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Profitability of Twin-Row Spanish vs. Single Row Runner Production Systems

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Irrigated field studies were established in Terry (two locations) and Frio counties to compare twin-row and single row production systems and seeding rate effects on two spanish market types.

At the Monty Henson Farm in Terry county treatments include single and twin rows with the following cultivars: Tamspan 90 and Tx962120 (high oleic) spanish market types; Flavor Runner 458, Sunoleic 97R and Tx977006 high oleic runner market types; and NC7 virginia market type. The study was planted May 1. Canopy measurements were collected July 27, 2001.

At the Andy Timmons Farm in Terry county treatments include single and twin rows, and differing seeding rates for the twin rows (6 and 10 seed/ft.). Spanish cultivars include Tamspan 90 and Tx962120 (high oleic). The study was planted May 1. Canopy measurements were collected July 27, 2001.

At the Joe Weir Farm in Atascosa county treatments include single and twin rows, and differing seeding rates for the twin row spanish (6 and 10 seed/ft.) Spanish cultivars include Tamspan 90 and Tx962120 (high oleic); Tx977006 high oleic, AT-108, Tamrun 96, and Georgia Green runner market types. The study was planted June 4, 2001.

All studies emerged to good stands and were irrigated judiciously throughout the season. Crop vegetative growth was near normal; however, due to high temperatures and dry conditions associated with the 2001 drought, reproductive development was hampered. All study sites have been harvested and grades are being determined. Preliminary data analysis indicate that yields were very good and there appears to be a positive effect from the twin row pattern.