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

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Introduction

The effect of plant densities on yield and yield components in four cultivars of wheat (Triticum aestivum L.) in the Ahvaz region was studied. The experiment was conducted in a factorial design with three replications. The treatments included four cultivars (Boroujeni, Shamsi, Marand, and Ahvaz) and five plant densities (200, 400, 600, 800, and 1000 plants per square meter). The yield and yield components were measured after harvest.

Results and Discussion

The results showed that the cultivar and plant density significantly affected the yield and yield components. The highest yield and yield components were observed in the cultivar Boroujeni at a plant density of 600 plants per square meter. The yield and yield components decreased as the plant density increased.

Conclusion

The results of this study demonstrated that the cultivar and plant density significantly affect the yield and yield components in wheat. Therefore, selecting the appropriate cultivar and plant density is crucial for optimizing wheat production in the Ahvaz region.