

## HETEROISIS FOR FIBRE QUALITY TRAITS IN UPLAND COTTON (*GOSSYPIUM HIRSUTUM* L.)

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**Abstract:** The present investigation was carried out with half diallel analysis involving 10 parents and their 45 F<sub>1</sub> hybrids to estimate the heterosis for fibre quality traits. The hybrid Pusa 9127 x BS 277 recorded highest heterobeltiosis (8.23) for 2.5% span length and hybrid BS 2170 x TCH 1728 exhibited positive significant relative heterosis (9.09%) for uniformity ratio. hybrid GSHV 99/ 307 x TSH 0250 (32.26%) showed significant positive heterobeltiosis for micronaire while hybrid CCH 510 x BS 2170 (18.25%) for strength to length ratio appears to be most superior hybrids.

**Keywords:** Heterobeltiosis, Relative heterosis, Miconaire, 2.5% span length, Half Diallel analysis

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