**Allometric Coefficients for Common Species of North American Trees**

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| **Tree Species**  | **a** | **b** |
| Ash | 0.16 | 2.35 |
| Aspen  | 0.05 | 2.51 |
| Balsam fir | 0.07 | 2.50 |
| Basswood | 0.09 | 2.35 |
| Beech | 0.20 | 2.39 |
| Birch, Black/Sweet |  0.06 | 2.66 |
| Birch, Yellow | 0.09 | 2.59 |
| Cedar, Red | 0.10 | 2.30 |
| Cedar, Northern White | 0.09 | 2.23 |
| Cherry, Black | 0.07 | 2.62 |
| Cherry, Sweet | 0.16 | 2.19 |
| Flowering dogwood | 0.08 | 2.63 |
| Elm, American | 0.06 | 2.66 |
| Elm, slippery/red | 0.06 | 2.66 |
| Hackberry | 0.08 | 2.63 |
| Hemlock | 0.06 | 2.45 |
| Hickory, mockernut | 0.08 | 2.63 |
| Hickory, pignut | 0.08 | 2.63 |
| Hickory, shagbark | 0.08 | 2.63 |
| Hop hornbeam | 0.08 | 2.63 |
| Hornbeam | 0.08 | 2.63 |
| Locust, Black | 0.08 | 2.63 |
| Maple, Red | 0.09 | 2.51 |
| Maple, Sugar | 0.21 | 2.53 |
| Oak, black | 0.09 | 2.51 |
| Oak, chestnut | 0.05 | 2.73 |
| Oak, red | 0.11 | 2.46 |
| Oak, white | 0.06 | 2.69 |
| Pine, white | 0.16 | 2.14 |
| Pine, Red  | 0.78 | 2.38 |
| Sumac, Staghorn | 0.08 | 2.47 |

Sources of data:

\*Yale University - [http://www.yale.edu/fes519b/saltonstall/biomass2.html - estimate](http://www.yale.edu/fes519b/saltonstall/biomass2.html#estimate)

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Note:

\* Values have been rounded down to two decimal places for the purpose of this activity.

\* Values of allometric coefficients may change as forestry scientists continue to refine their methods.