

In a cross involving the pigeonpea (*Cajanus cajan*) line D<sub>6</sub> (medium-duration), the variety ICPL1 (short-duration) and their F<sub>1</sub>, F<sub>2</sub> and F<sub>3</sub> generations, mean, range, variance and coefficient of variance of time to 50% flowering were evaluated. On average, the time to 50% flowering of the F<sub>1</sub>-hybrid was below the mid-parental value and above that of the earlier-flowering parent. In the F<sub>2</sub>, a wide range of flowering showed a continuous distribution skewed towards earliness. A high estimate of heritability (0.75) for time to 50% was recorded, and additive gene action and partial dominance of earliness were concluded.