

### 3. A second type of blotching involving the R locus.

In another cross of a teosinte derivative and a multiple tester, a mutagenic system has appeared which involves mutations from  $r$  to  $R$  on Chromosome 10 and causes a type of blotching similar to, but not identical with, that produced by the system described above. At least two genetic factors are involved in this system and one of these is carried by the inbred strain P39. It may be that this blotching is the equivalent of one described by Emerson et al., 1935, as being due to the  $R^{mb}$  allele at this locus.

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