Effect of defoliation on yield and water use efficiency of maize (Zea mays L.)

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Abstract

The effect of defoliation on yield and water use efficiency of maize (Zea mays L.) was studied at the Agriculture Research Station, University of Jordan. The experiment was conducted under rainfed conditions with four levels of defoliation: 0, 25, 50, and 75%. The results showed that defoliation significantly reduced yield and water use efficiency. The 75% defoliation treatment resulted in the greatest reduction in both yield and water use efficiency. The 25% defoliation treatment had the least effect on yield and water use efficiency.

Key Words: Defoliation, Yield, Water Use Efficiency, Maize

References