A FACTORIAL ANALYSIS OF SOME QUANTITATIVE CHARACTERS IN A CROSS BETWEEN T. VULGARE VAR. SONORA AND T. COMPACTUM VAR. CLUB C. I. 4534

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In this paper a factorial analysis relating to spike length of data arising from a cross of Sonora with Club C. I. 4534, and the reciprocal, will be presented. A subsidiary factorial analysis concerning the number of spikelets to the spike will be included.

HISTORICAL REVIEW

Boshnakian (2, page 865) wrote, “If the number of internodes in a population is more or less constant, . . . the length of the rachis is directly proportional to the average internode length.”

1 Contribution from the Department of Plant Breeding, Cornell University, Ithaca, New York. The original data for this article were presented in a thesis submitted to the Graduate Faculty of Cornell University in partial fulfillment for the degree of doctor of philosophy, January, 1931. Paper No. 185, Department of Plant Breeding. Received for publication January 25, 1932.

2 Graduate Student.

3 In this paper Sonora refers to T. vulgare var. Sonora and Club to T. compactum var. Club C. I. 4534.

4 Reference by number is to “Literature Cited,” p. 778.