

# SUMMARY OF GROWTH RATES AND YIELDS OF COMMON NEW HAMPSHIRE FOREST TYPES

**Table 1.** Very general growth and volume estimates for sawtimber stands in forest types of New Hampshire. Growth and volumes vary widely depending on site conditions, stand age, management intensity, species composition and stocking. Volume estimates also vary with product specifications, especially for softwood species. For additional information, use the references listed below the table.

| Growth Measure                             | Northern Hardwood | Red Oak      | White Pine    | Hemlock       | Spruce-fir    |
|--|-------------------|--------------|---------------|---------------|---------------|
| Annual Basal Area Growth/acre (sq.ft.)     | 1.0-2.2           | 1.0-2.5      | 1.5-3.5       | 2.0-2.7       | 2.0-3.0       |
| Annual Board-foot growth/acre              | 100-275           | 150-400      | 300-1,200     | 150-250       | 150-250       |
| Annual cubic-foot growth/acre              | 25-55             | 30-60        | 50-90         | 40-65         | 40-65         |
| Annual diameter growth (inches)            | 0.05-0.20         | 0.10-0.25    | 0.10-0.40     | 0.10-0.30     | 0.10-0.20     |
| Mature* gross standing volume (board feet) | 10,000-15,000     | 5,000-15,000 | 10,000-50,000 | 15,000-20,000 | 15,000-30,000 |
| Mature* gross standing volume (cubic feet) | 2,500-4,000       | 3,000-5,000  | 6,000-9,000   | 4,500-5,500   | 4,000-6,000   |

\*Mature: Refers to financial maturity (see 2.3 Regeneration Methods). Larger trees about 12-16 inches (spruce-fir) and 18-24 inches (other types).

## ADDITIONAL INFORMATION

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