

has appeared in au<sub>1</sub> au<sub>2</sub> cultures; it is not easily classified. Pollen for backcrosses has been obtained from d<sub>3</sub> plants by applying 1% gibberellins in lanolin to the sheaths about 3 weeks before tasselling. Independence of gl<sub>10</sub> (Sprague's) with wx (48.5% in 979 plants) and ye (49.0% in 649 plants) agrees with Anderson's report (News Letter 30: 9) for chromosome 5 instead of 9. Independence for ta with wx (48.5% in 154 plants) has been found.

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#### 6. High-haploid line.

The line which has about 3% haploids in self progenies (see previous two News Letters) is a haploid inducer when used as male. In crosses of gl<sub>1</sub> egg parent by the line (stock 6) and a R<sup>r</sup> line, maternal haploids have been found as follows:

<u>Pollen</u>	<u>Haploids</u>	<u>Total</u>	<u>% Haploids</u>
6	13	472	2.75
<u>R</u> <sup>r</sup>	6	724	0.83

Additional tests on a larger scale and tests of crosses and backcrosses involving stock 6 are in the process of analysis, and are confirmatory.

No paternal haploids have occurred in the following tests:

<u>Cross</u>	<u>Haploids</u>	<u>Total</u>
<u>R</u> <sup>r</sup> x 6	0	8,899
<u>R</u> <sup>r</sup> x <u>gl</u>	0	1,889
<u>6</u> x <u>gl</u>	0	46
Totals	0	11,534

#### 7. A new recessive aleurone color factor.

A new colorless aleurone mutant which gives a good 3:1 and negative allelism tests with a<sub>1</sub>, a<sub>2</sub>, c and r testers has been found. It apparently segregates independently with a<sub>2</sub>, but no other information is available on location as yet. Recessive plants of sun-red type have been obtained, and the mutant apparently has a dosage effect similar to that of c. It is tentatively designated c<sub>2</sub>.