

Heterotic Studies for Yield and its Component Traits in Upland Cotton (*Gossypium hirsutum* L.)

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ABSTRACT

Forty five intra-hirsutum hybrids along with their parents and check were evaluated to estimate the magnitude of heterosis for yield and fibre quality traits at Agricultural Research Station, Jangamaheswarapuram, Guntur during *khariif*, 2013-14. The standard heterosis was calculated over check hybrid NCS-145. The hybrid NDH 1938 × RAH 1004 showed significant positive heterosis for seed cotton yield plant⁻¹ along with number of bolls plant⁻¹, uniformity ratio, elongation and lint yield plant⁻¹. The hybrid L 770 × G COT 16 showed significant positive heterosis for boll weight along with seed cotton yield plant⁻¹ over standard check.

Key words: *Fibre quality, Gossypium hirsutum, Heterosis, Seed cotton yield*