24.67
<i>Cistus creticus</i>	8.00	11.00	8.00	10.67	9.00	26.67	29.00	19.00
<i>Clematis flammula</i>	18.00	16.33	14.00	13.33	15.00	12.67	12.00	12.00
<i>Clematis vitalba</i>	16.00	14.33	19.00	20.67	21.00	20.00	18.00	17.67
<i>Dianthus cruentus</i>	55.00	33.00	59.00	68.33	35.00	62.67	52.00	67.67
<i>Digitalis viridiflora</i>	24.00	23.67	72.00	46.00	29.00	34.67	12.00	11.67
<i>Epilobium hirsutum</i>	4.00	8.67	9.00	0.00	12.00	42.67	36.00	23.00
<i>Eupatorium cannabinum</i>	16.00	28.33	9.00	44.50	22.00	32.00	29.00	18.67
<i>Humulus lupulus</i>	14.00	13.67	14.00	16.00	15.00	11.00	40.00	23.67
<i>Lagurus ovatus</i>	18.00	32.67	71.00	93.33	91.00	88.33	75.00	85.33
<i>Lillium martagon</i>	23.00	19.67	21.00	13.67	14.00	14.00	13.00	14.33
<i>Linaria pelisseriana</i>	13.00	14.00	11.00	13.33	13.00	14.00	10.00	10.67
<i>Lychnis coronaria</i>	71.00	40.00	83.00	88.33	14.00	30.00	60.00	43.00
<i>Lythrum salicaria</i>	12.00	67.00	19.00	73.00	14.00	80.67	52.00	48.67
<i>Physalis alkekengi</i>	8.00	8.33	9.00	7.33	9.00	6.00	9.00	7.00
<i>Potentilla detommasii</i>	20.00	9.33	20.00	39.33	14.00	52.00	12.00	10.33
<i>Saponaria officinalis</i>	14.00	10.67	9.00	9.00	12.00	11.33	13.00	12.33
<i>Silene frivaldszkyana</i>	36.00	22.00	31.00	88.33	17.00	36.33	61.00	71.00
<i>Silene viridiflora</i>	52.00	36.67	87.00	91.67	53.00	64.00	55.00	74.00
<i>Tanacetum corymbosum</i>	16.00	36.00	44.00	75.00	20.00	44.67	61.00	36.67
<i>Thymus thracicus</i>	15.00	22.67	27.00	52.67	11.00	39.67	13.00	13.67
<i>Trifolium pratense</i>	13.00	11.67	19.00	17.00	33.00	48.00	41.00	37.33
<i>Veratrum lobelianum</i>	13.00	14.00	14.00	13.33	14.00	16.33	17.00	17.00
<i>Verbascum humile</i>	68.00	46.67	33.00	66.00	38.00	53.00	86.00	23.67

Note: Species means refers to the average value of all three PEG6000 levels for each temperature and seed pretreatment combination in each of the studied species

Table S2. Habitats distribution and flowering period of the studied species in Greece.

Species	Common name	Habitat	Flowering period	Reference
<i>Achillea clypeolata</i> Sibth. & Sm.	Milfoil	Dry rocky grasslands on limestone at 500-1900m in C & N Greece	June-Early August	Lafranchis and Sfikas (2009)
<i>Achillea millefolium</i> L.	Common Yarrow	Grasslands and clearings at 500-200m in C & N Greece	July-September	Lafranchis and Sfikas (2009)
<i>Arabis turrata</i> L.	Tower rock cress	Open Woodlands and shady rocky places up to 1600m	Late march-Early June	Lafranchis and Sfikas (2009)
<i>Asphodeline lutea</i> L.	Yellow asphodel	Dry grasslands up to 1800m in most of Greece	Late February-June	Lafranchis and Sfikas (2009)
<i>Briza media</i> L.	Common quaking grass	Freshwater habitats, Temperate and submediterranean Grasslands, Woodlands and scrub	May - July (Personal observation)	Dimopoulos et al. (2013)
<i>Campanula trachelium</i> (Boiss. & Heldr.) Hayek.	Nettle-leaved Bellflower	Limestone rocks at 200-2200m in NC & NE Greece, Crete Scattered in meadows	Mid-June to Early October	Lafranchis and Sfikas (2009)
<i>Centaurea nervosa</i> Willd.	Plume Knapweed	pastures and rocky places at 1400-2200m in C & N Greece	July-August	Lafranchis and Sfikas (2009)
<i>Cistus creticus</i> L.	Pink rock-rose	Scrub places up to 1400m	Mid-March to Early July	Lafranchis and Sfikas (2009)
<i>Clematis flammula</i> L.	Fragrant clematis	Scrub, hedges, woodland margins below 700m	May-June	Lafranchis and Sfikas (2009)
<i>Clematis vitalba</i> L.	Traveller's Joy	Scrub, hedges, woodland margins up to 1500m	May-July	Lafranchis and Sfikas (2009)
<i>Dianthus cruentus</i> Griseb.	Blood carnation	Dry grasslands and clearings at 200-2100m	June-August	Lafranchis and Sfikas (2009)
<i>Digitalis viridiflora</i> Lindl.	Large yellow foxglove	Widespread along woodlands margins at 700-1950m in N Greece	May-August	Lafranchis and Sfikas (2009)
<i>Epilobium hirsutum</i> L.	Great willow herb	Damp places up to 1800m	Mid-June to September	Lafranchis and Sfikas (2009)
<i>Eupatorium cannabinum</i> L.	Hemp agrimony	Stream banks and woodland margins at 300-1400m in C & N Greece	July to mid-September	Lafranchis and Sfikas (2009)
<i>Humulus lupulus</i> L.	Common hop	Damp scrub and river margins up to 1100 Dry places		Lafranchis and Sfikas (2009)
<i>Lagurus ovatus</i> L.	Bunny tail grass	Xeric Mediterranean Phrygana and grasslands. Agricultural and Ruderal habitats frequently disturbed and pioneer habitats	April-July	Lafranchis and Sfikas (2009)
<i>Lilium martagon</i> L.	Martagon lily	Woodland margins and clearings at 650-1900m in C Greece, S & N Pindos	June-July	Lafranchis and Sfikas (2009)
<i>Linaria pelisseriana</i> (L.) Mill.	Jersey toadflax	Dry grasslands and open scrub up to 1200m in mainland Greece, Evia, Limnos & Crete	April-June	Lafranchis and Sfikas (2009)
<i>Lychnis coronaria</i> (L.) Desr.	Rose campion	Temperate and submediterranean Grasslands, (lowland to montane dry and mesic meadows and pastures, rock outcrops and stony ground, grassy non-ruderal verges and forest edges, Woodlands and scrub	May to August (Personal observation)	Dimopoulos et al. (2013)

<i>Lythrum salicaria</i> L.	Purple loosestrife	River banks and ditches up to 1100m	June-September	Lafranchis and Sfikas (2009)
<i>Physalis alkekengi</i> L.	Bladder cherry	Scattered in hedges by rivers and lakes in mainland Greece	May-July (Fruiting: August-September)	Lafranchis and Sfikas (2009)
<i>Potentilla detommasii</i> Ten.	Wild cinquefoil	Grasslands at 100-1900m	May-july	Lafranchis and Sfikas (2009)
<i>Saponaria officinalis</i> L.	Soapwort	Grassy and partially damp places up to 1800m	June-August	Lafranchis and Sfikas (2009)
<i>Silene frivaldszkyana</i> Hampe	No common name	Dry open places below 1800m	June-August	Lafranchis and Sfikas (2009)
<i>Silene viridiflora</i> L.	Bold green flower	Woodlands in C & N Greece, N. Evia, Samorthrace & Mount Parnon at 300-1800m	June-August	Lafranchis and Sfikas (2009)
<i>Tanacetum corymbosum</i> (L.) Sch. Bip.	Corymbflower tansy	Woodland margins in mainland Greece up to 1500m	July-August	Lafranchis and Sfikas (2009)
<i>Thymus thracicus</i> Velen.	Thyme	Dry grasslands on limestone or serpentine at 1600-2600m	July-August	Lafranchis and Sfikas (2009)
<i>Trifolium pratense</i> L.	Red clover	Meadows and grassy places up to 2100	May-August	Lafranchis and Sfikas (2009)
<i>Veratrum lobelianum</i> Bernh.	European white hellebore	High-mountain vegetation (subalpine and alpine grasslands, screes and rocks, scrub above the treeline)	June to August (Personal observation)	Dimopoulos et al. (2013)
<i>Verbascum humile</i> Janka	Mullein	Grasslands and clearing at 800-1900m in NE Greece (Mts Orvilos & Rhodope)	June-August	Lafranchis and Sfikas (2009)

