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Effects of Trinexapac-Ethyl on different wheat varieties under desert conditions of Mexico

PDF (Size: 193KB) PP. 658-662 DOI: 10.4236/as.2012.35079

Author(s)

Raúl Leonel Grijalva-Contreras, Rubén Macías-Duarte, Gerardo Martínez-Díaz, Fabián Robles-Contreras, Fidel Nuñez-Ramírez

ABSTRACT

A field study was conducted to determine the effect of Trinexapac-Ethyl (TE) on four wheat varieties (Rafi C97, Altar C84, Nacori C97 and Rayon F86) at three growth stages (first node, second node and flag leaf). TE application (150 g a.i. ha⁻¹) reduced plant height and decreased grain yield at any growth stage. Yield decrease was associated to a significant reduction in the number of grains per spike and in grain weight. TE delayed flowering time and grain maturity, while stem diameter and spikes m⁻² were not affected. Further studies are needed to clarify the effect of TE on wheat under desert conditions of Mexico.

KEYWORDS

Growth Regulators; Moddus; Yield; Plant Height; Lodging

Cite this paper

Grijalva-Contreras, R. , Macías-Duarte, R. , Martínez-Díaz, G. , Robles-Contreras, F. and Nuñez-Ramírez, F. (2012) Effects of Trinexapac-Ethyl on different wheat varieties under desert conditions of Mexico. *Agricultural Sciences*, 3, 658-662. doi: 10.4236/as.2012.35079.

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