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

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In a randomized complete block design, four cultivars of wheat were cultivated at six densities of plant population in the Ahvaz region. The effects of plant density on yield and yield components were investigated. The results showed that the yield of wheat cultivars was significantly affected by plant density. The highest yield was obtained in Oryza var. semicolorata at a plant density of 200,000 plants per ha. The yield components, such as spikes per plant, grains per spike, and 1000-grain weight, were also significantly affected by plant density. The highest values of these components were obtained at a plant density of 200,000 plants per ha. The results indicated that the yield and yield components of wheat cultivars can be increased by adjusting the plant density within the recommended range.