

Table A6. 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 Brooklands grassland and adjacent *E. grandis* plantations and within the different age-classes of *E. grandis* 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.

		Brooklands vs 2 yr old <i>E. grandis</i>		Brooklands vs 8 yr old <i>E. grandis</i>		Brooklands vs 13 yr old <i>E. grandis</i>		2 yr old <i>E. grandis</i> vs 8 yr old <i>E. grandis</i>		2 yr old <i>E. grandis</i> vs 13 yr old <i>E. grandis</i>		8 yr old <i>E. grandis</i> vs 13 yr old <i>E. grandis</i>	
		Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer
BASIC CATIONS													
Na ⁺	Lc	0.999	1.000	0.001	0.150	0.001	0.625	0.001	0.188	0.002	0.721	0.997	0.885
Na ⁺	Uc	1.000	0.936	0.012	0.475	0.021	0.925	0.013	0.961	0.024	1.000	0.999	0.969
Mg ²⁺	Lc	0.961	1.000	0.004	1.000	0.181	1.000	0.013	1.000	0.560	1.000	0.148	1.000
Mg ²⁺	Uc	0.008	1.000	0.123	0.995	0.002	0.999	0.394	1.000	0.938	1.000	0.102	1.000
K ⁺	Lc	0.014	1.000	0.012	1.000	0.049	0.802	1.000	1.000	0.959	0.806	0.917	0.577
K ⁺	Uc	0.000	0.861	0.014	0.946	0.206	0.784	0.039	0.344	0.003	0.204	0.447	1.000
Ca ²⁺	Lc	0.002	0.072	0.010	0.812	0.038	0.511	0.845	0.425	0.323	0.725	0.942	0.998
Ca ²⁺	Uc	0.000	0.377	0.002	0.722	0.001	0.228	0.055	0.995	0.128	1.000	0.996	0.933
ACIDIC CATIONS													
Mn ²⁺	Lc	0.482	0.949	0.089	0.953	0.213	0.913	0.833	1.000	0.994	1.000	0.995	1.000
Mn ²⁺	Uc	0.000	0.292	0.001	0.113	0.086	0.009	0.922	0.991	0.006	0.215	0.022	0.509
Fe ³⁺	Lc	0.949	0.996	0.350	0.999	0.154	0.997	0.862	1.000	0.526	1.000	0.996	1.000
Fe ³⁺	Uc	0.061	0.924	0.098	0.967	0.080	0.974	1.000	1.000	1.000	1.000	1.000	1.000
Al ³⁺	Lc	0.678	1.000	1.000	0.957	0.932	1.000	0.650	0.964	0.998	1.000	0.917	0.988
Al ³⁺	Uc	0.249	0.867	1.000	1.000	0.453	1.000	0.344	0.947	0.999	0.850	0.591	1.000
TOTAL N, P, C													
N	Lc	0.001	0.710	0.000	0.041	0.000	0.251	0.010	0.331	0.069	0.958	0.740	0.823
N	Uc	0.000	0.972	0.000	0.518	0.000	0.718	0.733	0.943	0.072	0.994	0.504	1.000
P	Lc	0.114	0.996	0.003	0.867	0.002	0.654	0.151	0.539	0.086	0.338	1.000	1.000
P	Uc	0.010	0.639	0.022	0.957	0.111	0.999	0.997	0.212	0.571	0.387	0.883	0.999
C	Lc	0.051	0.239	0.001	0.200	0.005	0.579	0.109	1.000	0.578	0.987	0.819	0.969
C	Uc	0.013	0.182	0.015	0.942	0.034	0.727	1.000	0.607	0.988	0.869	0.997	0.999
C:N	Lc	0.001	0.539	0.001	0.144	0.001	0.326	0.919	0.929	0.979	0.999	1.000	0.996
C:N	Uc	0.001	0.636	0.001	0.500	0.001	0.546	1.000	1.000	1.000	1.000	1.000	1.000
P:N	Lc	0.000	0.013	0.000	0.009	0.000	0.000	0.002	0.036	0.009	0.000	0.041	0.006
P:N	Uc	1.000	0.985	0.999	0.234	0.895	0.502	0.998	0.081	0.860	0.193	0.992	0.995
K:N	Lc	0.648	0.889	1.000	0.349	1.000	0.051	0.759	0.931	0.611	0.255	1.000	0.774
K:N	Uc	0.099	0.962	0.999	0.163	0.973	0.103	0.181	0.046	0.030	0.029	0.832	1.000
PROTEIN		0.000	na	0.000	na	0.000	na	0.834	na	0.202	na	0.554	na