

Supplementary material



Supplementary figure 1: Experimental layout in a greenhouse

Supplementary Table 1: Grass emergence out of a 100 seeds

Source of variation	d.f.	s.s.	m.s.	v.r.	F Pr.
Block stratum	2	20.22	10.11	0.95	
Block. Units. stratum					
Species	2	2411.56	1205.78	113.63	<.001
Treatment	2	2738.67	1369.33	129.05	<.001
Species. Treatment	4	692.44	173.11	16.31	<.001
Residual	16	169.78	10.61		

Supplementary Table 2: Survival rate over six weeks of *Cenchrus ciliaris* (S1)

Fixed term	Wald statistic	n.d.f.	F statistic	d.d.f.	F Pr
Week	57.55	4	14.39	24.0	<0.001
Treatment	13.59	2	6.79	6.0	0.019
Week. Treatment	5.51	8	0.69	24.0	0.027

Supplementary Table 3: Survival rate over six weeks of *Chloris gayana* (S2)

Fixed term	Wald statistic	n.d.f.	F statistic	d.d.f.	F Pr
Week	115.56	4	28.89	24.0	<0.001
Treatment	25.35	2	12.67	6.0	0.007
Week. Treatment	25.14	8	3.14	24.0	0.014

Supplementary Table 4: Survival rate over six weeks of *Panicum maximum* (S3)

Fixed term	Wald statistic	n.d.f.	F statistic	d.d.f.	F Pr
Week	28.56	4	7.14	24.0	<0.001
Treatment	1.68	2	0.84	6.0	0.076
Week. Treatment	16.22	8	2.03	24.0	0.016