

## Wood Heating and Weight Values

| Species                | Btu/Cord*   | Cord Weight<br>(pounds) ** | Cord Weight<br>(pounds) ** |
|------------------------|-------------|----------------------------|----------------------------|
|                        |             | DRY                        | GREEN                      |
| Alder, Red             | 18.4 - 19.5 | 2000 - 2600                | 3200 - 4100                |
| Ash                    | 24.5 - 26.0 | 2680 - 3450                | 4630 - 5460                |
| Aspen                  | 17.0 - 18.0 | 1860 - 2400                | 3020 - 3880                |
| Beech, American        | 28.6 - 30.4 | 3100 - 4000                | 4890 - 6290                |
| Birch                  | 25.9 - 27.5 | 2840 - 3650                | 4630 - 5960                |
| Cedar, Incense         | 17.8 - 20.1 | 1800 - 2350                | 3020 - 3880                |
| Cedar, Port Orford     | 20.7 - 23.4 | 2100 - 2700                | 3400 - 4370                |
| Cherry                 | 22.3 - 23.7 | 2450 - 3150                | 4100 - 5275                |
| Chinquapin             | 23.2 - 24.7 | 2580 - 3450                | 3670 - 4720                |
| Cottonwood             | 15.8 - 16.8 | 1730 - 2225                | 2700 - 3475                |
| Dogwood                | 28.6 - 30.4 | 3130 - 4025                | 5070 - 6520                |
| Douglas-Fir            | 23.5 - 26.5 | 2400 - 3075                | 3930 - 5050                |
| Elm                    | 22.3 - 23.7 | 2450 - 3150                | 4070 - 5170                |
| Eucalyptus             | 32.5 - 34.5 | 3550 - 4560                | 6470 - 7320                |
| Fir, Grand             | 17.8 - 20.1 | 1800 - 2330                | 3020 - 3880                |
| Fir, Red               | 18.3 - 20.6 | 1860 - 2400                | 3140 - 4040                |
| Fir, White             | 18.8 - 21.1 | 1900 - 2450                | 3190 - 4100                |
| Hemlock, Western       | 21.6 - 24.4 | 2200 - 2830                | 4460 - 5730                |
| Juniper, Western       | 23.4 - 26.4 | 2400 - 3050                | 4225 - 5410                |
| Laurel, California     | 24.6 - 26.1 | 2690 - 3450                | 4460 - 5730                |
| Locust, Black          | 29.5 - 31.4 | 3230 - 4150                | 6030 - 7750                |
| Madrone                | 29.1 - 30.9 | 3180 - 4086                | 5070 - 6520                |
| Magnolia               | 22.3 - 23.7 | 2440 - 3140                | 4020 - 5170                |
| Maple, Big Leaf        | 21.4 - 22.7 | 2350 - 3000                | 3840 - 4940                |
| Maple, Hard (sugar)    | 29 ?        | 4000 ??                    | 4000 -5000 ?               |
| Maple, Red             | 24 ?        | 3200 ??                    | (added)                    |
| Oak, Black             | 25.8 - 27.4 | 2821 - 3625                | 4450 - 5725                |
| Oak, Live              | 34.4 - 36.6 | 3766 - 4840                | 6120 - 7870                |
| Oak, White             | 26.4 - 28.0 | 2880 - 3710                | 4890 - 6290                |
| Pine, Jeffery          | 19.3 - 21.7 | 1960 - 2520                | 3320 - 4270                |
| Pine, Lodgepole        | 19.7 - 22.3 | 2000 - 2580                | 3320 - 4270                |
| Pine, Ponderosa        | 19.3 - 21.7 | 1960 - 2520                | 3370 - 4270                |
| Pine, Sugar            | 17.3 - 19.6 | 1960 - 2270                | 2970 - 3820                |
| Redwood, Coast         | 17.8 - 20.1 | 1810 - 2330                | 3140 - 4040                |
| Spruce, Sitka          | 19.3 - 21.7 | 1960 - 2520                | 3190 - 4100                |
| Sweetgum (Liquidambar) | 20.6 - 21.9 | 2255 - 2900                | 4545 - 5840                |
| Sycamore               | 21.9 - 23.3 | 2390 - 3080                | 4020 - 5170                |
| Tanoak                 | 25.9 - 27.5 | 2845 - 3650                | 4770 - 6070                |
| Walnut, Black          | 24.5 - 26.0 | 2680 - 3450                | 4450 - 5725                |
| Western Red Cedar      | 15.4 - 17.4 | 1570 - 2000                | 2700 - 3475                |
| Willow, Black          | 17.5 - 18.6 | 1910 - 2450                | 3140 - 4040                |

\* British thermal unit (Btu) values based on specific gravity of 80 cubic feet per cord.  
8000 to 8500 Btu per pound for non resinous woods. 8600 to 9700 Btu per pound

for resinous woods.

**\*\* Weights:**

- \* Lower value of range assumes 70 cubic feet of wood per cord.
- \* Higher value of range assumes 90 cubic feet of wood per cord.
- \* Dry weight at 12 percent moisture content.
- \* Green weight at 40 to 60 percent moisture content.

All moisture contents based on "wet" wood basis.

NOTE: Hard Maple and Sugar Maple were not in the original table values were added from another source. Accuracy of these two species is questionable, since they may not be measured in same way or same MC.