

## Effects of Cycocel Rate and Time of Application on Performance of Two Bread Wheat Cultivars

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### Abstract

A field study was conducted during 1991 and 1992 growing seasons at Deirab Agricultural Experimental Station to assess the effects of cycocel(CCC) on grain yield and other agronomic traits of two irrigated bread wheat (Triticum aestivum L.) cultivars "Soufla" and "L-9". Cycocel was applied at the rate of 0, 500, 1000, and 2000 ppm at tillering stage and at booting stage. Early application of CCC at tillering significantly decreased plant height. Reduced height has been positively and significantly correlated with reductions in lodging( $r=0.64$ ). Moreover, CCC application increased grain yield by 16%, compared with the untreated plots when averaged across seasons and cultivars. Increased grain yield could be due to reduced lodging, increased number of spikes per square meter, and or to increased period of the vegetative

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