

2. The relationship of pollen abortion and seed set in tetraploid maize.

Forty-three open-pollinated plants from an isolated block of tetraploid maize, produced by the "elongate" method, were classified for amount of pollen abortion and seed set. A very low correlation coefficient (0.09) between percentage of good pollen and percentage seed set was found in plants ranging from 4.5 percent to 75.5 percent seed set. Such a low degree of association indicates that pollen classification cannot effectively be used as a basis of selection for high seed set.

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