

Effect of Levels and Timing of Foliar Application of Boron on Yield and Yield
Components of Cotton (*Gossypium hirsutum* L.)

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Abstract

A field experiment was conducted at private field in Kerbala governorate during the growing seasons of 2001 and 2002, to investigate the effect of four Boron levels (0, 8, 16, and 24 PPM) and three timings of foliar application after thinning , during flowering and after 50% flowering on yield and yield component of cotton variety Lashata . The experimental design was a randomized complete block design R.C.B.D. with three replicates.

The results showed that among Boron used, Boron applied at 24 PPM during both seasons gave higher number of total bolls/plant (41.49 and 37.61%) , number of open bolls/plant (31.22 and 32.44%), seed cotton yield (34.22, 36.52%) respectively and gave higher weight pf bolls, seed index and lint percentage as compared with control.

The data foliar during flowering of both season gave higher number of total bolls/plant, number of open bolls/plant, seed index , weight of bolls and seed cotton yield (13 and 18%) respectively as compared with foliar boron after thinning.