

Table S1. Parameter estimates of the generalized linear mixed model (GLMM, Model 1, Eq. 1) on seeds removed among species

Fixed effects	Estimate	Std. Error	
(Intercept)	-0.3202	0.4686	
Spp <i>M. boaria</i>	0.5539	0.19	
Spp <i>Q. saponaria</i>	1.2459	0.1974	
Spp <i>R. ephedra</i>	0.6983	0.1909	
Random effects	N	Variance	Std. Dev.
Plot (Intercept)	7	0.7373	0.8587
Date (Intercept)	5	0.4806	0.6933
Observations (N)	1120		

Table S2. Parameter estimates of the generalized linear mixed model (GLMM, Model 2, Eq. 2) modeling factors on seeds removed per each specie. LL=leaf litter cover; D= seed density; TC=tree cover.

Spp	<i>Lithraea caustica</i>		<i>Maytenus boaria</i>		<i>Quillaja saponaria</i>		<i>Retanilla ephedra</i>	
Fixed effects	Estimate	Std. Error	Estimate	Std. Error	Estimate	Std. Error	Estimate	Std. Error
(Intercept)	-1.7306	0.9548	2.093	1.2385	3.4223	1.3299	5.8317	2.0004
LL	1.5759	1.1809	-3.3595	1.4374	-4.1466	1.4842	-7.0957	2.7138
D	0.8223	1.2156	1.3573	1.4822	0.757	1.5819	0.5488	2.5134
TC	2.2742	1.1921	0.5083	1.4482	0.6794	1.5518	-2.7025	2.7008
LL : TC	-2.2299	1.6574	-0.1898	1.9886	-0.9215	2.0313	-1.8097	3.7454
LL : D	-0.8082	1.6695	-1.7503	2.0331	0.106	2.0518	0.5371	3.7341
D : TC	-2.4263	1.703	-3.3701	2.0972	-2.7349	2.1901	0.7441	3.8274
LL: D : TC	2.3134	2.3575	4.0345	2.8656	2.6725	2.8728	5.3827	5.431
Random effects	Variance	Std. Dev.	Variance	Std. Dev.	Variance	Std. Dev.	Variance	Std. Dev.
Plot (Intercept)	3.144	1.7731	4.59	2.142	4.208	2.051	19.3684	4.4009
Date (Intercept)	0.7702	0.8776	2.479	1.574	2.401	1.549	0.3622	0.618
Observations (N)	280		280		280		280	