

**PERFORMANCE OF PIMA S-6//*3
TAMCOT 2111 FAMILIES
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Abstract

Interspecific hybridization is an effective mechanism for the introgression of desirable genes of one species to another. An attempt was made to introgress fiber property alleles from a *Gossypium barbadense* cultivar into a *G. hirsutum* cultivar. Seventeen of the twenty-four families that were developed were evaluated in 1996 and 1997 for agronomic and fiber properties. Of the seventeen families, four have been identified as having been successfully introgressed with *G. barbadense* alleles for fiber quality, one with fiber strength, one with fiber length, and two with fiber micronaire.