

5. Frequency of monoploid corn plants.

The frequencies of naturally occurring monoploid plants have been determined for the following seed stocks.

<u>Seed Stock</u>	<u>Pollen Parent</u>	<u>Number of monoploids Per 1,000 Seed Tested</u>
(B : Oh51A)(NY3 X D50)	Randolph 50167 aBPlCRgPrlg	.64
B8 X Oh51A	"	1.5
NY3 X D50	"	.3
B8	"	1.8
Oh51A	"	.5
NY3	"	.7
D50	"	.8
Cornell-11	"	.1
Randolph 50167	B8	.6
Randolph 50167	Oh51A	.3
Randolph 50167	Chase H225	.7

Only 13% of all monoploid plants set seed when self-pollinated. However, when pollinated with normal pollen of diploid plants, approximately 80% of the monoploid plants set viable seed.

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