

## Firewood Characteristics

| Species              | Weight (lbs./Cord) |      | Heat/ Cord (1,000,000 BTU'S) | Ease of Splitting | Smoke  | Sparks | Coals     | Fragrance | Overall Quality |
|----------------------|--------------------|------|------------------------------|-------------------|--------|--------|-----------|-----------|-----------------|
|                      | Green              | Dry  |                              |                   |        |        |           |           |                 |
| Apple                | 4850               | 3888 | 27.0                         | Medium            | Low    | Few    | Good      | Excellent | Excellent       |
| Ash, Green           | 4184               | 2880 | 20.0                         | Easy              | Low    | Few    | Good      | Slight    | Excellent       |
| Ash, White           | 3952               | 3472 | 24.2                         | Medium            | Low    | Few    | Good      | Slight    | Excellent       |
| Basswood (Linden)    | 4404               | 1984 | 13.8                         | Easy              | Medium | Few    | Poor      | Good      | Fair            |
| Birch, Paper         | 4312               | 2992 | 20.8                         | Medium            | Medium | Few    | Good      | Slight    | Fair            |
| Boxelder             | 3589               | 2632 | 18.3                         | Difficult         | Medium | Few    | Poor      | Slight    | Fair            |
| Buckeye, Ohio        | 4210               | 1984 | 13.8                         | Medium            | Low    | Few    | Poor      | Slight    | Fair            |
| Catalpa              | 4560               | 2360 | 16.4                         | Difficult         | Medium | Few    | Good      | Bad       | Fair            |
| Cherry, Black        | 3696               | 2928 | 20.4                         | Easy              | Low    | Few    | Excellent | Excellent | Good            |
| Coffeetree, Kentucky | 3872               | 3112 | 21.6                         | Medium            | Low    | Few    | Good      | Good      | Good            |
| Cottonwood           | 4640               | 2272 | 15.8                         | Easy              | Medium | Few    | Good      | Slight    | Fair            |
| Douglas-Fir          | 3319               | 2970 | 20.7                         | Easy              | High   | Few    | Fair      | Slight    | Good            |
| Elm, American        | 4456               | 2872 | 20.0                         | Difficult         | Medium | Few    | Excellent | Good      | Fair            |
| Elm, Red             | 4800               | 3112 | 21.6                         | Easy              | Medium | Few    | Excellent | Good      | Good            |
| Elm, Siberian        | 3800               | 3020 | 20.9                         | Difficult         | Medium | Few    | Good      | Fair      | Fair            |
| Hackberry            | 3984               | 3048 | 21.2                         | Easy              | Low    | Few    | Good      | Slight    | Good            |
| Hickory, Bitternut   | 5032               | 3832 | 26.7                         | Medium            | Low    | Few    | Excellent | Excellent | Excellent       |
| Hickory, Shagbark    | 5104               | 3952 | 27.5                         | Difficult         | Low    | Few    | Excellent | Excellent | Excellent       |
| Honeylocust          | 4640               | 3832 | 26.7                         | Easy              | Low    | Few    | Excellent | Slight    | Excellent       |
| Ironwood             | 4590               | 4016 | 27.9                         | Difficult         | Medium | Few    | Excellent | Slight    | Excellent       |
| Locust, Black        | 4616               | 4016 | 27.9                         | Difficult         | Low    | Few    | Excellent | Slight    | Excellent       |
| Maple, Other         | 4685               | 3680 | 25.5                         | Easy              | Low    | Few    | Excellent | Good      | Excellent       |
| Maple, Silver        | 3904               | 2752 | 19.0                         | Medium            | Low    | Few    | Excellent | Good      | Fair            |
| Mulberry             | 4712               | 3712 | 25.8                         | Easy              | Medium | Many   | Excellent | Good      | Excellent       |
| Oak, Bur             | 4960               | 3768 | 26.2                         | Easy              | Low    | Few    | Excellent | Good      | Excellent       |
| Oak, Red             | 4888               | 3528 | 24.6                         | Medium            | Low    | Few    | Excellent | Good      | Excellent       |
| Oak, White           | 5573               | 4200 | 29.1                         | Medium            | Low    | Few    | Excellent | Good      | Excellent       |

|                     |      |      |      |           |        |      |           |           |           |
|---------------------|------|------|------|-----------|--------|------|-----------|-----------|-----------|
| Osage-Orange        | 5120 | 4728 | 32.9 | Easy      | Low    | Many | Excellent | Excellent | Excellent |
| Pine, Eastern White | 2780 | 2250 | 15.6 | Medium    | Medium | Few  | Poor      | Good      | Fair      |
| Red cedar, Eastern  | 2950 | 2632 | 18.2 | Medium    | Medium | Many | Poor      | Excellent | Fair      |
| Sycamore            | 5096 | 2808 | 19.5 | Difficult | Medium | Few  | Good      | Slight    | Good      |
| Walnut, Black       | 4584 | 3192 | 22.2 | Easy      | Low    | Few  | Good      | Good      | Excellent |
| Willow              | 4320 | 2540 | 17.6 | Easy      | Low    | Few  | Poor      | Slight    | Poor      |

### **Five Best Burning Species**

- Hickory - 31 to 32 mm btu/cord
- Oak - 30 to 31 mm btu/cord
- Black Locust - 28 mm btu/cord
- Beech - 27 mm btu/cord
- Elms/Maples - 21 to 26 mm btu/cord

### **Five Worst Burning Species**

- White Pine - 15 mm btu/cord
- Cottonwood/Willow - 16 mm btu/cord
- Hemlock - 17 mm btu/cord
- Sassafras - 18 mm btu/cord
- Yellow Poplar - 18 mm btu/cord