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

Tomohiro Hasegawa, Yuji Soejima, Shigeki Inoue, Shigeyasu Kinokawa, Shigeru Ishida

ABSTRACT

The effects of tiller number per plant on grain yield and yield components of durum wheat were investigated at different planting densities. The results showed that increasing tiller number per plant increased grain yield and yield components, but the effect was not linear. Optimal tiller number per plant varied with planting density and was found to be greater at the higher densities. The results suggest that controlling tiller number may be an effective strategy for increasing durum wheat yield and yield components. The implications of these findings for durum wheat production and management are discussed.

KEYWORDS

tiller number, grain yield, yield components, planting density, durum wheat