

Response of Varieties Cotton to Foliar Application Time of Aethephone to Fiber Properties and Quality of Seeds Cotton

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Abstract

A field experiment was carried out at field experiment, College of Agriculture university of Baghdad, Abu- Graib, during season 2008 to study the effect of four foliar application dates Viz .(1- Non foliar 2- at flowering buds formation 3- at flowering stage 4- at boll formation) and two varieties of cotton Ashour and Lashata on lint traits and qualitative characters for seeds cotton . the results showed that the foliar application dates, varieties and interaction between them have significant effect on , lint and seeds traits. plant fibers foliar applied with growth regulator at flowering stage were distinguished by their length, strength ,and fineness, the varieties of Lashata produced long, strong ,and more rough fibers as compared with Ashour, The plant seeds where the treatment of foliar was applied at flowering stage and at boll formation give higher oil and protein percentage rates of 25.23% and 21.06 % respectively, variety of Lashata give higher oil and protein percentage rates of 24.12% and 20.60% respectively . The saturated fatty acids combination was decreased with foliar application at flowering stage offsets in crease in un saturated fatty acids combination . Lashata was decrease in saturated fatty acids combination accompanied with increase in unsaturated fatty acids combination, the foliar applied at flowering buds formation with variety of Lashata leads to decrease in saturated fatty acids combination accompanied with increase in un saturated fatty acids combination

