

Online Material

APPENDIX

Table I. Soil data in relation to canopy and orientation. Below canopy are means of 0.375R and 0.75R. Beyond canopy vertical influence are calculated as average between 2.0R and 2.5R.

		Below canopy		Beyond canopy		Total mean		
		NE	SW	NE	SW			
pH	Mean	5.674	5.798	4.978	5.014	5.325	Max	6.630
	SD	0.420	0.483	0.312	0.269	0.499	Min	4.490
OM (%)	Mean	1.467	1.631	0.744	0.941	1.165	Max	2.290
	SD	0.333	0.394	0.231	0.205	0.421	Min	0.350
N (%)	Mean	0.072	0.078	0.036	0.048	0.056	Max	0.130
	SD	0.025	0.040	0.012	0.018	0.029	Min	0.010
C:N	Mean	15.173	16.038	16.986	16.932	16.508	Max	47.270
	SD	2.463	10.416	5.748	10.216	7.635	Min	8.310
P (ppm)	Mean	26.792	31.100	28.025	21.275	26.917	Max	64.800
	SD	17.040	15.595	15.293	12.601	15.056	Min	0.000
K (ppm)	Mean	102.478	150.588	57.003	60.700	89.600	Max	237.780
	SD	34.784	40.323	10.205	10.707	42.300	Min	41.450
Ca (meq/100 g)	Mean	2.572	3.251	0.804	1.348	1.859	Max	5.590
	SD	1.018	1.391	0.247	0.402	1.141	Min	0.460
Mg (meq/100 g)	Mean	0.348	0.478	0.135	0.203	0.274	Max	0.720
	SD	0.116	0.142	0.042	0.073	0.146	Min	0.080
CEC (meq/100 g)	Mean	8.685	9.663	6.703	6.849	7.678	Max	13.910
	SD	2.323	2.937	1.893	2.630	2.616	Min	2.340
Sand (%)	Mean	85.020	84.412	86.192	82.496	84.386	Max	91.833
	SD	3.841	2.878	3.329	5.491	4.181	Min	70.085
Silt (%)	Mean	12.564	14.619	12.667	16.063	14.340	Max	27.493
	SD	3.641	2.910	3.182	5.054	3.928	Min	7.214
Clay (%)	Mean	1.224	1.362	1.141	1.440	1.274	Max	2.422
	SD	0.267	0.256	0.195	0.449	0.323	Min	0.785
Density (g/cm ³)	Mean	1.396	1.378	1.664	1.559	1.501	Max	1.883
	SD	0.138	0.154	0.157	0.137	0.173	Min	1.082