

Table showing the composition of leaf material from Borneo (young vs old leaves).

Plant species <sup>1</sup> :	<i>Mallotus floribundus</i>		<i>Mallotus miquelianus</i>		<i>Leea indica</i>		<i>Brownlowia peltata</i>		<i>Hopea nervosa</i>		<i>Dryobalonops lanceolata</i>	
	young	old	young	old	young	old	young	old	young	old	young	old
	Elements [mg g <sup>-1</sup> dry weight]											
N	25.97	19.37	19.02	16.45	22.54	19.44	19.08	18.48	16.25	13.49	13.77	14.28
C	459.2	420.8	453.6	412.5	460.7	439.3	484.0	435.4	510.2	519.2	499.9	494.8
K	19.85	9.88	14.53	6.28	20.53	6.55	18.61	8.52	12.19	7.46	7.89	5.72
Ca	8.15	22.24	7.12	14.34	13.20	23.33	1.68	14.98	1.40	4.76	2.88	12.12
Mg	3.09	4.47	3.14	3.51	7.68	8.26	2.37	2.71	1.56	2.85	2.02	3.23
P	2.29	1.07	1.67	0.75	2.44	1.64	1.99	1.39	1.43	0.67	1.18	0.76
S	1.68	1.43	1.96	1.56	3.03	2.56	0.99	1.26	1.30	1.40	1.12	1.44
B	0.02	0.04	0.02	0.05	0.01	0.02	0.01	0.03	0.02	0.01	0.04	0.01
Zn	0.02	0.01	0.03	0.03	0.02	0.01	0.05	0.03	0.01	0.01	0.02	0.04
Mn	0.10	0.39	0.45	1.85	0.03	0.07	0.04	0.23	0.14	0.60	0.02	0.09
Fe	0.06	0.09	0.04	0.10	0.06	0.15	0.25	0.07	0.05	0.35	0.02	0.13
Al	0.02	0.06	4.48	0.10	0.01	0.12	0.25	0.03	0.03	0.31	7.42	0.11
Na	0.04	0.04	0.03	0.04	0.04	0.10	0.03	0.04	0.02	0.03	0.02	0.06
	Amino acids [10 <sup>-5</sup> mol / g <sup>-1</sup> dry weight]											
alanine	23.4	46.6	11.0	15.8	34.1	15.7	10.0	37.1	12.6	19.6	15.1	21.8
β-alanine	1.6	0.0	1.5	0.4	3.5	0.9	0.5	0.0	0.9	0.3	4.0	0.4
α-amino adipic acid	23.4	10.9	0.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ-aminobutyric acid	44.3	83.0	29.7	49.3	30.9	21.1	49.0	35.5	22.4	10.9	26.8	14.5
arginine	2.2	5.0	2.6	2.2	5.1	1.2	3.8	2.5	2.8	1.0	1.0	1.1
asparagic acid	9.3	5.6	6.3	2.5	5.7	3.4	17.9	9.2	4.7	2.8	4.8	2.7
asparagine	20.3	30.4	44.9	4.7	48.2	3.2	11.9	3.0	2.1	1.2	1.2	0.8
cysteine	0.0	0.0	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0
glutamic acid	4.4	15.4	4.0	8.2	4.2	7.2	4.2	10.4	22.9	7.6	2.4	3.2
glutamine	0.1	7.4	13.8	5.2	7.9	9.9	9.5	8.2	3.0	2.6	2.7	2.0
glycine	2.1	1.7	2.8	1.9	3.0	1.3	1.8	0.9	1.3	1.0	1.3	0.5
histidine	1.3	3.0	2.9	0.9	1.8	0.6	0.3	0.5	0.7	0.5	0.4	0.9
isoleucine	6.2	1.2	8.9	1.9	12.1	1.6	3.0	1.1	1.7	1.6	2.0	0.9
leucine	6.8	1.0	4.8	3.2	9.8	2.5	3.2	1.7	2.1	1.5	2.6	1.5
lysine	6.9	1.8	7.2	2.4	8.6	2.5	2.3	1.2	3.4	1.5	1.9	1.4
methionine	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
phenylalanine	18.1	1.6	14.2	1.9	6.2	1.4	1.6	1.0	1.9	1.4	0.8	0.9
proline	17.1	7.0	7.0	3.9	18.5	3.1	4.1	3.2	5.6	2.1	3.6	2.1
serine	6.3	6.4	8.7	3.5	16.5	3.5	5.3	2.0	6.1	1.3	3.8	0.7
threonine	12.4	3.4	9.7	3.2	8.3	2.7	2.7	1.8	3.2	2.1	2.8	1.1
tryptophane	2.1	0.0	3.6	1.2	4.3	1.8	0.9	0.0	1.8	1.8	1.2	2.7
tyrosine	12.5	0.5	7.3	0.6	2.4	0.4	1.0	0.0	3.7	0.7	3.2	0.8
valine	20.4	5.8	19.3	4.8	19.8	3.8	5.8	2.5	5.6	2.8	4.3	2.6
Total amino acids	241.2	237.7	212.6	117.7	252.8	87.8	139.6	121.6	108.5	64.1	85.8	62.6
	Phenols [absorption at 350nm]											
	0.23	0.19	0.18	0.17	0.13	0.17	0.08	0.16	0.11	0.22	0.11	0.24

<sup>1</sup> Plant families: Euphorbiaceae: *M. floribundus*, *M. miquelianus*, Leaceae: *L. indica*, Dipterocarpaceae: *H. nervosa*, *D. lanceolata*