3. Corn grass morphology

A classification of the effects of modifier genes on the expression of the Cg gene has entailed a morphological analysis. The structural nature of modern corn becomes more obvious in corn grass since many of the morphological peculiarities of corn grass result from the active development of parts that are normally suppressed during ontogeny.

Evidence bearing on the structure of the maize inflorescence has been studied. The gross morphology of a series of corn grass cobs seems to support the spiral fusion theory while an examination of the vascular anatomy does not support this theory. The effects of the Cg gene on the ontogeny of corn have been studied on greenhouse grown plants.