

UrbanCrowns - A Software tool for Monitoring Trees Using Side-View Digital Photographs

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ABSTRACT

UrbanCrowns is a software tool developed by the U.S. Forest Service Southern Research Station that can be used to assess and monitor trees. The program analyzes a single, side-view digital photograph of a tree and computes the following crown metrics: height, diameter, ratio, volume, density, and transparency. UrbanCrowns can be used to monitor tree crowns over time to provide tree growth information and early detection of disease, insect, or storm damage.