

3. Male sterility.

Paired progeny selection continues for converting key inbred lines to a sterile cytoplasm. Non-pollen restorers are being selected in male parents for female (seed parent) single crosses while pollen restorers are being selected for both parents of the male single cross. Samples from foundation seed stocks are being tested this winter (1952-53) at various locations in Florida, Texas, Mexico, and the greenhouse (DeKalb) for fertility.

Last summer pilot production fields involving male sterile single crosses averaged less than 0.5% for pollen fertility. The sterile seed fields showed a considerable increase in yield over the normal seed fields.

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