

Large Scale Variety Comparison in Drip Irrigated Cotton (Field 6H)

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Objective: Compare cotton varieties for yield and gross returns per acre in a multi-year experiment.

Methodology: Paymaster 2326 RR and FiberMax 989 BR were planted on May 6. Prowl at 3.5 pts/A was applied preplant incorporated. Roundup WeatherMax + Staple (22 oz + 0.6 oz) was applied postemergence topical and Roundup WeatherMax was post directed. Drip irrigation applied totaled 6" preplant and 11" in-season. Total fertilizer applied was 135-80-0. Harvest aid treatments were applied in early October and the field was harvested on October 25. Insecticide treatments included Temik in-furrow at planting and Orthane for additional thrips control.



Fig. 1. Cotton harvest of weed management, growth regulator study irrigated by SDI at Helms Farm, 2002.

Results: Excellent yields were produced with each variety, although yields with FM 989BR were higher than those produced with PM 2326. Similar yields with each variety were produced in both 2002 and 2003 (Table 1).

Table 1. Lint yields and gross returns/A for two cotton varieties in drip irrigation.

	Yield lb/Ac		\$/Ac
	2002	2003	2003
Paymaster 2326 RR	1746	1689	882
Fiber Max 989 BR	1962	1992	1090