Effect of tiller number per plant on grain yield and yield components of durum wheat at different planting densities

Abdolakbar Rafaei, A. Mousavi, and H. Derakhshandeh

The effect of tiller number per plant on grain yield and yield components of durum wheat at different planting densities was investigated. In a split-plot design, five tiller numbers (20, 30, 40, 50, and 60 per plant) and five planting densities (60, 90, 120, 150, and 180 plants/m²) were applied. The results showed that increasing tiller number per plant led to increased grain yield and yield components. The highest yield was obtained at 50 tillers/plant and 150 plants/m². This study highlights the importance of optimizing tiller number and planting density to achieve maximum grain yield in durum wheat.