Effect of Date Different Irrigation After Flowers And Nitrogen Levels on Growth Char haters And Yield of Cotton (Gossypium hirsutum L.)

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Abstract
Field experiment was carried out in Diyala during growing season 2008, to investigate the effect of the irrigation date (7, 14, 21, Day) after flowering and two application of Nitrogen (100, 200 kg.N.h-1) on Growth character and yield of cotton (cv. Lashata). The experimental design was randomized complete block design with three replications. The results showed that

1. The irrigation date at 21 day gave higher percentage of plant height (43.55%), number of nodes (44.85%), leaf area (55.44%), leaf number (42.86%) as compared of irrigation date at 7 days, and gave length of inter nodes (5.47 cm), number of sympodia branch per plant (27.78) per plant as compared of irrigation date 7 days (13.94 branch) respectively, and gave higher percentage of cotton yield (68.20%) as compared of irrigation date 7 days.

2. Nitrogen application of 200 kg.N.h-1 gave higher percentage of plant height (11.38%), number of nodes (18.56%), length of inter nodes (6.56%), leaf area (62.35%), leaf number (38.06%), number of sympodia branch per plant (69.08%), and cotton yield (84.39%) as compared of application (100kg.N.h-1). Significant effect of interaction between irrigation date at 21 and Nitrogen applied at (200 kg.N.h-1) in all studied characters.