

Supplementary Material

Influence of parental nitrogen : phosphorus stoichiometry on seed characteristics and performance of *Holcus lanatus* L. and *Parnassia palustris* L.

Plant Ecology

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Table S1 Species composition of the 2 plots at location MD1 and location MD2. Numbers given in the table are coverages (%) of each species in a 2 m × 2 m plot

	Plot at location MD1	Plot at location MD2
<i>Lysimachia vulgaris</i>	9	0.25
<i>Agrostis stolonifera</i>	2	0.75
<i>Lythrum salicaria</i>	2	1.5
<i>Lotus uliginosus</i>		1
<i>Pedicularis palustris</i>		3
<i>Holcus lanatus</i>	1	0.25
<i>Salix repens</i>		10
<i>Trifolium repens</i>	16	0.5
<i>Plantago lanceolata</i>	0.1	0.25
<i>Betula pubescens</i>		0.25
<i>Cerastium fontanum</i>	0.05	
<i>Rhinanthus angustifolius</i>	0.5	0.5
<i>Parnassia palustris</i>	0.05	1.5
<i>Ajuga reptans</i>		0.1
<i>Trifolium pratense</i>	11	0.5
<i>Euphrasia stricta</i>	0.05	0.5
<i>Juncus subnodulosus</i>	3	1
<i>Phragmites australis</i>	6	0.1
<i>Hypericum tetrapterum</i>		1
<i>Festuca rubra</i>	6	0.25
<i>Mentha aquatica</i>		0.25
<i>Leontodon saxatilis</i>		0.05
<i>Equisetum arvense</i>		0.01
<i>Salix cinerea</i>	1.5	0.5
<i>Poa trivialis</i>	0.5	0.25
<i>Dactylorhiza majalis</i> subsp.		0.05
<i>Holcus mollis</i>	5	
<i>Carex flacca</i>	1	0.25
<i>Rhinanthus angustifolius</i>	0.1	
<i>Arrhenathia elatius</i>	0.05	
<i>Alchemilla mollis</i>		0.75

Table S2 Elements other than nitrogen (N) and phosphorus (P) supplied to each plant during cultivation

Other elements for all treatments	Resources	Amount of element supplied (mg/plant)
K	KNO ₃ & KCl	400
Ca	CaCl ₂ . 2H ₂ O	51.6
Mg	MgSO ₄ . 7H ₂ O	11.7
S	MgSO ₄ . 7H ₂ O	17.8
Fe	Fe-EDTA	4.1
Cu	CuSO ₄ .5H ₂ O	0.02
B	H ₃ BO ₃	0.39
Mn	MnSO ₄ .H ₂ O	0.21
Mo	Na ₂ MoO ₄ .H ₂ O	0.04
Zn	ZnSO ₄ .7H ₂ O	0.10

Cl was the only element not supplied in the same amounts to all treatments; the amount supplied varied between 113.1 mg/plant and 346.5 mg/plant

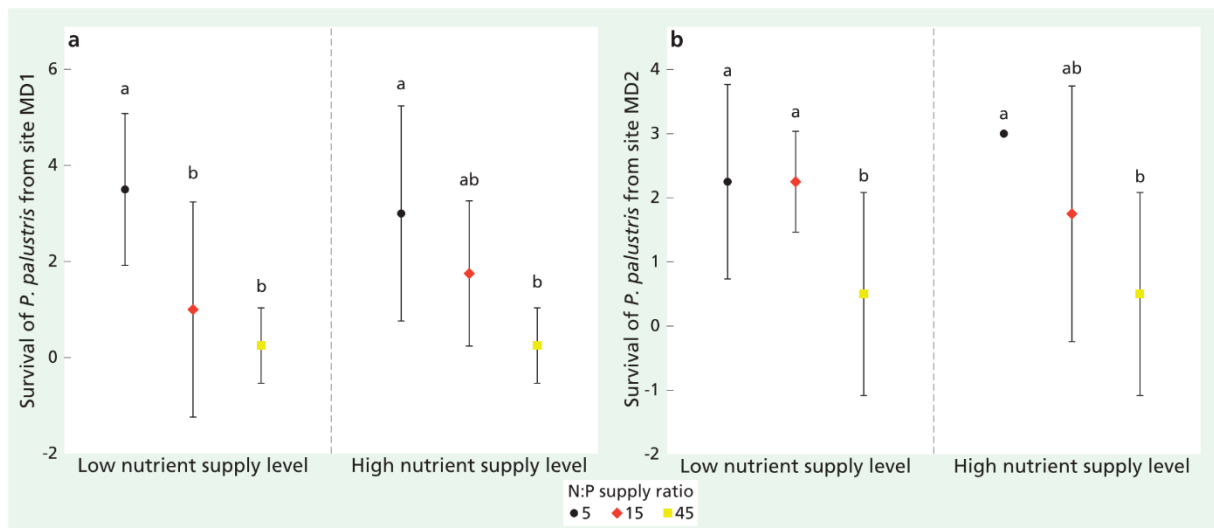


Fig. S1 Offspring plant survival (%) of *P. palustris* under different nutrient treatments from location MD1 (a) and location MD2 (b). Values followed by the same character are not significantly different ($P = 0.05$)