DRYLAND AND IRRIGATED COMMERCIAL VARIETY TESTING IN CENTRAL AND SOUTH TEXAS IN 2009 Dawn M. Deno Steve Hague C. Wayne Smith Nino Brown Texas A&M University College Station, TX

<u>Abstract</u>

Approximately 60 commercial varieties were evaluated in replicated trials at seven locations. Locations included four irrigated and five dry land tests. For each test, lint yield, lint fraction, and HVI fiber data were ascertained. The harvest period at three locations were characterized by heavy and damaging rain. Comparisons among varieties under irrigated and dry land conditions suggest a genotype by environment interaction. Dry land tests produced substantially less lint yield and poorer fiber quality compared to irrigated tests due to the generally hot and dry growing conditions in 2009.