

Online Material

Table I. Allometric equations to estimate biomass components that are recommended and reported in the scientific literature for single species and groups of species from semi-arid, subtropical, temperate and tropical vegetation types.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|--|---|---------------------------------|-----------------------|----------------|----|-----------------------|
| Arid, Semi-Arid, Subtropical Species and Forests | | | | | | |
| TAB=0.05351D ^{1.1022} =[(5464.89Db ^{2.7727}) + (0.03182D ^{1.0056}) | <i>Acacia saligna</i> (labil.) H. Wendt | Total Aerea= Fuelwood + Forraje | Bratti et al., (1998) | | NL | |
| TAB = [0.006009+0.241108H+0.000847Db2H-0.4783 (LnH) + [1.946+0.01667(Db2H)] = [1-0.8765+0.54182 Db] TAB =[1.1856+0.7046Db-2.9935LnDb] + [18.48+13.01Db-53.9LnDb] = [-4.4576+1.4946Db] TAB =[0.2984-0.3663H+0.8857LnH+0.001589Db2H]+[1.7299-1.7568H+0.02176Db2H+1.1115LnDb2H]=[0.5772+0.011244Db2H] | <i>Acacia berlandieri</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Leave + Branch + Bole = TAB | Navar et al., (2004) | 2.5-16.9 | 79 | SUR |
| TAB =[1.1856+0.7046Db-2.9935LnDb] + [18.48+13.01Db-53.9LnDb] = [-4.4576+1.4946Db] TAB =[0.2984-0.3663H+0.8857LnH+0.001589Db2H]+[1.7299-1.7568H+0.02176Db2H+1.1115LnDb2H]=[0.5772+0.011244Db2H] TAB =[0.1498-0.0609Db+0.004448Db2H] + [1-3.72/131 + 0.248698Db + 5.1932H - 1.04555LnH] = [-3.72/131+0.248698Db+5.1932H-10.4555LnH] TAB =[0.02387 + 0.071082Db] + [0.822031-0.3336Db + 0.027934Db2H] = [-0.97513 + 0.622086Db] TAB =[0-0.49169+0.119894Db]+[1.34514-0.57648Db+0.036956Db2H-0.07861LnDb2H]=[-2.28529+6.281245H+0.004902Db2H-14.8795LnH] TAB =[-0.80889-0.708933H+3.4441LnDb-1.52967LnDb2H]+[-5.1898 + 4.051755H+0.953933-8.3199LnH]=[0.402273-0.79265H + 0.429856Db + 0.007672Db2H] TAB =[-0.4384+0.12124LnDb2H+0.072176H] + [3.32259 + 0.010964Db2H] = [0.937974+0.0126Db2H] TAB =[-0.00842-0.02042H+0.06316LnDb2H]+[0.912571-0.10608H+0.009052LnH+0.009085Db2H]=[0.089769+0.171654H+0.007258Db2H] | <i>Acacia farnesiana</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 2.1-45.0 | 18 | SUR |
| TAB =[0.062164+0.01156Db2H-0.05652LnDb2H]+[-0.088 + 0.115089Db2H] = [-0.08742+0.014452Db2H] TAB =[-0.69334+0.335057LnDb2H]+[-2.18807 + 1.046488LnDb2H +0.008012Db2H] = [-0.10528+1.061613Db-2.681/52LnDb] | <i>Acacia rigidula</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Leave + Branch + Bole = TAB | Navar et al., (2004) | 1.3-19.5 | 78 | SUR |
| TAB =[0.05351D ^{1.1022} =(5464.89Db ^{2.7727}) + (0.03182D ^{1.0056}) | <i>Bernardia myricaefolia</i> (ne México) SA-ST | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 1.1-7.0 | 52 | SUR |
| TAB =[0.1498-0.0609Db+0.004448Db2H] + [1-3.72/131 + 0.248698Db + 5.1932H - 1.04555LnH] = [-3.72/131+0.248698Db+5.1932H-10.4555LnH] TAB =[0.02387 + 0.071082Db] + [0.822031-0.3336Db + 0.027934Db2H] = [-0.97513 + 0.622086Db] TAB =[0-0.49169+0.119894Db]+[1.34514-0.57648Db+0.036956Db2H-0.07861LnDb2H]=[-2.28529+6.281245H+0.004902Db2H-14.8795LnH] TAB =[-0.80889-0.708933H+3.4441LnDb-1.52967LnDb2H]+[-5.1898 + 4.051755H+0.953933-8.3199LnH]=[0.402273-0.79265H + 0.429856Db + 0.007672Db2H] TAB =[-0.4384+0.12124LnDb2H+0.072176H] + [3.32259 + 0.010964Db2H] = [0.937974+0.0126Db2H] TAB =[-0.00842-0.02042H+0.06316LnDb2H]+[0.912571-0.10608H+0.009052LnH+0.009085Db2H]=[0.089769+0.171654H+0.007258Db2H] | <i>Condalia hookeri</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 0.5-29.9 | 29 | SUR |
| TAB =[0.1498-0.0609Db+0.004448Db2H] + [1-3.72/131 + 0.248698Db + 5.1932H - 1.04555LnH] = [-3.72/131+0.248698Db+5.1932H-10.4555LnH] TAB =[0.02387 + 0.071082Db] + [0.822031-0.3336Db + 0.027934Db2H] = [-0.97513 + 0.622086Db] TAB =[0-0.49169+0.119894Db]+[1.34514-0.57648Db+0.036956Db2H-0.07861LnDb2H]=[-2.28529+6.281245H+0.004902Db2H-14.8795LnH] TAB =[-0.80889-0.708933H+3.4441LnDb-1.52967LnDb2H]+[-5.1898 + 4.051755H+0.953933-8.3199LnH]=[0.402273-0.79265H + 0.429856Db + 0.007672Db2H] TAB =[-0.4384+0.12124LnDb2H+0.072176H] + [3.32259 + 0.010964Db2H] = [0.937974+0.0126Db2H] TAB =[-0.00842-0.02042H+0.06316LnDb2H]+[0.912571-0.10608H+0.009052LnH+0.009085Db2H]=[0.089769+0.171654H+0.007258Db2H] | <i>Celtis pallida</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 1.4-8.8 | 30 | SUR |
| TAB =[0.1498-0.0609Db+0.004448Db2H] + [1-3.72/131 + 0.248698Db + 5.1932H - 1.04555LnH] = [-3.72/131+0.248698Db+5.1932H-10.4555LnH] TAB =[0.02387 + 0.071082Db] + [0.822031-0.3336Db + 0.027934Db2H] = [-0.97513 + 0.622086Db] TAB =[0-0.49169+0.119894Db]+[1.34514-0.57648Db+0.036956Db2H]=[-2.28529+6.281245H+0.004902Db2H-14.8795LnH] TAB =[-0.80889-0.708933H+3.4441LnDb-1.52967LnDb2H]+[-5.1898 + 4.051755H+0.953933-8.3199LnH]=[0.402273-0.79265H + 0.429856Db + 0.007672Db2H] TAB =[-0.4384+0.12124LnDb2H+0.072176H] + [3.32259 + 0.010964Db2H] = [0.937974+0.0126Db2H] TAB =[-0.00842-0.02042H+0.06316LnDb2H]+[0.912571-0.10608H+0.009052LnH+0.009085Db2H]=[0.089769+0.171654H+0.007258Db2H] | <i>Condalia hookeri</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 2.5-25.5 | 96 | SUR |
| TAB =[0.1498-0.0609Db+0.004448Db2H] + [1-3.72/131 + 0.248698Db + 5.1932H - 1.04555LnH] = [-3.72/131+0.248698Db+5.1932H-10.4555LnH] TAB =[0.02387 + 0.071082Db] + [0.822031-0.3336Db + 0.027934Db2H] = [-0.97513 + 0.622086Db] TAB =[0-0.49169+0.119894Db]+[1.34514-0.57648Db+0.036956Db2H]=[-2.28529+6.281245H+0.004902Db2H-14.8795LnH] TAB =[-0.80889-0.708933H+3.4441LnDb-1.52967LnDb2H]+[-5.1898 + 4.051755H+0.953933-8.3199LnH]=[0.402273-0.79265H + 0.429856Db + 0.007672Db2H] TAB =[-0.4384+0.12124LnDb2H+0.072176H] + [3.32259 + 0.010964Db2H] = [0.937974+0.0126Db2H] TAB =[-0.00842-0.02042H+0.06316LnDb2H]+[0.912571-0.10608H+0.009052LnH+0.009085Db2H]=[0.089769+0.171654H+0.007258Db2H] | <i>Cordia boissieri</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 2.5-25.5 | 96 | SUR |
| TAB =[0.1498-0.0609Db+0.004448Db2H] + [1-3.72/131 + 0.248698Db + 5.1932H - 1.04555LnH] = [-3.72/131+0.248698Db+5.1932H-10.4555LnH] TAB =[0.02387 + 0.071082Db] + [0.822031-0.3336Db + 0.027934Db2H] = [-0.97513 + 0.622086Db] TAB =[0-0.49169+0.119894Db]+[1.34514-0.57648Db+0.036956Db2H]=[-2.28529+6.281245H+0.004902Db2H-14.8795LnH] TAB =[-0.80889-0.708933H+3.4441LnDb-1.52967LnDb2H]+[-5.1898 + 4.051755H+0.953933-8.3199LnH]=[0.402273-0.79265H + 0.429856Db + 0.007672Db2H] TAB =[-0.4384+0.12124LnDb2H+0.072176H] + [3.32259 + 0.010964Db2H] = [0.937974+0.0126Db2H] TAB =[-0.00842-0.02042H+0.06316LnDb2H]+[0.912571-0.10608H+0.009052LnH+0.009085Db2H]=[0.089769+0.171654H+0.007258Db2H] | <i>Diospyros texana</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 3.2-25.0 | 63 | SUR |
| TAB =[0.1498-0.0609Db+0.004448Db2H] + [1-3.72/131 + 0.248698Db + 5.1932H - 1.04555LnH] = [-3.72/131+0.248698Db+5.1932H-10.4555LnH] TAB =[0.02387 + 0.071082Db] + [0.822031-0.3336Db + 0.027934Db2H] = [-0.97513 + 0.622086Db] TAB =[0-0.49169+0.119894Db]+[1.34514-0.57648Db+0.036956Db2H]=[-2.28529+6.281245H+0.004902Db2H-14.8795LnH] TAB =[-0.80889-0.708933H+3.4441LnDb-1.52967LnDb2H]+[-5.1898 + 4.051755H+0.953933-8.3199LnH]=[0.402273-0.79265H + 0.429856Db + 0.007672Db2H] TAB =[-0.4384+0.12124LnDb2H+0.072176H] + [3.32259 + 0.010964Db2H] = [0.937974+0.0126Db2H] TAB =[-0.00842-0.02042H+0.06316LnDb2H]+[0.912571-0.10608H+0.009052LnH+0.009085Db2H]=[0.089769+0.171654H+0.007258Db2H] | <i>Eisenhardtia polystachya</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 1.6-15.3 | 42 | SUR |
| TAB =[0.1498-0.0609Db+0.004448Db2H] + [1-3.72/131 + 0.248698Db + 5.1932H - 1.04555LnH] = [-3.72/131+0.248698Db+5.1932H-10.4555LnH] TAB =[0.02387 + 0.071082Db] + [0.822031-0.3336Db + 0.027934Db2H] = [-0.97513 + 0.622086Db] TAB =[0-0.49169+0.119894Db]+[1.34514-0.57648Db+0.036956Db2H]=[-2.28529+6.281245H+0.004902Db2H-14.8795LnH] TAB =[-0.80889-0.708933H+3.4441LnDb-1.52967LnDb2H]+[-5.1898 + 4.051755H+0.953933-8.3199LnH]=[0.402273-0.79265H + 0.429856Db + 0.007672Db2H] TAB =[-0.4384+0.12124LnDb2H+0.072176H] + [3.32259 + 0.010964Db2H] = [0.937974+0.0126Db2H] TAB =[-0.00842-0.02042H+0.06316LnDb2H]+[0.912571-0.10608H+0.009052LnH+0.009085Db2H]=[0.089769+0.171654H+0.007258Db2H] | <i>Forstiera angustifolia</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 1.2-8.0 | 18 | SUR |
| TAB =[0.1498-0.0609Db+0.004448Db2H] + [1-3.72/131 + 0.248698Db + 5.1932H - 1.04555LnH] = [-3.72/131+0.248698Db+5.1932H-10.4555LnH] TAB =[0.02387 + 0.071082Db] + [0.822031-0.3336Db + 0.027934Db2H] = [-0.97513 + 0.622086Db] TAB =[0-0.49169+0.119894Db]+[1.34514-0.57648Db+0.036956Db2H]=[-2.28529+6.281245H+0.004902Db2H-14.8795LnH] TAB =[-0.80889-0.708933H+3.4441LnDb-1.52967LnDb2H]+[-5.1898 + 4.051755H+0.953933-8.3199LnH]=[0.402273-0.79265H + 0.429856Db + 0.007672Db2H] TAB =[-0.4384+0.12124LnDb2H+0.072176H] + [3.32259 + 0.010964Db2H] = [0.937974+0.0126Db2H] TAB =[-0.00842-0.02042H+0.06316LnDb2H]+[0.912571-0.10608H+0.009052LnH+0.009085Db2H]=[0.089769+0.171654H+0.007258Db2H] | <i>Gochania hypoleuca</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 2.1-25.0 | 29 | SUR |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|--|--|-------------------------------|------------------------|----------------|-----|-----------------------|
| $TAB = [-0.17395 + 0.002432Db2H - 1.24942H + 4.2865LnH - 0.18844$ $LnDb] + [20.99959 + 0.056192Db2H - 4.382H - 1.90569Db] = [3.7336 + 0.025468Db2H - 0.094648Db]$ | <i>Heleieta parvifolia</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 1.5-17.5 | 67 | SUR |
| $TAB = [-0.05266 + 0.00052H + 0.092582LnDb2H] + [0.109003 + 0.014021Db2H - 1.62531H + 0.89543LnDb2H] = [0.3558 + 0.010336Db2H - 0.51147Db + 1.5063LnDb]$ | Other matorral thornscrub species (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 1.0-19.0 | 54 | SUR |
| $TAB = [-0.9523 + 0.002317Db2H] + [-1.28875 + 0.027484Db2H] = [-3.08871 + 0.0251196Db2H]$ | <i>P. ebanio</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 2.3-35.0 | 16 | SUR |
| $TAB = [-0.00523 + 0.000689Db2H + 0.8018LnDb] + [0.332213 + 0.017196Db2H - 0.94861Db + 3.388551LnDb] = [-0.58367 + 0.004255Db2H + 0.393071Db]$ | <i>Pithecellobium pallens</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 1.4-21.2 | 123 | SUR |
| $TAB = [-0.15545 + 0.110531Db + 0.000797Db2H] + [4.2362 + 3.2482Db - 11.6949LnDb] = [-2.04254 + 0.387649Db + 0.5166H]$ | <i>Prosopis glandulosa</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 2.0-22.0 | 38 | SUR |
| $TAB = [-0.14775 + 0.000659Db2H + 0.11872Db] + [-2.981 + 0.006699Db2H + 1.221108Db] = [-0.6234 + 0.001711Db2H + 0.313902Db]$ | <i>Prosopis laevigata</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 1.8-29.0 | 29 | SUR |
| $TAB = [0.58283 + 0.000668Db2H - 0.29147LnH] + [-3.288 + 1.1233Db + 0.84592LnH] = [1.08316 + 0.005911Db2H - 0.11339H]$ | <i>Zanthoxylum fagara</i> (ne México) SA-ST Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 2.5-11.8 | 18 | SUR |
| $TAB = [0.026884 + 0.001191Db2H + 0.044529Db - 0.01516H] + [1.025041 + 0.023663Db2H - 0.17071H] - 0.09615LnH] = [-0.43154 + 0.011037Db2H + 0.113602Db] + [0.307809LnDb]$ | All semi-arid, subtropical shrubs and small trees (ne México) Tamaulipan thornscrub Forest | Foliage + Branch + Bole = TAB | Navar et al., (2004) | 0.5-45.0 | 913 | SUR |
| $Ln(TAB) = [-3.409 + 1.790(LnDb)] * 1.023$ | <i>Acacia rigidula</i> (Sur de Texas) Tamaulipan thornscrub Forest | Total AB | Northup et al., (2005) | (16.8)** | 35 | Ln |
| $Ln(TAB) = [-3.323 + 1.914(LnDb)] * 1.021$ | <i>Celtis pallida</i> (Sur de Texas) Tamaulipan thornscrub Forest | TAB | Northup et al., (2005) | (12.0)** | 36 | Ln |
| $Ln(TAB) = [-3.989 + 2.296(LnDb)] * 1.011$ | <i>Condalia hookeri</i> (Sur de Texas) Tamaulipan thornscrub Forest | TAB | Northup et al., (2005) | (8.52)** | 35 | Ln |
| $Ln(TAB) = [-4.053 + 2.502(LnDb)] * 1.011$ | <i>Diopyros texana</i> (Sur de Texas) Tamaulipan thornscrub Forest | TAB | Northup et al., (2005) | (7.68)** | 36 | Ln |
| $Ln(TAB) = [-2.854 + 1.715(LnDb)] * 1.012$ | <i>Mahonia trifoliolata</i> (Sur de Texas) Tamaulipan thornscrub Forest | TAB | Northup et al., (2005) | (16.05)** | 35 | Ln |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|--|--|---|------------------------------------|----------------|-----|-----------------------|
| $\ln(TAB) = [-4.129 + 2.387(\ln Db)] * 1.009$ | <i>Prosopis glandulosa</i> (Sur de Texas) Tamaulipan thornscrub Forest | TAB | Northup et al., (2005) | (15.5)** | 37 | Ln |
| $\ln(TAB) = [-3.690 + 1.549(\ln Db)] * 1.017$ | <i>Zanthoxylum fagara</i> (Sur de Texas) Tamaulipan thornscrub Forest | TAB | Northup et al., (2005) | (8.51)** | 34 | Ln |
| $TAB = 75.1691 + 0.08732D^2H$ | Prosopis pallida | TAB | Padrón Navarro (2004) | Lin | | |
| $TAB = 0.0921 + D^{2.5899}$ | Acacia huarango | TAB | Kue and Lim (1999) | NL | | |
| $TAB = -0.7152 + 1.70291\ln D$ | Mezquite | TAB | Jenkins et al., (2004) | Ln | | |
| $TAB = 34.47 - 8.0671D + 0.6589D^2$ | Tropical dry forests | TAB | Brown et al., (1989) | NL | | |
| $0.0738697D^{2.5939}e^{-0.15340z}$ | <i>Aspidosperma quebracho-blanco</i> (Santiago del Estero, Argentina) | TAB | Gaillard de Benitez et al., (2002) | 13.0-57.6 | 15 | NL |
| $(0.3368Db^{2.0178}) + (0.1329Db^{2.14}) + (0.6141Db^{1.609}) = (0.7621Db^{1.9873})$ | <i>Quillaja saponaria</i> (Colchagua, Chile) | (bole) + (branches) + (Foliage) = (TAB) | Cruz and Quintana (2008) | 0.5-11.0 | 132 | NL |
| $(22.9438Dv^{1.90447}) + (32.2899Dv^{2.6798}) = (61.1665Dv^{2.3632})$ | <i>Peumus boldus</i> Mol (Chile) | (Foliage) + (Bole&Branches) = (TAB) | Durán-Garáte (2005) | 0.1-12.1 | 200 | Ln |
| $\text{Log}(TAB) = -0.7590 + 0.55204 \text{Log}(BA) + 0.5715 \text{Log}(WSG) + 0.5654 \text{Log}(H)$ | Tropical deciduous forests (Jalisco, Mexico) | TAB | Martínez-Yrizar et al., (1992). | 3.0-30.0 | Log | |
| $T=35; Spp=31; Forests=4; Species=26$ | | | | | | |
| $TAB = 0.08952.42D^{2.33}$ | Temperate Species and Forests | TAB | Etchevers-Barra et al., (2002) | 3.9-23.5 | 10 | Ln |
| $TAB = 0.10815D^{2.45}$ | <i>Ahnus spp</i> (Oaxaca, México) | TAB | Etchevers-Barra et al., (2002) | 3.3-23.9 | 10 | Ln |
| $TAB = 0.1034D^{2.39}$ | <i>Liquidambar macrophylla</i> (Oaxaca, México) | TAB | Etchevers-Barra et al., (2002) | 3.4-22.6 | 8 | Ln |
| $TAB = 0.1723D^{2.26}$ | <i>Quercus spp</i> (Oaxaca, México) | TAB | Etchevers-Barra et al., (2002) | 8.4-25.0 | 12 | Ln |
| $TAB = 0.1494D^{2.15}$ | <i>Inga spp</i> (Oaxaca, México) | TAB | Etchevers-Barra et al., (2002) | 3.5-14.8 | 6 | Ln |
| $TAB = 0.1371D^{2.26}$ | <i>Clethra hirtwegii</i> (Oaxaca, México) | TAB | Etchevers-Barra et al., (2002) | 4.3-20.6 | 6 | Ln |
| $TAB = 0.1114D^{2.36}$ | <i>Rapanea myricoides</i> (Oaxaca, México) | TAB | Etchevers-Barra et al., (2002) | 3.3-25.0 | 52 | Ln |
| $TAB = 0.1116D^{2.412}$ | Bosques nublados de Oaxaca | TAB | Etchevers-Barra et al., (2002) | 3.3-25.0 | 30 | Ln |
| $TAB = 0.1396D^{2.189}$ | <i>Quercus, Liquidambar & Inga</i> (Oaxaca, Mexico) | TAB | Etchevers-Barra et al., (2002) | 3.5-23.5 | 22 | Ln |
| $TAB = [(-1.13 + 0.353Db - 0.54 LnH) + (9.413 + 1.605Db - 10.31LnDb) + (0.093 + 0.009Db^2H)]$ | <i>Alnus, Clethra & Rapanea</i> (Oaxaca, Mexico) | TAB | Etchevers-Barra et al., (2002) | 5.0-23.0 | 56 | SUR |
| $[0.1899D^{2.227}] + [0.0254D^{2.4828}] = [0.2019D^{2.2907}]$ | Young pine trees (<i>P. durangensis</i> , <i>P. cooperii</i> , (<i>P. engelmannii</i>), Durango, México. Coniferous Forests | TAB | Návar (2008) | 12.5-57.4 | 20 | NL |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|--|---|-------------------------------|---------------------------------|----------------|-----|-----------------------|
| $[0.0768D^{2.4416}]+[0.0202D^{2.648}]=[0.089D^{2.5226}]$ | <i>Quercus sideroxylla</i> (nw México) Coniferous Forests | Bole + Branches&Foliage = TAB | Návar (2008) | 9.8-62.5 | 30 | NL |
| $[0.5825D^{1.6178}]+[0.0433D^{2.3929}]=[0.37D^{1.96}]$ | Tropical dry forest (Sinaloa) | Bole + Branches&Foliage = TAB | Návar (2008) | 5.2-32.6 | 39 | |
| $[0.0348D^{2.5893}]+[0.2883D^{1.7343}]=[0.1354D^{2.3033}]$ | <i>Other pine species</i> (<i>Pinus oocarpa</i> , <i>Pinus herrerae</i> , <i>Pinus engelmannii</i> , <i>Pseudotsuga menziesii</i>) (nw México) Coniferous Forests | Bole + Branches&Foliage = TAB | Návar (2008) | 8.7-49.8 | 81 | NL |
| $[0.1855D^{2.1017}]+[0.0255D^{2.5507}]=[0.1751D^{2.2629}]$ | <i>Pinus leiophylla</i> (nw México) Coniferous Forests | Bole + Branches&Foliage = TAB | Návar (2008) | 9.6-34.8 | 27 | NL |
| $[0.0274D^{2.6928}]+[0.4452D^{1.7682}]=[0.2057D^{2.2583}]$ | <i>Pinus tecote</i> (nw México) Coniferous Forests | Bole + Branches&Foliage = TAB | Návar (2008) | 7.3-41.2 | 56 | NL |
| $[0.069D^{2.4515}]+[0.6437D^{1.6020}]=[0.2893D^{2.1569}]$ | <i>Pinus ayacahuite</i> (nw México) Coniferous Forests | Bole + Branches&Foliage = TAB | Návar (2008) | 5.7-49.2 | 58 | NL |
| $[0.1314D^{2.2815}]+[0.0175D^{2.5739}]=[0.1382D^{2.2573}]$ | <i>Pinus durangensis</i> (nw México) Coniferous Forests | Bole + Branches&Foliage = TAB | Návar (2008) | 6.2-57.2 | 384 | NL |
| $[0.0992D^{2.2674}]+[0.0063D^{2.8284}]=[0.0819D^{2.4293}]$ | <i>Pinus arizonica</i> (nw México) Coniferous Forests | Bole + Branches&Foliage = TAB | Návar (2008) | 10.0-45.0 | 66 | NL |
| $[0.0726D^{2.4459}]+[0.0565D^{2.2729}]=[0.1229D^{2.3964}]$ | <i>Pinus spp</i> (nw México) Coniferous Forests | Bole + Branches&Foliage = TAB | Návar (2008) | 5.7-57.4 | 721 | NL |
| $[0.0051D^{2.6680}]$ | <i>Roots Pinus spp</i> (nw México) Coniferous Forests | Coarse Roots | Návar (2008) | 5.7-49.0 | 40 | NL |
| $[0.0752D^{2.4448}]*2.0331^P$ | <i>Pinus and Quercus spp spp</i> (nw México) Coniferous Forests | TAB | Návar (2008) | 5.7-57.4 | 721 | NL |
| $TAB=-1.8621+2.27675\ln(D)$ | <i>Pinus patula</i> (center of México) | TAB | Castellanos et al., (1993) | 5.0-45.0 | 27 | Ln |
| $FTcc=-2.06082+2.30026\ln(D)$ | <i>Pinus patula</i> (center of México) | Total Bole + bark | Castellanos et al., (1993) | 5.0-45.0 | 27 | Ln |
| $FTsc=-3.32239+2.32761\ln(D)$ | <i>Pinus patula</i> (center of México) | Total Bole no bark | Castellanos et al., (1993) | 5.0-45.0 | 27 | Ln |
| $FLcc=-1.7598+2.14881\ln(D)$ | <i>Pinus patula</i> (center of México) | Bole + bark | Castellanos et al., (1993) | 5.0-45.0 | 27 | Ln |
| $FLsc=-2.5142+2.33709\ln(D)$ | <i>Pinus patula</i> (center of México) | Bole no bark | Castellanos et al., (1993) | 5.0-45.0 | 27 | Ln |
| $CF=-3.26303+2.1511\ln(D)$ | <i>Pinus patula</i> (center of México) | Bole Bark | Castellanos et al., (1993) | 5.0-45.0 | 27 | Ln |
| $BI=-4.455+2.3325\ln(D)$ | <i>Pinus patula</i> (center of México) | Branches | Castellanos et al., (1993) | 5.0-45.0 | 27 | Ln |
| $NF=-3.9076+1.7631\ln(D)$ | <i>Pinus patula</i> (center of México) | New Foliage | Castellanos et al., (1993) | 5.0-45.0 | 27 | Ln |
| $TF=-3.7499+1.7381\ln(D)$ | <i>Pinus patula</i> (center of México) | Total Foliage | Castellanos et al., (1993) | 5.0-45.0 | 27 | Ln |
| $C=-3.1956+2.0251\log(D)$ | <i>Pinus patula</i> (center of México) | Crown | Castellanos et al., (1993) | 5.0-45.0 | 27 | Ln |
| $TAB=291.42D^2H+6426.6 D^H$ | <i>Young Pinus greggii</i> Enegehn (Hidalgo México) | TAB | Pacheco-Escalona et al., (2007) | ? | 20 | NL |
| $\ln(BR)=-3.01902+2.4795\ln(D)$ | <i>Pinus radiata</i> (Sur de Chile) | Roots | Guerra et al., (2005) | 3.0-30.0* | 27 | Ln |
| $\ln(TAB)= -2.71354+2.5123\ln(D)$ | <i>Pinus radiata</i> (Sur de Chile) | TAB | Guerra et al., (2005) | 3.0-30.0* | | |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|--|---|---|-------------------------------------|----------------|-----|-----------------------|
| $TB = [(93.648D^{2.189}) + (59.769D^{1.812})] + [(481.59D^{1.002}) + (20.477D^{1.848})] + [(60.969D^{1.782})]$ | <i>Pinus ponderosa</i> (nw de Patagonia, Argentina) | Bole+Branch+Foliage+Coarse roots+Tap root | Laclau (2003) | 5-35 | 65 | Ln |
| $TB = [(80.562D^{2.451}) + (56.77D^{2.014})] + [(115.20D^{1.375}) + (49.57D^{1.73})] + [(25.982D^{1.911})]$ | <i>Austrocedrus chilensis</i> (nw Patagonia, Argentina) | Bole+Branches+Foliage+C-Coarse Roots+Main Root | Laclau (2003) | 5-35 | 35 | Ln |
| $TBR = \text{Exp}(6.01+0.257D)$ | <i>Pinus ponderosa</i> -10y-old (Bariloche, Argentina) | Roots | Laclau (2003) | 1-10 (5.8) | 15 | Ln |
| $TBR = \text{Exp}(6.34+0.172D)$ | <i>Pinus ponderosa</i> 20y-old (Bariloche, Argentina) | Roots | Laclau (2003) | 10-30(21.6) | 33 | Ln |
| $(-251.209 + 2.9446LnD) + (7.1610D^{2.9446}) + (0.0076D^{2.711}) + (0.072D^{2.4243}) + (0.0062D^{2.5136}) + (0.064D^{1.1690}) + (38.1569 \cdot 6.7776LnD)$ | <i>Austrocedrus chilensis</i> (Río negro, Argentina) | (needles)+(twigs)+(branches)+ (Bolewood)+(bark)+(coarse roots)+(fine roots) | Rodríguez et al., (2003) | 18.0-55.0 | 36 | Ln |
| $(5.229 + 0.785Ln(D^2H)) = (4.954 + 0.929Ln(D^2H)) + (2.743 + 0.798Ln(D^2H)) + (3.276 + 0.788Ln(D^2H))$ | <i>Araucaria angustifolia</i> (Misiones, Argentina) | (TAB) = (Bole)+(Foliage)+(branches)=(TAB) | Ferrando et al., (2001) | 7.0-70.0(26) | 21 | Ln |
| $(-67.01 + 4.389D) + (-137.238 + 7.145D) + (635.374 + 32.302D^2H) = (-41.713 + 0.565D^2)$ | <i>Nothofagus pumilio</i> (Chubut, Argentina) | (Foliage)+(branches)+(bole)= (TAB) | Fernández-Tschiedder et al., (2008) | 20.0-60.0 | 27 | Lin |
| $TAB = 7.67 + 0.089D^2 - 0.822TH + 0.017D^2H$ | Siempreverde Forests (Chile) | TAB | Loguercio y Defossé (2001) | 10.0-90.0 | 59 | |
| $\ln(TAB) = 1.835 + 2.291\ln(D)$ | Coastal Siempreverde Forests (Chile) | TAB | Schlegel (2001) | 5.0-104.0 | 269 | Ln |
| $\ln(TAB) = -1.624 + 2.235\ln(D)$ | Andean Siempreverde Forests (Chile) | TAB | Schlegel (2001) | 5.0-55.0 | 137 | Ln |
| $\ln(TAB) = -2.041 + 2.341\ln(D)$ | Juniperus flaccida | TAB | Rodríguez-Laguna et al., (2007) | 5.0-104.0 | 132 | Ln |
| $\ln(TAB) = -1.6469 + 2.1253*\ln(D)$ | <i>Pinus pseudostrobus</i> | TAB | Rodríguez-Laguna et al., (2007) | 5.0-42.4 | 8 | Ln |
| $\ln(TAB) = -3.1641 + 2.5996*\ln(D)$ | Quercus cambyi | TAB | Rodríguez-Laguna et al., (2007) | 5.0-39.5 | 8 | Ln |
| $\ln(TAB) = -2.3112 + 2.4497*\ln(D)$ | Quercus laceyi | TAB | Rodríguez-Laguna et al., (2007) | 6.0-35.2 | 7 | Ln |
| $\ln(TAB) = -2.4344 + 2.5068*\ln(D)$ | Quercusrysophylla | TAB | Rodríguez-Laguna et al., (2007) | 7.4-40.6 | 8 | Ln |
| $\ln(TAB) = -2.2089 + 2.3736*\ln(D)$ | All species (<i>J. flaccida</i> , <i>P. pseudostrobus</i> , <i>Q. cambyi</i> , <i>Q. laceyi</i> , and <i>Q. riosphylla</i>) | TAB | Rodríguez-Laguna et al., (2007) | 5.0-42.4 | 39 | Ln |
| $T=52; Sp=41; Bosques=11; Species=26$ | Tropical Species and Forests | TAB | Weaver and Guillepsie (1992) | | | |
| $TAB = 2.28D + 0.5491D^2$ | Luquillo Forests (Puerto Rico) | TAB | Kumar and Tewari (1999) | | | |
| $TAB = -13.41 + 0.040D^2H$ | <i>Azadirachta indica</i> | TAB | Brown et al., (1989) | >5.0 | 168 | NL |
| $TAB = \exp[-3.114 + 0.972 \ln(D \cdot H)]$ | Wet tropical forests | TAB | Brown et al., (1989) | >5.0 | 168 | NL |
| $TAB = \exp[-3.54 + 1.131\ln D^2 + 0.77\ln(H)]$ | Wet tropical forests | TAB | | | | |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|--|---|---------------------------|------------------------------------|----------------|-----|-----------------------|
| TAB = exp[-2.409 + 0.952 ln($\rho D^2 H$)] | Tropical rain forests | TAB | Brown et al., (1989) | >10.0 | 94 | NL |
| TAB = 4.722*ln(d^2)-13.323 | Tropical rain forests (Veracruz, México) | TAB | Hughes et al., (2000) | | | NL |
| TAB =exp(-3.78+0.95ln(d^2)+ln(h)x10-3) | <i>Cecropia spp</i> (se México) | TAB | Hughes et al., (2000) | | | NL |
| TAB =exp(3.627+0.5768ln($D^2 H$))*1.02 | Palms (se México) | TAB | Hughes et al., (2000) | | | NL |
| TAB =[0.6886+1.5009Log(D)+0.15]+[1.1686+1.9066Log(D)+0.27] | <i>Pinus caribaea var. caribaea</i> (Pinar del Río Cuba) | Foliage + Bole & Branches | Vidal-Corona et al., (2004) | 4.0-45.0 | 169 | Log |
| TAB =-2.14+1.33Log(AB) | Flooded tropical Forest, Amazonia Colombia | Tropical trees | Álvarez (2001) | 2.0-130.0 | 150 | Ln |
| TAB =-3.50+1.55Log(AB) | Flooded tropical Forest, Amazonia Colombia | Tropical Palms | Álvarez (2001) | 3.9-26.0 | 23 | Ln |
| TAB =0.57+0.99Log(AB) | Flooded tropical Forest, Amazonia Colombia | Tropical Lianas | Álvarez (2001) | 1.0-15.7 | 16 | Ln |
| TAB =0.24D ^{1.2916} H ^{1.6949} -0.0148[D ^{2.9547} /D ^{0.9547}]* ^(H-1.3) | <i>Eucalyptus urophylla</i> (Ospino Portuguesa, Venezuela) | TAB | Reynolds et al., (2000) | | | NL |
| TAB =0.1049D ^{1.4188} H ^{0.3953*} A ^{0.6264} -0.02[D ^{2.6705} /D ^{0.8999}]* ^(H-1.3) | <i>Gmelina arborea</i> (Ospino Portuguesa, Venezuela) | TAB | Reynolds et al., (2000) | | | NL |
| TAB =3.020219+1.128416Log(V) | <i>Pinus caribaea</i> (Uverito Mongas, Venezuela) | TAB | Albarran and Zerpa (1992) | | | Log |
| Ln(TAB) =-3.443+2.789Ln(D) | <i>Tectona grandis</i> (Caparo Barinas, Venezuela) | TAB | Hase and Folster (1983) | | | Ln |
| Ln(TAB)= -7.27+2.07Ln(D) | <i>Tropical trees</i> (ne Costa Rica) | TAB | Segura and Kanninen (106.9) (2006) | 19 | | Ln |
| TAB =0.0474D ^{2.629} | <i>Young Café trees</i> (San Martín, Perú) | TAB | Lapeyre et al., (2004) | | | |
| Ln(TAB)= -3.1426+2.6927Ln(D) | <i>Hevea brasiliensis</i> Mull. Arg. IAN 710 (Oaxaca, México) | TAB | Rojo-Martínez et al., (2005) | 10.0-40.0 | 28 | Ln |
| TAB =0.36D ^{2.089} | <i>Hevea brasiliensis</i> Mull. Arg. IAN 710 (Veracruz, México) | TAB | Monroy and Navar (2004) | 20.0-50.0 | 20 | SUR |
| TSBr =[-442.17+0.0087D ² H+27.48H]+[-106.27+6.95D] | <i>Hevea brasiliensis</i> Mull. Arg. IAN 710 (Veracruz, México) | Bole + Branches | Monroy and Navar (2004) | 20.0-50.0 | 20 | SUR |
| TF=-1.4570+2.1614Log(D)+0.5426 | <i>Pinus tropicalis</i> Morelet (Cuba) | Foliage | Vidal-Corona et al., (2002) | 4.0-46.0 | 191 | Ln |
| TBr=-2.6824+3.2264Log(D)+0.6460 | <i>Pinus tropicalis</i> Morelet (Cuba) | Branches | Vidal-Corona et al., (2002) | 4.0-46.0 | 191 | Ln |
| TAB=4.2.69-12.8D+1.242D ² | Tropical trees | TAB | Brown (1997) | 5.0-148.0 | 170 | NL |
| TAB=-2.134+2.53LnD | Tropical trees | TAB | Brown (1997) | | | |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|---|--|---------------------|--------------------------|----------------|-----|-----------------------|
| TAB=0.604.06D ^{1.76}) | <i>Tropical trees</i> (Para, Brasil) | TAB | Araujo et al., (1999) | <138.0 | 127 | NL |
| TAB=1000*(0.60*exp(3.323+2.546Ln(D/100)) | <i>Tropical trees</i> (Manaus, Brasil) | TAB | Carvalho et al., (1998) | | | |
| Ln(TAB)=p/pav*exp[-1.9703+2.1166LnD] | <i>Tropical trees</i> (Los Tuxtlas, México) | TAB | Hughes et al., (1999) | <10.0 | 66 | Ln |
| Ln(TAB)=p/(p/0.60)*exp(-3.742+3.450LnD-0.148Ln(D) ²) | <i>Tropical trees</i> (Barro Colorado, Panamá) | TAB | Chavé et al., (2003) | >10.0 | 634 | NL |
| Ln(TAB)=-2.00+2.42LnD | Pan tropical trees | TAB | Chavé et al., (2001) | >10.0 | 378 | Ln |
| Ln(TAB)=(pi/0.58)*exp(-2.00+2.42LnD) | Pan tropical trees | TAB | Chavé et al., (2001) | >10.0 | 378 | Ln |
| Ln(TAB)=0.37+0.333LnD+0.933Ln(D) ² -0.122Ln(D) ³ | <i>Tropical trees</i> (Brasil) | TAB | Chambers et al., (2001) | >5.0 | 316 | Ln |
| Ln(TAB)=(pi/0.67)*exp(0.33(LnD)+0.933Ln(D) ² -0.122Ln(D) ³ -0.37) | <i>Tropical trees</i> (Brasil) | TAB | Chambers et al., (2001) | >5.0 | 316 | Ln |
| Ln(TAB)=(p/pw)*exp(-1.839+2.116LnD) | <i>Tropical small trees</i> (Los Tuxtlas, México) | TAB | Hughes et al., (1999) | >1.0 | 66 | Ln |
| Ln(TAB)=2.232+2.422LnD | <i>Tropical forests</i> (Colombia) | TAB | Colorado (2001) | | | |
| TAB=0.3675D ^{1.8355} | <i>Aspidosperma pyrifolium</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | <23.5** | 30 | NL |
| TAB=0.3569D ^{1.8565} | <i>Croton sonderianus</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | <12.3** | 30 | NL |
| TAB=0.1970D ^{1.8545} | <i>Jatropha mollissima</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | <15.6** | 30 | NL |
| TAB=0.2365D ^{2.1928} | <i>Caesalpinia pyramidalis</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | <50.3** | 30 | NL |
| TAB=0.3460D ^{2.0231} | <i>Maytenus rigida</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | <25.8** | 30 | NL |
| TAB=0.3127D ^{2.1183} | <i>Mimosa hostilis</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | <27.2** | 30 | NL |
| TAB=0.2482D ^{2.1628} | <i>Anadenanthera macrocarpa</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | <21.6** | 30 | NL |
| TAB=0.1397D ^{2.4659} | <i>Myracrodruon urundeuva</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | <32.5** | 30 | NL |
| TAB=0.2274D ^{2.2710} | <i>Schopisia glabra</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | <35.0** | 30 | NL |
| TAB=0.0010D ^{3.2327} | <i>Cereus jamacaru</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | <23.0** | 30 | NL |
| TAB=0.1730D ^{2.2930} | <i>All species with the exception of Cereus jamacaru</i> (Sta Luz and Petrolina, Brasil) | TAB | Sampaio and Silva (2005) | 2.0-50.3** | 270 | NL |
| TAB=0.226D ^{2.274} | <i>C. pyramidalis</i> y <i>A. pyrifolium</i> (ne Brasil) | TAB | Sampaio and Silva (2005) | <50.3 | 60 | NL |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|--|---|-----------------------------------|-------------------------------|----------------|-----|-----------------------|
| TAB=0.206D ^{2.273} | <i>C. pyramidalis</i> y <i>A. pyrifolium</i> (ne Brasil) | Bole and Branches | Sampaio and Silva (2005) | <50.3 | 60 | NL |
| TAB=0.018D ^{2.369} | <i>C. pyramidalis</i> y <i>A. pyrifolium</i> (ne Brasil) | Foliage | Sampaio and Silva (2005) | <50.3 | 60 | NL |
| TAB=42.69-12.80D+1.24D ² | <i>Amazonian tropical trees</i> (Mato Grosso, Brasil) | TAB | Feldpausch et al., (2006) | 5.0-148.0 | 170 | NL |
| [$-2.570 + 2.454 * \ln(D) + [-5.773 + 3.226 * \ln(D)] + [-6.825 + 3.379 * \ln(D)] = -2.829 + 2.704 * \ln(DBH)$ | <i>Calophyllum brasiliense</i> (Sarapiqui, Costa Rica) | Bole+Branches+Foliage=TAB | Montero and Montagnini (2004) | 10-yr-old | Ln | |
| [$-3.867 + 2.048 * \ln(D) + 0.697 * \ln(H) + [-1.872 + 1.202 * \ln(D)] + [-4.661 + 2.014 * \ln(D)] = -2.815 + 2.428 * \ln(D)$ | <i>Vochysia guatemalensis</i> (Sarapiqui, Costa Rica) | Bole+Branches+Foliage=TAB | Montero and Montagnini (2004) | 10-yr-old | Ln | |
| [$-1.776 + 1.804 * \ln(D) + [-10.100 + 4.285 * \ln(D)] + [-12.761 + 4.976 * \ln(D)] = [-3.252 + 2.492 * \ln(D)]$ | <i>Vochysia ferruginea</i> (Sarapiqui, Costa Rica) | Bole+Branches+Foliage=TAB | Montero and Montagnini (2004) | 9-yr-old | Ln | |
| [$-3.679 + 2.481 * \ln(D) + [-9.279 + 3.962 * \ln(D)] + [-8.988 + 3.610 * \ln(D)] = [-4.132 + 2.755 * \ln(D)]$ | <i>Viriola koschnyi</i> (Sarapiqui, Costa Rica) | Bole+Branches+Foliage=TAB | Montero and Montagnini (2004) | 10-yr-old | Ln | |
| [$-2.831 + 2.747 * \ln(DBH) + [-6.137 + 3.534 * \ln(DBH)] + [-6.256 + 3.197 * \ln(DBH)] = [-3.011 + 2.947 * \ln(DBH)]$ | <i>Dipteryx panamensis</i> (Sarapiqui, Costa Rica) | Bole+Branches+Foliage=TAB | Montero and Montagnini (2004) | 10-yr-old | Ln | |
| [$-2.473 + 2.501 * \ln(D) + [-4.876 + 2.844 * \ln(D)] + [-5.456 + 2.622 * \ln(D)] = [-2.538 + 2.614 * \ln(D)]$ | <i>Terminalia amazonia</i> (Sarapiqui, Costa Rica) | Bole+Branches+Foliage=TAB | Montero and Montagnini (2004) | 10-yr-old | Ln | |
| [$-3.136 + 2.591 * \ln(D) + [-8.615 + 4.234 * \ln(D)] + [(-6.404 + 2.876 * \ln(D)] = [-1.696 + 2.224 * \ln(D)]$ | <i>Hiernyma alchorneoides</i> (Sarapiqui, Costa Rica) | Bole+Branches+Foliage=TAB | Montero and Montagnini (2004) | 9-yr-old | Ln | |
| TAB=4.06 (D ^{1.76}) | Amazonian Tropical Trees | TAB | Araujo et al., (1999) | <138.0 | 127 | NL |
| TAB=1.12 (D ²) | Amazonian Tropical Trees | TAB | Obermann et al., (1994) | <98.2 | 51 | L |
| TAB=-1.966 + 1.242 Ln (D ²) | Amazonian Tropical Trees | TAB | Obermann et al., (1994) | <98.2 | 51 | Ln |
| TAB=3.45-2.74D+0.533 | <i>Dicotiledoneas Tabonuco Forest</i> (Luquillo, Puerto Rico) | TAB | Weaver (2002) | | NL | |
| Log(TAB)= $(-1.825 + 2.704 \log D) + [(-1.830 + 2.847 \log D) + [(-0.559 + 2.067 \log D)]]$ | <i>Inga punctata</i> (San Ramon, Matagalpa, Nicaragua) | (Ramas y Foliage) + Fuste = Total | Segura et al., (2006) | 5-44 | 34 | Log |
| Log(TAB)= $(-1.471 + 1.964 \log D) + [(-1.541 + 2.527 \log D) + [(-1.146 + 2.208 \log D)] = [(-0.936 + 2.348 \log D)]$ | <i>Inga tonduzzi</i> (San Ramon, Matagalpa, Nicaragua) | Foliage + Ramas + Fuste = Total | Segura et al., (2006) | 5-44 | 48 | Log |
| Log(TAB)= $(-1.569 + 0.964 \log D) + [(-2.149 + 2.840 \log D) + [(-1.799 + 2.877 \log D)] = [(-1.417 + 2.755 \log D)]$ | <i>Juglans olanchana</i> (San Ramon, Matagalpa, Nicaragua) | Foliage + Ramas + Fuste = Total | Segura et al., (2006) | 5-44 | 35 | Log |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|--|--|---|----------------------------|----------------|-----|-----------------------|
| $\text{Log}(\text{TAB})=[(-1.620+2.257\text{LogD})]+[(-1.121+1.932\text{LogD})]+[(-0.942+2.062\text{LogD})]=[-0.755+2.072\text{LogD}]$ | <i>Cordia alliodora</i> (San Ramon, Matagalpa, Nicaragua) | Ramas + (Ramas y Foliage) + Fuste = Total | Segura et al., (2006) | 5-44 | 44 | Log |
| $\text{Log}(\text{TAB})=[(-1.557+2.998\text{LogD})]+[1.452+2.286\text{LogD}]+[(-1.196+2.294\text{LogD})]=[-0.834+2.223\text{LogD}]$ | <i>Inga punctata</i> , <i>Inga tonduzii</i> , <i>Juglans olanchana</i> y <i>Cordia alliodora</i> (San Ramon, Matagalpa, Nicaragua) | Foliage + Ramas + Fuste = Total | Segura et al., (2006) | 5-44 | 161 | Log |
| $\text{Log}(\text{TAB})=-1.181+199\text{Ln}(\text{D}_{1.5})$ | <i>Cofea arabica</i> (San Ramon, Matagalpa, Nicaragua) | TAB | Segura et al., (2006) | 5-44 | 96 | Log |
| $\text{Ln}(\text{TAB})=(-2.173+0.868*\text{Ln}(\text{D}^2\text{H})+(0.0939/2))$ | Tropical trees d>10 cm | TAB | Cairns et al., (2003) | 10-81 | 132 | Ln |
| $\text{Ln}(\text{TAB})=0.0301*\text{Ln}(\text{D}^2\text{H})$ | <i>Alseis yucatenses</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | 10-81 | 20 | Ln |
| $\text{Ln}(\text{TAB})=0.0336*\text{Ln}(\text{D}^2\text{H})$ | <i>Brosimum alicastrum</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | 10-81 | 17 | Ln |
| $\text{Ln}(\text{TAB})=0.0447*\text{Ln}(\text{D}^2\text{H})$ | <i>Manilkara zapota</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | 10-81 | 20 | Ln |
| $\text{Ln}(\text{TAB})=0.0358*\text{Ln}(\text{D}^2\text{H})$ | <i>Pouteria campechiana</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | 10-81 | 11 | Ln |
| $\text{Ln}(\text{TAB})=0.0465*\text{Ln}(\text{D}^2\text{H})$ | <i>Pouteria unilocularis</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | 10-81 | 27 | Ln |
| $\text{Ln}(\text{TAB})=0.0465*\text{Ln}(\text{D}^2\text{H})$ | <i>Tristaniopsis minutiflora</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | 10-81 | 37 | Ln |
| $\text{Ln}(\text{TAB})=0.0867+0.0429\text{Ln}(\text{D}^2\text{H})$ | <i>Alseis yucatenses</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | <10 | 9 | Ln |
| $\text{Ln}(\text{TAB})=0.0034+0.0482\text{Ln}(\text{D}^2\text{H})$ | <i>Manilkara zapota</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | <10 | 16 | Ln |
| $\text{Ln}(\text{TAB})=0.8322+0.0429\text{Ln}(\text{D}^2\text{H})$ | <i>Pouteria unilocularis</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | <10 | 59 | Ln |
| $\text{Ln}(\text{TAB})=0.4125+0.0421\text{Ln}(\text{D}^2\text{H})$ | <i>Tristaniopsis minutiflora</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | <10 | 170 | Ln |
| $\text{Ln}(\text{TAB})=0.3627+0.0322\text{Ln}(\text{D}^2\text{H})$ | <i>Piper spp</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | <10 | 64 | Ln |
| $\text{Ln}(\text{TAB})=0.0493+0.048\text{Ln}(\text{D}^2\text{H})$ | <i>Talisia olivaeformis</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | <10 | 24 | Ln |
| $\text{Ln}(\text{TAB})=0.2385+0.058\text{Ln}(\text{D}^2\text{H})$ | <i>Ceanothus arboreus</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | <10 | 20 | Ln |
| $\text{Ln}(\text{TAB})=0.1780+0.0638\text{Ln}(\text{D}^2\text{H})$ | <i>Crepidotus lundellii</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | <10 | 10 | Ln |
| $\text{Ln}(\text{TAB})=0.46+0.037\text{Ln}(\text{D}^2\text{H})$ | <i>Eugenia spp</i> (Quintana Roo, Mexico) | TAB | Cairns et al., (2003) | <10 | 7 | Ln |
| $\text{Ln}(\text{TAB})=(0.29811.027*\text{Ln}(\text{BA}))$ | Lianas | TAB | DeWalt and Chave (2004) | | | |
| $\text{TAB}=4.51(7.7\text{XH})/10^3$ | <i>Palms</i> (Puerto Rico) | TAB | Frangi and Lugo (1985) | >10 | 25 | NL |
| $\text{Ln}(\text{TAB})=6.3789+0.877\text{Ln}(\text{D}^2)+2.151\text{Ln}(\text{h})$ | Palms | TAB | Saldarriaga et al., (1988) | 19 | Ln | |
| $\text{Ln}(\text{TAB})=1.981+1.047\text{Ln}(\text{D}^2)+0.572\text{Ln}(\text{h})+0.931\text{Ln}(\text{d})$ | Tropical trees <20 cm D | TAB | Saldarriaga et al. | <20.0 | 39 | Ln |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|--|---|--|-----------------------------|----------------|-----|-----------------------|
| $\text{Ln}(\text{TAB}) = -1.086 + 0.876 \text{Ln}(\text{D}^2) + 0.604 \text{Ln}(\text{h}) + 0.871 \text{Ln}(\text{d})$ | Tropical trees >20 cm D | TAB | Saldarriaga et al. | >20.0 | 43 | Ln |
| $\text{Ln}(\text{TAB}) = -3.78 + 0.951 \text{Ln}(\text{D}^2) + 1.00 \text{Ln}(\text{h})$ | <i>Cecropia</i> | TAB | Uhl et al., (1988) | 16 | Ln | |
| $\text{Ln}(\text{TAB}) = -3.54 + 1.13 \text{Ln}(\text{D}^2) + 0.77 \text{Ln}(\text{h})$ | <i>Vismia guianensis</i> | TAB | Uhl et al., (1988) | 10 | Ln | |
| $\text{Ln}(\text{TAB}) = -2.17 + 1.02 \text{Ln}(\text{D}^2) + 0.39 \text{Ln}(\text{h})$ | Other species secondary tropical forest | TAB | Uhl et al., (1988) | 30 | Ln | |
| $\text{TB} = 21.297 - 6.953 \text{D} + 0.74 \text{D}^2$ | Trees tropical rain forest | TAB | Brown and Iverson (1992) | | | |
| $\text{Ln}(\text{TAB}) = (-1.547 + 2.64 \text{Ln}(\text{D})) * 1.082$ | <i>Lianas</i> (Amazonas, Brasil) | TAB | Gehring et al., (2004) | 1.04-9.66 | 224 | Ln |
| $\text{Ln}(\text{TAB}) = (-1.459 + 2.566 \text{Ln}(\text{D})) * 0.57$ | <i>Lianas</i> (Guyana Francesa) | TAB | Beckman (1981) | 1.10-23 | 85 | Ln |
| $\text{Ln}(\text{TAB}) = (0.147 + 2.184 \text{Ln}(\text{D})) * 0.218$ | <i>Lianas</i> (Para, Brasil) | TAB | Gerwin and Farias (2000) | 1.76-13.65 | 18 | Ln |
| $\text{Ln}(\text{TAB}) = (0.036 + 1.806 \text{Ln}(\text{D})) * 0.185$ | <i>Lianas</i> (Venezuela) | TAB | Putz (1983) | 1.18-11.28 | 17 | Ln |
| $\text{Ln}(\text{TAB}) = (-1.484 + 2.657 \text{Ln}(\text{D})) * 0.968$ | <i>Lianas</i> (French Guyana) | TAB | Schnitzer et al., (2006) | 1.23 | 424 | Ln |
| $(0.2436 \text{D}^{0.8826}) + (0.0324 \text{D}^{2.663}) + (0.01375 \text{D}^{1.7807}) = (0.2309 \text{D}^{2.0685})$ | <i>Avicennia schaueriana</i> (Pernambuco, Brasil) | Foliage+Branches+Bole=TAB | Medeiros and Sampaio (2007) | 3.4-10.2 | 23 | NL |
| $(0.0479^{2.165}) + (0.0549 \text{D}^{2.5638}) + (0.0499 \text{D}^{2.4911}) = (0.2938 \text{D}^{2.384})$ | <i>Rhizophora mangle</i> (Pernambuco, Brasil) | Foliage+Branches+Bole=TAB | Medeiros and Sampaio (2007) | 2.5-20.7 | 36 | NL |
| $(0.0407^{1.7324}) + (0.0331 \text{D}^{2.609}) + (0.078 \text{D}^{2.227}) = (0.1442 \text{D}^{2.325})$ | <i>Laguncularia racemosa</i> (Pernambuco, Brasil) | Foliage+Branches+Bole=TAB | Medeiros and Sampaio (2007) | 2.1-17.8 | 35 | NL |
| $(0.0341^{2.0687}) + (0.0336 \text{D}^{2.69}) + (0.0633 \text{D}^{2.327}) = (0.1346 \text{D}^{2.325})$ | <i>Avicennia schaueriana</i> , <i>Rhizophora mangle</i> y <i>Laguncularia racemosa</i> (Pernambuco, Brasil) | Foliage+Branches+Bole=TAB | Medeiros and Sampaio (2007) | 2.1-20.7 | 94 | NL |
| $\text{BA} = (345.93 \text{D}^{1.71}) + (9503.73 \text{D}^{2.60}) = (9219.26 \text{D}^{2.48})$ | <i>Clusia hilariana</i> (Rio de Janeiro, se Brasil) | Foliage + Branches = TAB | Dias et al., (2006) | 1.0-40.0 | 15 | NL |
| $\text{TB} = [(0.0013 \text{D}^2 \text{H})^{0.9218}] + [(0.00772 \text{D}^2 \text{H})^{1.0451}] + [(0.00292 \text{D}^2 \text{H})^{1.0172}] + [(0.00101 \text{D}^2 \text{H})^{0.8038}] + [(0.0893 \text{D}^2 \text{H})^{0.5326}]$ | <i>Cedrela odorata</i> > 10 cm (Atlântic Coast, Costa Rica) | Foliage + Bole + Branches + Rachas + Roots | Cole and Ewel (2006) | 1.0-29.4 | 125 | NL |
| $\text{TB} = [(0.039 \text{D}^2 \text{H})^{0.5151}] + [(0.00835 \text{D}^2 \text{H})^{1.0451}] + [(0.08535 \text{D}^2 \text{H})^{0.5345}] + [(0.042 \text{D}^2 \text{H})^{0.6437}]$ | <i>Condia alliodora</i> > 10 cm (Atlântic Coast, Costa Rica) | Foliage + Bole + Branches + Roots | Cole and Ewel (2006) | 1.0-32.1 | 160 | NL |
| $\text{TB} = [(0.0094 \text{D}^2 \text{H})^{0.6910}] + [(0.0046 \text{D}^2 \text{H})^{1.1591}] + [(0.0031 \text{D}^2 \text{H})^{0.9902}] + [(0.0288 \text{D}^2 \text{H})^{0.6924}]$ | <i>Heteromima alcorneoides</i> > 10 cm (Atlântic Coast, Costa Rica) | Foliage + Bole + Branches + Roots | Cole and Ewel (2006) | 1.0-29.6 | 188 | NL |
| $\text{TB} = [(0.0237 \text{D}^2 \text{H})^{0.5121}] + [(0.0314 \text{D}^2 \text{H})^{0.9174}] + [(0.0438 \text{D}^2 \text{H})^{0.388}]$ | <i>Euterpe oleracea</i> > 10 cm (Atlântic Coast, Costa Rica) | Foliage + Bole + Rachas | Cole and Ewel (2006) | 1.0-18.3 | 197 | NL |
| $\text{FTAB} = 0.026 \text{D}^{1.529} \text{H}^{1.747}$ | <i>Tropical trees</i> (Pará, Brasil) | Fresh TAB | Araújo et al., (1999) | <138.0 | 127 | NL |
| $\text{FTAB} = 0.465 \text{D}^{2.202} / (1-\text{M})$ | <i>Tropical trees</i> (Pará, Brasil) | Fresh TAB | Araújo et al., (1999) | <138.0 | 127 | NL |
| $\text{TAB} = [0.3076 + 1.54 \text{Ln}(\text{D})] + 0.0728 + 0.8993 \text{Ln}(\text{D}^2 \text{H})$ | <i>Tropical dry forests</i> (Ponce, Puerto Rico) | Foliage + Branches & Bole | Brandeis et al., (2006) | 3.2-23.2 | 19 | NSUR |
| $\text{TAB} = [0.3894 + 1.665 \text{Ln}(\text{D})] + [0.04895 + 0.977 \text{Ln}(\text{D}^2 \text{H})]$ | <i>Bucida buceras</i> (Ponce, Puerto Rico) | Foliage + Branches & Bole | Brandeis et al., (2006) | 3.8-45.0 | 11 | NSUR |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|--|--|--|--|--|----------------------|-----------------------|
| $[-2.781+2.382\ln(D)]*1.0115]+$ [$-3.314+2.508\ln(D)]*1.0556]+$ [$-3.289+1.575\ln(D)]*1.11]=$ [$-2.119+2.38\ln(D)]*1.014]$ | <i>Dipychandra aurantiaca</i> (Nhecolandia, Brasil) | Bole + Branches + Foliage = TAB | Salis et al., (2006) | 5.0-35.0 | 10 | Ln |
| $[-2.065+2.15\ln(D)]*1.018]+$ [$-3.319+2.076\ln(D)]*1.069]=$ [$-2.083+2.536\ln(D)]$ | <i>Protium heptaphyllum</i> (Nhecolandia, Brasil) | Bole + Branches + Foliage = TAB | Salis et al., (2006) | 8.0-36.0 | 10 | Ln |
| $[-2.525+2.411\ln(D)]+$ [$-4.998+2.342\ln(D)]+=$ [$-2.888+2.795\ln(D)]$ | <i>Magonia pubescens</i> (Nhecolandia, Brasil) | Bole + Branches + Foliage = TAB | Salis et al., (2006) | 7.0-35.0 | 10 | Ln |
| $[-1.38+1.984\ln(D)]+$ [$-5.161+3.195\ln(D)]*1.1839]+$ [$-4.074+1.967\ln(D)]*1.19]=$ [$-1.915+2.409\ln(D)]*1.015]$ | <i>Terminalia argentea</i> (Nhecolandia, Brasil) | Bole + Branches + Foliage = TAB | Salis et al., (2006) | 6.0-31.0 | 10 | Ln |
| $[(0.031D^2.556)+[(0.0140D^2.076)]+[(0.030D^1.532)]]=$ [$-2.265+2.386\ln(D)]$ | <i>Licania minutiflora</i> (Nhecolandia, Brasil) | Bole + Branches + Foliage = TAB | Salis et al., (2006) | 10.0-36.0 | 10 | LN,NL |
| $[(0.0339D^{1.836})+[(0.011D^{2.905})]+[(0.0001D^{3.756})]]=$ [$-2.566+2.533\ln(D)]$ | Grup of 11 pantanal species (Nhecolandia, Brasil) | Bole + Branches + Foliage = TAB | Salis et al., (2006) | 6.0-27.0 | 11 | LN,NL |
| $\ln(\text{TAB}) = -2.286 + 2.471 \ln(D) + 0.091$ $\ln(\text{TAB}) = 2.232 + 2.422 \ln(D) + 0.083$ | Primary Tropical Forests (Porce, Colombia) Secondary Tropical forests (Porce, Colombia) | TAB | Sierra et al., (2007) | 0.5-198.0 | 140 | Ln |
| $\ln(\text{BRc}) = -4.394 + 2.693 \ln(D) + 0.316$ | Primary and Secondary tropical forests Bosques tropicales Primarios y Secundarios (Porce, Colombia) | Coarse Roots | Sierra et al., (2007) | 1.7-64.6 | 49 | Ln |
| $\text{TAB} = 139.48 + 7.308H^{1.133}$ $\ln(\text{TAB}) = 0.360 + 1.218 \ln(H) + 0.325$ $\ln(\text{TAB}) = 0.028 + 1.841 \ln(D) + 0.133$ $\ln(\text{BRc}) = 4.273 + 2.631 \ln(D)$ | <i>Oenocarpus batuna</i> (Porce, Colombia) Other Palms (Porce, Colombia) Lianas (Porce, Colombia) Roots of Primary and secondary tropical Forests | TAB TAB TAB Coarse Roots | Sierra et al., (2007) Sierra et al., (2007) Sierra et al., (2007) Sierra et al., (2001) | 50.0-250.0 100.0-150.0 1.0-11.0 ? | 83 37 33 39 | NL Ln Ln Ln |
| $(-0.84+2.4796\ln(D))+(-2.4131+2.6506\ln(D))+$ [$-3.6361+3.8751\ln(D)]+(-2.5559+2.4669\ln(D))$ [$-0.3074+2.1289\ln(D)]+(-2.0618+2.4706\ln(D))+$ [$-2.8670+3.2783\ln(D)]+$ [$-3.2587+2.9908\ln(D)]+(-0.1849+1.2780\ln(D))$ | <i>Araucaria angustifolia</i> (Parana, Brasil) <i>Pinus taeda</i> (Paraná, Brazil) | Fresh weight (bole+foliage+branches)+ branches2) Fresh weight (bole+foliage+branches)+ branches2+roots) | Farinha-Watzlawick et al., (2001) Sanquetta et al., (2002) | 23-33-yr-old | 16 | Ln |
| $[-1.602+2.299\ln(D)]*1.015+[-5.526+3.026\ln(D)]*1.191+[-7.928+3.451\ln(D)]*1.408=$ [$-1.648+2.392\ln(D)]*1.013$ | <i>Terminalia amazonia</i> (Costa Rica) | Bole+Branches+Foliage=TAB | Montero and Kämnen (2005) | 7.7-28.0 | 35 | Ln |

Table I. Continued.

| Allometric Equation | Species or Group of Species (Place) | Biomass Compartment | Reference | Diameter Range | N | Statistical Technique |
|---|---|----------------------------------|----------------------------------|----------------|-----|-----------------------|
| $TAB = 0.01689D^{1.6651} H^{1.4412}$ | Esciófitas species (Heredia, Costa Rica) | TAB | Ortíz (1997) | 4.0-11.50 | 100 | NL |
| $TAB = 0.01363D^{1.8520} H^{1.2611}$ | Partial esciófitas & heliófitas species (Heredia, Costa Rica) | TAB | Ortíz (1997) | 12.0-110.0 | 100 | NL |
| $(5.66D^{1.70}) + (3.40D^{1.70}) + (4.59D^{1.36}) = (6.02D^{1.64})$ | <i>Bambusa oldhamii</i> (Huatusco, Veracruz, México) | (bole)+(branch)+(foliage)=(TA B) | Castañeda-Mendoza et al., (2004) | 4.0-10.0 | 88 | Ln |
| $TAB=0.1278D^{2.3635}$ | <i>Acacia mangium</i> (Cauca, Colombia) | TAB | Giraldo et al., (2007) | 10-yr-old | 55 | Ln |
| $\ln(Brc)=2.8633+2.1256\ln(D)$ | <i>Acacia mangium</i> (Cauca, Colombia) | Coarse Roots | Giraldo et al., (2007) | 10-yr-old | 52 | Ln |
| $(6.8414Db^{2.086}) + (2.7340Db^{2.1837}) + (2.7402Db^{1.9408})$ | <i>Bactris gasipaes</i> (Atlantic Region, Costa Rica) | (foliage) + (Bole) + (twig) | Ares et al., (2002) | 1.0-9.0 | 129 | NSUR |
| $\ln(TAB)=-2.2862+2.4709\ln(D)$ | <i>Primary Tropical Forests</i> (Porce, Colombia) | TAB | Zapata et al., (2001) | 0.28-198.8 | 144 | Ln |
| $\ln(TAB)=-2.3099+2.4751\ln(D)$ | <i>Primary tropical Forests</i> (Bisley, Luquillo, Puerto Rico) | TAB | Scatena et al., (1993) | 2.5-57.0 | 63 | Ln |
| $\ln(TAB)=-2.3055+2.2911\ln(D)$ | <i>Primary Tropical Forests</i> (Caquetá, Colombia) | TAB | Alvarez (1993) | 2.0-130.0 | 140 | Ln |
| $\ln(TAB)=-2.749+2.634\ln(D)$ | <i>Primary tropical Forests</i> (El Verde, Puerto Rico) | TAB | Crow (1980) | >4.0 | 33 | Ln |
| $\ln(TAB)=-1.754+2.605\ln(D)$ | <i>Primary tropical forests</i> (Manaus, Amazonia, Brazil) | TAB | Higuchi et al., (1998) | 5.0-20.0 | 244 | Ln |
| $\ln(TAB)=-1.497+2.548\ln(D)$ | <i>Primary tropical forests</i> (Manaus, Amazonia, Brazil) | TAB | Higuchi et al., (1998) | 5.0-120.0 | 315 | Ln |
| $\ln(TAB)=-0.151+2.17\ln(D)$ | <i>Primary tropical forests</i> (Manaus, Amazonia, Brazil) | TAB | Higuchi et al., (1998) | >20.0 | 28 | Ln |
| $\ln(TAB)=-2.14+1.33\ln(BA)$ | <i>Primary Tropical Forests</i> (Amazonia inundable, Colombia) | TAB | Alvarez et al., (2001) | ?? | ?? | Ln |
| $\ln(TAB)=-3.50+1.55\ln(BA)$ | <i>Palm Forests</i> (Amazonia inundable, Colombia) | TAB | Alvarez et al., (2001) | ?? | ?? | Ln |
| $\ln(TAB)=0.57+0.99\ln(BA)$ $T=142; Spp=85; Forests=57; Sp=50.$ | <i>Lianas</i> (Amazonia inundable, Colombia) | TAB | Alvarez et al., (2001) | ?? | ?? | Ln |

DB = Basal diameter (cm); TAB = Total Aboveground Biomass; BRc = Biomass of coarse roots; TB = Total Biomass (Above + Belowground biomass); TF = Total foliage biomass; TSB = Total Bole and Branch biomass; C = Crown biomass; TNF = Total new foliage; FTcc = Total Bole + Bark biomass; FTsc = Total Bole no bark biomass; FLcc = Bole + bark biomass; FLsc = Bole no bark biomass; SF = Bole bark biomass; G = Basal Area (m²/ha-1); pi = tree Basic specific gravity, pw = average Basic specific gravity, M = Word water content (water content / mass of fresh wood). **Diameter reported is at ground level; DBH is easily estimated by dividing DGL / 1.3335; D = Diameter at breast height (1.30 or 1.37 m); BA = Basal area.