

SEED SOURCE AND GROWTH RATE EFFECTS ON WOOD QUALITY  
IN NORWAY SPRUCE (PICEA ABIES L.)

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Wood specific gravity and fiber length were evaluated in five fast-grown and five slow-grown trees from each of six Norway spruce provenances planted in a single block design in New York. Significant effects were observed for growth rate on specific gravity and for cambial age upon fiber length. The differences between provenances were judged nonsignificant when variation due to age and growth rate was removed from the error term. Significant positive correlations were observed between juvenile and mature specific gravity, and between fiber length and growth rate; a significant negative correlation was obtained between growth rate and specific gravity.

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