

10. Production of haploids.

About 15,000 seedlings have been examined from a cross of (A344 x A334) x ABPlcr without finding a single haploid plant. Two reasons are possible for this failure: (1) This single cross may have a low frequency of haploids or (2) any haploids occurring in the population may have failed to germinate because the seed had been two years in storage before attempts were made to extract the haploids.

The ABPlcr tester stock does not appear to develop root color as rapidly as another stock $a_1 A_2$ BPl CR and it is undesirable in that no aleurone color is produced.

To date five haploids have been found in 6000 kernels of single crosses x tester $a_1 A_2$ CRBPl.

Studies are under way to determine the most desirable temperature for identification of possible haploids in the germinator.

A. H. Corzo & E. L. Pinnell