

2. Frequency of natural mutations to white seedlings in some inbred lines.

In some inbred lines hand-pollinated for 10 to 25 years some white seedlings have appeared. In the table below the frequency of these mutants is expressed per 10,000 plants in the inbred lines from different indigenous varieties of maize (I-VIII) and after different 10 to 25 generations of selfing.

<u>Inbred lines</u>	<u>Generation with mutants</u>	<u>No. of white seedlings per 10,000 plants</u>
S _I -26	11	5
S _I -54	14	3
S _I -73	12	7
S _{II} -58	21	6
S _{II} -6	10	10
S _{II} -15	18	9
S _{III} -35	17	4
S _{IV} -47	12	15
S _{IV} -64	10	12
S _V -34	15	5
S _{VI} -43	16	8
S _{VII} -58	10	3
S _{VIII} -81	25	9