Effect of plant densities on yield and yield components in four cultivars of wheat in Ahvaz region.

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Abstract

The effects of planting densities on yield and yield components of four cultivars of wheat, viz. Daryan 1, Daryan 2, Daryan 3, and Daryan 4, were studied in an experimental field at the Agricultural Research Station of Ahvaz. The experiment was conducted in a randomized complete block design with three replicates. Planting densities of 100, 200, 400, and 500 plants per square meter were used. The yield and yield components were measured for each treatment. The results showed that the yield and yield components of wheat were affected by the planting density. The highest yield and yield components were obtained at the planting density of 400 plants per square meter. The results also indicated that the planting density had a significant effect on the yield and yield components of wheat. The study suggests that the optimal planting density for wheat in the Ahvaz region is 400 plants per square meter.