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[TOP](#) > [Available Issues](#) > [Table of Contents](#) > [Abstract](#)

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[\[PDF \(1352K\)\]](#) [\[References\]](#)

Mechanism of Regulation of Cambial Activity in Trees

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Abstract: The quantity and quality of wood are controlled by cambial cell division and the process of xylem differentiation of cambial derivatives. This paper summarizes cell biological and tree physiological observations to understand the mechanism of regulation of wood formation. In particular, the roles of plant hormones in the control of seasonal changes in cambial activity are reviewed.

Keywords: auxin, cambium, plant hormones, secondary xylem, wood formation



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