

Time cycle to wood from tree in Turkey

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Abstract: Harvesting of a tree is a process to difficult and time consuming. The harvesting process is occurred different stages. The stages are cutting of tree, delimiting, skidding, landing and transporting. This stages are be up to as a chain. The production plans are done for every stages. In this study was done Şile and Adrasan Forest Enterprises regions. The tree types are *Pinus maritima* and *Pinus brutia*, respectively. The stand in Şile Forest Enterprise is *Pinus maritima* plantation area and another stand is forest fire area. The time measurements in every areas were investigated for harvesting stages as cutting, delimiting etc. Firstly, the average of tree length and tree diameter (dbh) was found for every areas. Then, the harvesting stages were investigated with time measurements. The equipment was investigated of use to every stages in study areas. For cutting and delimiting, skidding and transporting were used motor chain, tractor and truck, respectively. As a result, production time of a tree is revealed. The delay times were found for every stages and the various suggestions were revealed. Besides, environmental impacts were investigated to every stages for harvesting operations.

Keywords: Time measurement, Cutting, Delimiting, Skidding, Landing, Transporting