Other lines of investigation have highlighted the importance of water transport sectoriality(Zanne et al., 2006; Schenk et al., 2008) and showed that this syndrome occurs more frequently under particular environmental conditions. Loepfe et al.(2007) used graph theory to model xylem properties as a network of interconnected elements. They employed their model to assess the signifi cance of conduit connectivity on Other lines of investigation have highlighted the importance of water transport sectoriality(Zanne et al., 2006; Schenk et al., 2008) and showed that this syndrome occurs more frequently under particular environmental conditions. Loepfe et al.(2007) used graph theory to model xylem properties as a network of interconnected elements. They employed their occurs more frequently under particular environmental conditions. Loepfe et al.(2007) used graph theory to model xylem properties as a network of interconnected elements. They employed their model to assess the signifi cance of conduit connectivity and P50, the pressure at which 50% of the conductive capacity is lost because of xylem embolism(Tyree et al., 1994).

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