

**Table 1. Population characteristics of the 20 most abundant tree species of the Amazon.** Mean estimated population sizes of the 20 most abundant tree species in Amazonia and the empirical abundance and frequency data on

which the estimates were based. Median values for the 207 other hyperdominant species and for the 4735 other valid species in the data set are provided for comparison. Data on all species can be found in appendix S1.

Species	Mean estimated population in the Amazon	SD estimated population (%)	No. trees in data set	% of all plots where present	Maximum abundance recorded (trees/ha)
<i>Euterpe precatória</i>	$5.21 \times 10^9$	9.9	5903	32.7	168
<i>Protium altissimum</i>	$5.21 \times 10^9$	18.0	5889	15.6	128
<i>Eschweilera coriacea</i>	$5.00 \times 10^9$	5.6	9047	47.9	28
<i>Pseudolmedia laevis</i>	$4.30 \times 10^9$	8.9	5285	36.1	121
<i>Iriartea deltoidea</i>	$4.07 \times 10^9$	13.1	8405	18.5	169
<i>Euterpe oleracea</i>	$3.78 \times 10^9$	17.5	8572	7.4	397
<i>Oenocarpus bataua</i>	$3.71 \times 10^9$	10.7	4767	29.9	108
<i>Trattinnickia burserifolia</i>	$2.78 \times 10^9$	29.4	3023	10	125
<i>Socratea exorrhiza</i>	$2.68 \times 10^9$	10.8	863	28.6	82
<i>Astrocaryum murumuru</i>	$2.41 \times 10^9$	11.2	5748	16.7	325
<i>Brosimum lactescens</i>	$2.28 \times 10^9$	10.0	2234	28.2	106
<i>Protium heptaphyllum</i>	$2.13 \times 10^9$	32.2	1365	11.3	169
<i>Eperua falcata</i>	$1.95 \times 10^9$	15.8	1898	10.9	266
<i>Hevea brasiliensis</i>	$1.91 \times 10^9$	15.5	6031	14.8	179
<i>Eperua leucantha</i>	$1.84 \times 10^9$	32.3	1453	1.4	282
<i>Helicostylis tomentosa</i>	$1.79 \times 10^9$	25.6	1948	36.5	89
<i>Attalea butyracea</i>	$1.78 \times 10^9$	16.2	2561	5.8	73
<i>Rinorea guianensis</i>	$1.69 \times 10^9$	18.6	1243	13.7	182
<i>Licania heteromorpha</i>	$1.57 \times 10^9$	14.4	2483	35	173
<i>Metrodorea flavida</i>	$1.55 \times 10^9$	14.7	1326	7.7	128
Median of other hyperdominant species	$5.79 \times 10^8$		808	11.4	60
Median of non-hyperdominant species	$1.11 \times 10^7$		15	0.5	5