

Table S5. Analysis of Variance table of type 3 with Satterthwaite approximation for degrees of freedom of the linear mixed effects models for the coverage leaf area index of the different **functional groups** (LAI_{fg}) as a function of exploratory, management intensity, treatment (precipitation reduction), group and the interaction of group and treatment.

LAI_{fg}	spring 2012				late summer 2012			early summer 2013			late summer 2013		
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	denDF ^b	F-value or z - score	p ^a
exploratory	2	3	1.208	0.412	4	0.335	0.733	3	11.21	0.732	3	0.723	0.554
management	2	3	0.950	0.479	4	0.868	0.489	3	2.251	0.444	3	1.680	0.317
treatment	1	167	0.033	0.855	216	0.339	0.562	191	8.076	0.642	188	3.568	0.061
group	4	168	44.6	<.001	187	7.833	<.001	191	3.132	0.001	190	14.29	<.001
group * treatment	4	167	0.956	0.433	216	0.455	0.769	191	1.087	0.804	188	6.157	<.001
fern_c-fern_r ^{d,e}												0.549	1.000
grass_c-grass_r												-1.65	1.000
herb_c-herb_r												0.265	1.000
shrub_c-shrub_r												-4.80	<.001
tree_c-tree_r												0.998	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 group and treatment, post-hoc tests were applied for treatment within group and not for group and treatment alone.

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