

Table S11. Analysis of Variance table of type 3 with Satterthwaite approximation for degrees of freedom of the linear mixed effects models for the leaf area index (LAI_s); species richness and Shannon's diversity index (H') of the understory community as a function of exploratory, management intensity and treatment (precipitation reduction) and the interaction of management intensity and treatment for spring 2012.

spring 2012	LAI _s				species richness				H'	
Fixed factors	Num df	den DF ^b	F-value or z - score	p ^a	den DF ^b	F-value or z - score	p ^a	den DF ^b	F-value or z - score	p ^a
exploratory	2	2	3.428	0.226	2	7.448	0.118	2	0.5	0.669
management	2	2	0.43	0.699	2	11.554	0.08	2	1.793	0.358
treatment	1	25	2.490	0.127	25	4.460	0.07	25	6.462	0.03
management * treatment	2	25	0.195	0.824	25	1.196	0.319	25	3.656	0.08
cm_r - cm_c^{c,d}									0.656	1.000
bm_c - cm_c									-1.47	1.000
bm_r - cm_c									-0.34	1.000
bu_c - cm_c									-1.71	1.000
bu_r - cm_c									-1.68	1.000
bm_c - cm_r									-1.63	1.000
bm_r - cm_r									-0.51	1.000
bu_c - cm_r									-1.88	0.895
bu_r - cm_r									-1.85	0.953
bm_r - bm_c									3.529	0.006
bu_c - bm_c									-0.21	1.000
bu_r - bm_c									-0.18	1.000
bu_c - bm_r									-1.15	1.000
bu_r - bm_r									-1.13	1.000
bu_r - bu_c									0.086	1.000

^a Significant probabilities (< 0.05) are shown in bold.

^b denDF is the number of degrees of freedom associated with the model errors.

^c Since tested parameters were affected by an interaction of management and treatment, post-hoc tests were applied for treatment within management and not for management and treatment alone.

^d cm = intensive conifer managed, bm = beech managed, bu = beech unmanaged, r = precipitation reduction subplot, c = control subplot