Response of some characters of cotton to the nitrogen levels and foliar date zinc and copper

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Abstract

A field experiment was carried out in AL-Musaib Technical Institute during growing season of 2001 and 2002, to investigate response of some characters of cotton of three nitrogen (0,100, and 200 kgN\text{-1}) and three foliar date Zinc and Copper (after thinning, beginning first square, and beginning of flowering). A randomized complete block design experiment with three replications. The results showed that nitrogen applied at 200 kgN\text{-1} during both seasons gave higher percentage of plant height (62.39, 63.74\%), number of sympodia branch per plant (30.85, 30.96\%) respectively in both season as compared with control, and gave higher lint yield (903.10, 1044.00 kg\text{-1}) as compared with control (131.80, 171.00 kg\text{-1}) respectively in both season, gave higher percentage of fiber length (12.52, 12.73\%), fiber strength (21.57, 17.38\%).

The date foliar during flowering of both season gave higher percentage of plant height (9.92, 11.46\%), number of sympodia branch per plant (35.93, 31.91\%), lint yield (25.76, 36.10\%) fiber length (4.98, 5.07\%) fiber strength (7.61, 8.88\%) respectively as compared with foliar after thinning.

The interaction between nitrogen applied at 200 kg kgN\text{-1} and foliar during flowering in all studied characters.