

2. Monoploids in maize.

The use of a delayed pollination technique has been found to increase the frequency of monoploid plants occurring in the single cross B8 x Oh51A. The relative ages of silks at the time of pollination were designated as the number of days after glassine bags were placed on the ear shoots of the seed parent.

As shown in the following table, the greatest frequencies of monoploids occurred when ear shoots were held 18-20 days before pollination.

Age of Ear at Time of Pollination	Number Progeny Screened for Monoploids	Number of Monoploids	Frequency per 1,000
20 days	6,366	22	3.5
18 "	14,489	21	1.5
16 "	8,311	6	.72
8 "	29,764	11	.37
4 "	31,926	14	.44

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