

SDI Cotton Variety Performance Under Different Management Scenarios (Field 2)

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Fig. 1. Planting the small plot variety test in the SDI management study.

Objective: The objective was to compare cotton lint yields and values of twenty four varieties when managed under both *High* and *Normal* input scenarios using SDI. Differences in management treatments are described in the previous report.

Results: The 2004 yield and the average of 2002 through 2004 lint yield and crop values are contained in Table 1.

Table 1. Lint yield and crop value of 25 cotton varieties irrigated by SDI from 2002 to 2004, Helms Research Farm, 2004.

DESIGNATION	2004 Yield (lb/ac)			2002-04 Yield (lb/ac)			2002-04 Value (\$/ac)		
	High	Normal	Dryland	High	Normal	Dryland	High	Normal**	Dryland
Paymaster 2167 RR	1640	2002	1022	1501	1722	601	691	690	265
FiberMax 989 BR	1753	1795	950	1664	1462	546	846	658	262
FiberMax 958	1603	1847	977	1573	1553	538	814	752	258
Stoneville 4892 BR	1860	1776	754	1581	1457	448	789	654	214
Syngenta 2165c	1630	1655	801	1438	1412	482	680	629	221
Paymaster 2266 RR	1438	1616	972	1351	1399	535	683	633	255
Stoneville 3539 BR	1748	1520	680	1486	1375	419	705	628	192
Syngenta 2108ss	1684	1628	584	1485	1368	382	742	594	173
FiberMax 989	1579	2031	1028	1270	1356	556	640	517	270
Stoneville 2454 RR	1762	1551	718	1450	1279	427	682	572	202
Suregrow 215 BR	1397	1618	857	1305	1329	521	585	542	241
Paymaster 2280 BR	1606	1817	823	1323	1357	466	671	585	220
AFD 2050	1358	1528	794	1312	1331	498	632	593	242
All-Tex Atlas RR	1349	1503	1024	1306	1255	544	645	553	269
Paymaster 2344 BG/RR	1561	1691	840	1301	1295	483	654	517	234
Stoneville BXN 16	1606	1424	595	1396	1317	365	682	626	176
FiberMax 5017	1305	1529	859	1285	1281	469	626	560	228
Paymaster HS 26***	1368	1339	841	1178	1243	585	596	601	298
PhytoGen 355	1429	1493	820	1302	1240	461	653	558	223
FiberMax 5024 BXN	1203	1480	943	1249	1229	513	609	534	250
Paymaster 2326 RR	1330	1465	733	1283	1176	445	645	485	213
Raider 271	1237	1437	595	1161	1231	381	629	614	193
FiberMax 819	1179	1288	618	1197	1077	368	596	495	187
Western 180*				1309	1077	169	609	511	71
Bronco 141	1212	1296	644	1055	1079	397	510	478	189

*Data from 2002 only.

**Average *Normal Input* crop values do not include those of 2004 due to lack of fiber data at the date this table was developed.

***Data from crop years 2003 and 2004 only.