

Table R1. The number of trees identified to each taxonomic level of resolution (species, morphospecies, genus, and family) for datasets examined in this paper.

Taxonomic Resolution of Tree ID	Felling	Drilling	Coring
Species	965	1397	352
Morpho-species	22	24	4
Genus	12	215	5
Family	35	142	0
Undetermined	1	2	0
Total	1035	1780	361

Table R2. Comparison of soil geology, taxonomy, and chemistry between Lambir (Baillie et al. 2006) and Central Sarawak (Baillie et al. 1987).

		Lambir		Central Sarawak	
<i>Parent material</i>	Age	Neogene Tertiary		Paleogene Tertiary	
	Lithology	Sandstone	Shale	Sandstone	Shale
<i>Taxonomy</i>	World Reference Base	Haplic Acrisol (Arenosol)	Haplic Acrisol (Alisol)	Haplic Acrisol (Arenosol)	Haplic Acrisol (Alisol)
	Soil Taxonomy	Typic Palaeudult	Typic Hapludult	Typic Palaeudult	Typic Hapludult
	Sarawak soil family	Nyalau	Merit	Nyalau	Merit
<i>Topsoil</i>	Organic C %	2	1.2	2.1	2.1
	C:N	14	10	11	9
	Total P ppm	91	128	120	269
<i>Subsoil</i>	Texture	Sandy clay loam	Clay	Sandy clay loam	Clay
	pH	4.7	4.7	4.5	4.6
	Total P ppm	78	123	178	233
	Total K ppm	2498	4630	3878	5778
	Total Mg ppm	796	1667	1232	2563
	Total Ca ppm	128	127	176	281

Figure R1. Mean soil PC axis values (\pm one standard error) for trees at the central Sarawak site group by species habitat association.

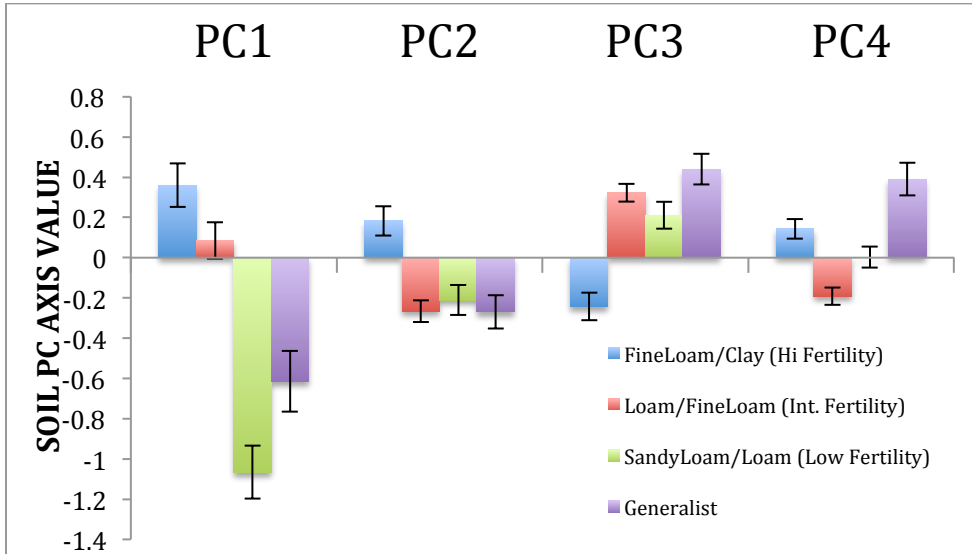
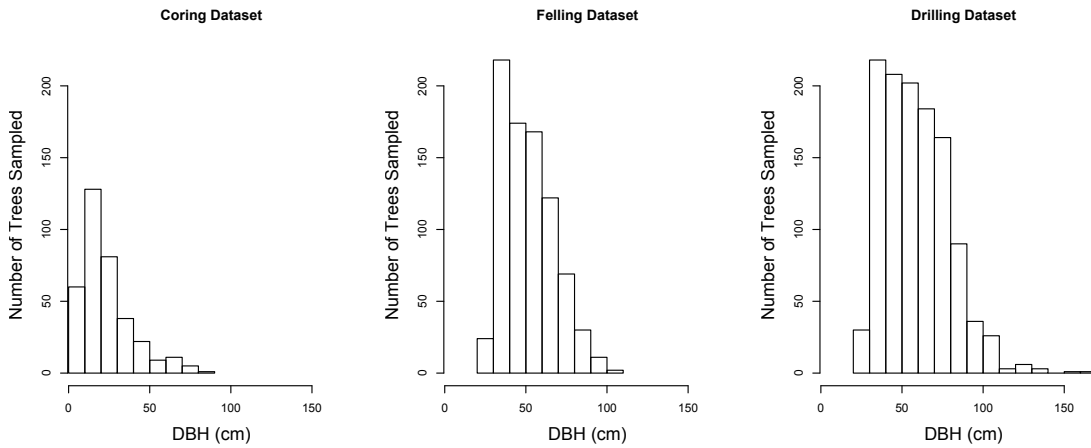


Figure R2. Size distributions of trees sampled in the drilling, felling, and coring datasets.



Revised Table 1 from Original MS. Total number of trees evaluated for the presence of stem rot, and the ranges and sample sizes for predictor variables used in mixed-effect models predicting the frequency and severity of stem rot in the felling, drilling, and coring datasets. Generalized linear mixed effect models were used to determine if the species and plot covariates listed here were associated with the frequency and severity of stem rot. We list the number of trees and species included in these models for each dataset after observations that could not be imputed were deleted due to missingness. Samples sizes for mixed-effect models listed here reflect the data used in the revised analysis (see comment #31).

	Felling			Drilling			Coring		
	Species	Trees	Range	Species	Trees	Range	Species	Trees	Range
Total Number Sampled	240	1035		242	1780		114	361	
Incidence of Stem rot		53%			41%			9%	
<i>Availability of Model Covariates</i>									
DBH (cm)		1035	27.1 – 105.8		1780	26.2 – 161.5			6.0 – 89.0
Species Covariates									
Wood density (g cm ⁻³)	134	834	0.42 – 1.14	136	1203	0.42 – 1.14	114 (2)	361	0.20 – 1.02
Species soil association	177	930		167	1330		112	355	
Loam/sandy loam	53	164		48	195		43	131	
Fine loam/loam	43	318		40	545		16	52	
Clay/fine loam	53	283		55	419		29	103	
Generalist	28	165		24	171		24	69	
Edaphic Environment Covariates									
Soil type									
Sandy loam	-	-		-	-		63	200	
Clay/fine loam	-	-		-	-		64	161	
Soil Chemistry (PC Axes)	206	970		167	1058		-	-	
Total Included in Mixed Effect Models	122	765		102	707		112	355	