INFLUENCE OF FERTILIZER TREATMENTS ON MATUREITY AND YIELD OF COTTON

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It is the purpose of the present paper to report the results obtained from studies of various methods of applying fertilizers as they affect the maturity and yield of cotton. In these studies, the methods used permitted comparisons of the concentration of fertilizer salts about the seed by varying (a) the rate of application, (b) the fertilizer ratio, (c) the time interval elapsing between application of fertilizer and planting of seed, and (d) the location of the fertilizer salts with reference to seed.

In a previous paper the authors describe the effects of these fertilizer treatments on stand of cotton. It was shown that the increased concentration of fertilizer salts, including the common nitrogen sources, potash, and to a lesser extent acid phosphate, reduced the germination of cotton. This inhibition of germination was not marked in (a) the lower rates of application, (b) the lower

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2Agronomist and Regional Agriculturist, respectively.
3Reference by number is to "Literature Cited," p. 923.