

Growth and increment of Oak (*Quercus L.*) stands in Bursa

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Abstract: Most of the forests, managed as coppice forest, are composed of pure oak or mixed oak stands over the country. Oaks (*Quercus L.*) which has a very wide distribution area in Anatolia and Thrace, is divided into three. White Oak, Red Oak and Evergreen Oak are very different from each other in their growth, development and silvicultural properties. Despite these differences, it has not been studied enough and almost all the forestry work that was done by the oaks, was carried out based on the genus. Research area which is the oak stands of the Bursa Forest District Directorate is 22.1% of the general forest area, according to 2012 data. In this study, increment and growth relationships of oak (*Quercus sp.*) forests of Bursa Forest District Directorate in same ages, densities and site indexes were examined. Results indicate that differences in growth and increment patterns between oak species have been identified. In this way, it is recommended that forest inventory and planning, yield and volume tables, should be done on oak species.

Keywords: Growth, Increment, *Quercus*, Site quality, Yield tables