Due to the fact that the four single crosses and the inbred parents were grown in two separate tests, although within a small and uniform piece of land, no error terms for testing differences were available. From the tables it appears clear that differences are so large and consistent as to elliminate a need for probability statements. However, date with identical and additional dwarf mutants will be forthcoming soon. These experiments will provide proper error terms.

J. F. Schuler\*G. F. Sprague

Present address: N. C. State College

Department of Experimental Statistics Raleigh, North Carolina