

Table S12. 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 (LAIs); 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 late summer 2012.

Late Summer 2012			LAIs		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	3	4.184	0.136	3	12.161	0.036	56	18.79	<.001
Hainich - Alb ^c						3.209	0.004		4.283	<.001
Schorfheide – Alb						4.756	<.001		5.794	<.001
Schorfheide - Hainich						-2.019	0.131		-2.14	0.097
management	2	3	3.24	0.178	3	9.274	0.052	56	13.51	<.001
managed - intensive ^c									1.608	0.323
unmanaged - intensive									-1.28	0.599
unmanaged - managed									-2.69	0.022
treatment	1	29	18.305	<.001	53	0.828	0.367	56	0.159	0.692
management * treatment	2	29	4.527	0.019	53	1.855	0.166	56	1.342	0.27

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

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

^c Results of multiple comparisons of means (Tukey Contrasts) were calculated for each parameter per factor of the linear mixed effects models. P values were adjusted by the bonferroni method.