

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_h-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 was applied.

Nitrogen applied at 200 kgN_h-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_h-1) as compared with control (131.80 , 171.00 kg_h-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_h-1_h-1 and foliar during flowering in all studied characters.