

Table A5. Statistical Post Hoc Tukey p values for the measured foliar, lower (Lc) and upper (Uc) canopy parameters. The p values represent the results of comparisons made between the Driekop grassland and adjacent *P. patula* plantations and within the different age-classes of *P. patula* plantations. The p values shown were for comparisons made within seasons. Yellow highlighting indicates significance at the five percent level and red highlighting indicates significance at the one percent level.

		Driekop vs 2 yr old <i>P. patula</i>		Driekop vs 13 yr old <i>P. patula</i>		Driekop vs 30 yr old <i>P. patula</i>		2 yr old <i>P. patula</i> vs 13 yr old <i>P. patula</i>		2 yr old <i>P. patula</i> vs 30 yr old <i>P. patula</i>		13 yr old <i>P. patula</i> vs 30 yr old <i>P. patula</i>	
		Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer
BASIC CATIONS													
Na ⁺	Lc	1.000	0.997	0.972	0.979	1.000	0.854	0.862	1.000	0.997	0.544	0.993	0.415
Na ⁺	Uc	1.000	0.994	1.000	1.000	1.000	0.257	1.000	0.999	1.000	0.105	1.000	0.213
Mg ²⁺	Lc	0.532	0.962	0.025	1.000	0.059	0.970	0.306	0.978	0.619	1.000	0.995	0.984
Mg ²⁺	Uc	0.916	0.966	0.008	0.987	0.079	0.895	0.033	1.000	0.345	1.000	0.593	1.000
K ⁺	Lc	1.000	0.540	0.995	0.523	0.934	0.749	1.000	1.000	0.987	1.000	1.000	1.000
K ⁺	Uc	0.999	0.698	0.959	0.426	0.970	0.402	0.999	0.999	1.000	0.998	1.000	1.000
Ca ²⁺	Lc	1.000	0.959	0.383	1.000	0.054	0.929	0.426	0.861	0.061	1.000	0.753	0.807
Ca ²⁺	Uc	0.666	0.639	0.943	0.958	0.780	0.974	0.209	0.990	0.121	0.981	1.000	1.000
ACIDIC CATIONS													
Mn ²⁺	Lc	0.668	0.995	0.024	0.619	0.306	0.988	0.218	0.927	0.990	1.000	0.521	0.956
Mn ²⁺	Uc	1.000	1.000	0.066	0.753	0.452	1.000	0.095	0.912	0.596	1.000	0.754	0.933
Fe ³⁺	Lc	0.000	0.011	0.000	0.017	0.000	0.006	0.976	1.000	0.956	0.998	1.000	0.975
Fe ³⁺	Uc	0.000	0.001	0.000	0.001	0.000	0.001	0.410	1.000	0.520	1.000	1.000	1.000
Al ³⁺	Lc	0.330	0.186	0.270	0.740	0.203	0.995	1.000	0.867	1.000	0.417	1.000	0.976
Al ³⁺	Uc	0.979	0.579	0.371	0.862	0.246	0.683	0.809	0.998	0.630	1.000	1.000	1.000
TOTAL N, P, C													
N	Lc	0.000	0.214	0.000	0.441	0.000	0.061	0.186	0.997	0.972	0.963	0.538	0.731
N	Uc	0.000	0.000	0.000	0.104	0.000	0.026	0.166	0.003	0.004	0.008	0.134	0.938
P	Lc	0.124	0.892	0.347	0.997	0.083	0.999	0.985	0.997	1.000	0.993	0.926	1.000
P	Uc	0.008	0.041	0.026	0.967	0.019	0.863	0.967	0.140	0.993	0.220	1.000	1.000
C	Lc	0.987	0.846	1.000	0.999	0.826	1.000	1.000	0.986	0.998	0.756	0.958	0.992
C	Uc	0.609	1.000	0.948	0.988	0.913	1.000	0.989	0.999	0.996	1.000	1.000	1.000
C:N	Lc	0.001	0.504	0.002	0.600	0.001	0.195	1.000	1.000	1.000	0.985	1.000	0.958
C:N	Uc	0.001	0.048	0.001	0.397	0.001	0.230	1.000	0.684	0.999	0.897	1.000	1.000
P:N	Lc	0.995	0.946	0.995	0.834	1.000	0.419	1.000	1.000	1.000	0.923	1.000	0.985
P:N	Uc	1.000	0.381	0.996	0.507	0.969	0.415	0.954	1.000	0.857	1.000	1.000	1.000
K:N	Lc	0.998	0.260	1.000	0.274	1.000	0.335	1.000	1.000	1.000	1.000	1.000	1.000
K:N	Uc	0.999	0.215	1.000	0.223	1.000	0.191	1.000	1.000	1.000	1.000	1.000	1.000
PROTEIN		0.000	na	0.000	na	0.000	na	0.707	na	0.145	na	0.556	na