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
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The Cleavage Strength of Calabrian Pine (*Pinus brutia* Ten.) Woods Growing Naturally in Different Ecological Regions of Turkey

İbrahim BEKTAŞ, Ahmet TUTUŞ

Sütçü İmam Üniversitesi, Orman Fakültesi, Orman Endüstri Mühendisliği Bölümü,
Kahramanmaraş-TÜRKİYE

 [Keywords](#)
 [Authors](#)



agric@tubitak.gov.tr

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Abstract: In this study, the test trees were taken from natural growth sites that calabrian pine grows optimally had been used as research material. The main aim of study is to determine cleavage strength variation to find in different growing regions. Test trees of 20 in number were collected from 5 different regions (Suçatı - Kahramanmaraş, Edremit - Balıkesir, Kemalpaşa - İzmir, Yılanlı- Muğla, Melli (Bucak) - Burdur). Test samples were prepared from stem part of trees between at a height of 2 and 4 meters. The effect of factors growing region on the cleavage strength of trees was tested by using the varians analysis and Duncan test. The relation between cleavage strength and oven-dry specific gravity was determined by using regression analysis. The analyses showed that the cleavage strength was effected significantly by the growing location. As a result of measurements, the average values of cleavage strength, oven-dry specific gravity and late wood ratio has been determined as 5.4 kg/cm², 0.511 g/cm³ and 23.09 %.

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