

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

Methodology: Twenty-four varieties were planted in two-row by 40' plots of each replicate of the SDI management study.

Results: The results are contained in Table 1.



Figure 1. Planting SDI variety test at TAES, Helms Farm, 2003.

Table 1. Lint yield, loan price, and loan value from SDI cotton variety and management study, Helms Farm, 2003.

DESIGNATION	Yield (lb/ac)			Loan Price (\$/lb)			Loan Value (\$/ac)		
	High	Normal	Dryland	High	Normal	Dryland	High	Normal	Dryland
FiberMax 958	1655	1417	414	0.5533	0.5645	0.4455	915.71	799.90	184.44
FiberMax 989 BR	1565	1346	467	0.5503	0.5355	0.4750	861.22	720.78	221.83
Syngenta 2108ss	1495	1324	381	0.5338	0.4948	0.4520	798.03	655.12	172.21
Stoneville 3539 BR	1488	1430	382	0.5065	0.4990	0.4433	753.67	713.57	169.34
Stoneville 4892 BR	1436	1367	398	0.5225	0.4895	0.4538	750.31	669.15	180.61
Paymaster 2167 RR	1410	1639	458	0.5088	0.4898	0.4490	717.41	802.78	205.64
Stoneville 2454 RR	1388	1257	365	0.5075	0.5240	0.4565	704.41	658.67	166.62
Stoneville BXN 16	1369	1353	353	0.5433	0.5075	0.4650	743.78	686.65	164.15
Paymaster 2266 RR	1320	1470	404	0.5240	0.5050	0.4890	691.68	742.35	197.56
All-Tex Atlas RR	1296	1166	402	0.5195	0.5223	0.4633	673.27	609.00	186.25
Paymaster 2326 RR	1291	1039	372	0.5440	0.5235	0.4650	702.30	543.92	172.98
FiberMax 5017	1264	1224	345	0.5045	0.5248	0.4565	637.69	642.36	157.49
FiberMax 5024 BXN	1254	1132	379	0.5393	0.5235	0.4775	676.28	592.60	180.97
Syngenta 2165c	1238	1451	433	0.5040	0.5085	0.4520	623.95	737.83	195.72
AFD 2050	1218	1209	428	0.5195	0.5133	0.4658	632.75	620.58	199.36
PhytoGen 355	1187	1140	411	0.5195	0.5428	0.4663	616.65	618.79	191.65
Paymaster 2344 BG/RR	1186	991	360	0.5340	0.5085	0.4443	633.32	503.92	159.95
Paymaster 2280 BR	1139	1168	352	0.5465	0.5418	0.4810	622.46	632.82	169.31
FiberMax 819	1089	955	342	0.5350	0.5405	0.5290	582.62	516.18	180.92
Suregrow 215 BR	1089	1217	429	0.4530	0.4778	0.4825	493.32	581.48	206.99
Raider 271	1079	1210	336	0.5610	0.5605	0.5060	605.32	678.21	170.02
Paymaster HS 26	988	1147	329	0.5425	0.5240	0.4828	535.99	601.03	158.84
FiberMax 989	975	977	417	0.5140	0.5390	0.5010	501.15	526.60	208.92
Bronco 141	972	996	385	0.5173	0.5325	0.4910	502.82	530.37	189.04
Mean	1266	1234	389	0.5250	0.5210	0.4710			
C.V.%	14.3	15.4	14.7	3.9	2.9	4.3			
LSD 0.05	214	224	67	0.0350	0.0259	0.0346			