



Experiment Station Cotton Official Variety Trials - Overview

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The Experiment Station cotton official variety tests were planted at the Southwest Research and Extension Center at Altus Center (SWREC) (furrow irrigated), Southwest Agronomy Research Station at Tipton (dryland), and Caddo Research Station at Fort Cobb (center pivot irrigated) in 2012. Since the SWREC is located within Lugert-Altus Irrigation District, no irrigation was available in 2012. Therefore, both the Altus and Tipton locations failed due to drought.

The Fort Cobb site was planted on May 9 and was harvested on October 30 with a John Deere 482 plot stripper (without a field cleaner). Rainfall, temperatures and other weather data are summarized in the Mesonet data for the site (see below). In-season center pivot irrigation totaled 16.75 inches. Irrigation totals in inches by month were:

May	1.00
June	2.00
July	5.50
August	4.75
September	3.75

This trial consisted of 4 replicates of 38 entries. Plot size was 4 rows by 30 ft in length. Grab samples of stripper harvested material were taken at harvest and ginned to convert plot bur cotton weights to lint per acre. Lint from the grab samples were submitted to the Texas Tech University FBRI to obtain HVI data. 50-boll samples were taken and the other some data were derived from those. Additional collected data included a visual estimate of storm resistance, which is important in our area. Yields ranged from a low of 960 to a high of 1643 lb/acre.

See Fort Cobb OVT results

See Fort Cobb Mesonet Weather file (May-October 2012)