







**Table 1.** Properties of soils

---

Standard

**Table 3.** Pearson correlation coefficients for pairs of soil and foliar variables

Variable 1	Variable 2	$r^a$	$n$
P in soil	P in sal foliage	0.39	43
P in soil	P in pine foliage	0.32	33
Mg in soil	Mg in pine foliage	0.46	33
K in soil	K in pine foliage	0.35	33

<sup>a</sup> $r$  values significant at  $P < 0.05$ .

**Table 4.** Mean values of soil parameters for aspect/elevation classes<sup>a</sup>

	S	S	N	N
	< 1200 m	> 1200 m	< 1200 m	> 1200 m
	$n = 33$	$n = 11$	$n = 25$	$n = 47$
CEC (mmol kg <sup>-1</sup> )	125.0a	138.0ab	130.3a	161.7b
Mg (mmol kg <sup>-1</sup> )	8.6a	6.2ab	6.4ab	5.3b
Base saturation (%)	24.6a	18.9a	21.7a	18.5a
N (g kg <sup>-1</sup> )	0.5a	0.7ab	0.9b	1.2c

<sup>a</sup>Significant differences ( $P < 0.05$ ) between aspect/elevation classes are indicated by different letters following the mean values.

**Table 5.** Mean values of soil, foliar, topographic and site parameters for two soil types<sup>a</sup>

Parameters	Non-red soil <i>n</i> = 122	Red soil <i>n</i> = 14
------------	--------------------------------	---------------------------

**Table 6.** Mean values of soil, topographic and site parameters for three forest types<sup>a</sup>

Parameter	Sal <i>n</i> = 36	Hardwood <i>n</i> = 71	Pine <i>n</i> = 15
-----------	----------------------	---------------------------	-----------------------





