



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**Determining the Efficiency of Forward-Sloped Bench Terraces on Soil
Conservation: The Case of the Aydın-Bozdoğan-Alamut Terracing Area**

 [Keywords](#)
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Alaettin TAYSUN Ege Üniversitesi, Ziraat Fakültesi, Toprak Bölümü, 35100-Bornova, İzmir -TÜRKİYE Halil Baki ÜNAL, Altan ŞAHİN Ege Üniversitesi, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, 35100-Bornova, İzmir -TÜRKİYE Hasan Zafer VURGUN Köy Hizmetleri Aydın İl Müdürlüğü, Aydın-TÜRKİYE Abstract : The study was carried out to determine the efficiency of forward-sloped bench terraces on soil conservation in the Aydın- Bozdoğan-Alamut terracing area. For this purpose, the shape specifications, and physical and chemical properties of the soil that belong to the sample terraces in the project area were determined and the factors of K and LS that are needed for calculating soil losses were found through the Universal Soil Losses Equation. According to the evaluation, especially the determined factors of K and LS were higher for the sample terraces interfered with by farmers and this result shows that the probable soil erosion will increase in these terraces. The statistical relationships among the soil properties as well as the relationships between the soil properties and the factor K were determined. The relationships which were found to be significant pointed out the criteria for effective soil conservation in terracing projects.

Key Words: erosion, bench terrace, soil conservation

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