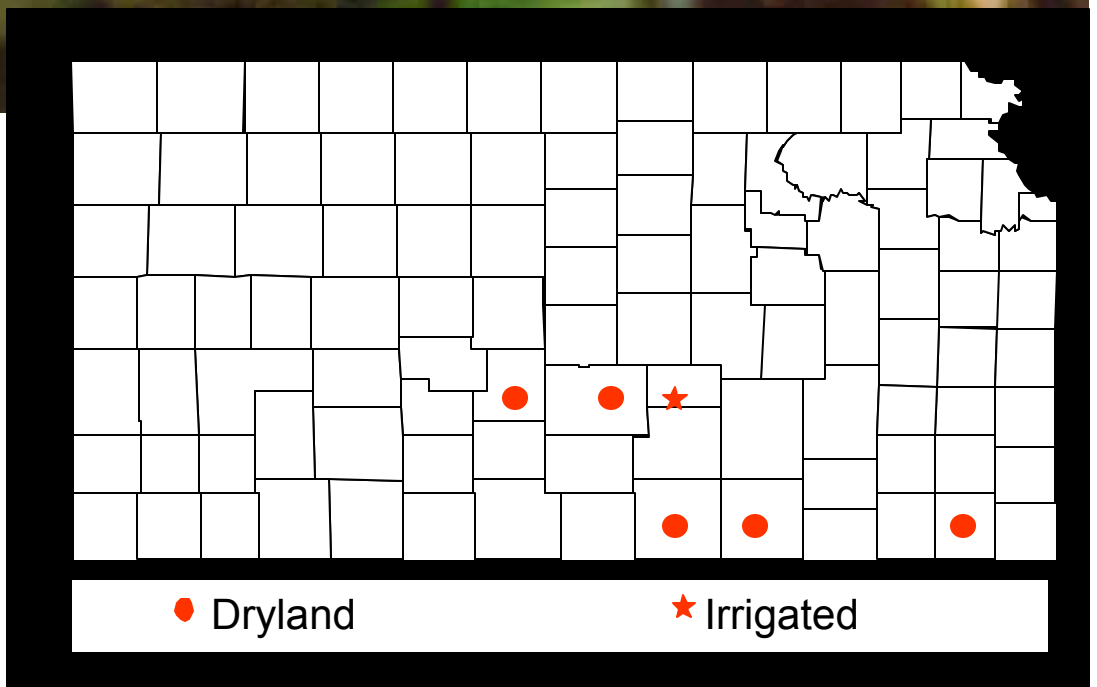


# 2000 Cotton Performance Test



# 2000 Cotton Performance Test

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# 2000 Cotton Performance Test

## Introduction

Cotton acres in Kansas have increased steadily during the past five years, with annual increases exceeding 40% per year. Cotton is a reasonable fit for the southern region of Kansas, which has similar heat unit accumulation and rainfall ranges as other cotton growing areas in the High Plains and Mid South. As with the adoption of any crop to a new growing region varietal adaptability is key to success. The cotton variety testing program is conducted by Kansas State University to provide interested parties with an unbiased source of varietal information. The test is supported by entry fees paid by the seed companies. Entry to the test is entirely voluntary and at the discretion of the participating seed companies, therefore, not all varieties are found in the test.

Plots were machine planted and harvested. Subsamples were taken from field sample to determine gin out using a 20 saw gin. Lint quality information was determined at the Texas Tech International Textile Research Center in Lubbock, TX.

**LINT YIELD** is reported in pounds/acre and is also converted **% OF TEST AVERAGE** for multiple year and multiple sites. **TURNOUT** refers to the lint turnout which is calculated as the percentage of lint on a weight basis as a result of ginning the sub sample from each treatment.

All lint quality data is determined by HVI (High Volume Instrumentation) testing. Cotton fiber fineness and maturity is reported **MICRONAIRE** reading obtained from an air flow instrument test. Micronaire readings have no units. Fiber **LENGTH** is a measure of fiber length and is reported in 1/32 of an inch or decimal equivalents. **UNIFORMITY** and **STRENGTH** (g/tex) are two other measures of lint quality that are measured and affect lint value. **COLOR GRADE** is made up of two numbers. The two digit number is an indication of the fiber color and whiteness (i.e. 11, 52, or 82). The first digit can range from 1 to 8 representing overall color with 1 being the best color and 8 representing below grade colors. The second digit represents a fiber whiteness score. This number can only range from 1 to 5, with 1 representing good white color and 5 representing yellow stained. The second number in the overall color grade represents the leaf score and represents leaf content in the sample.

Small differences in yield or other characteristics should not be overemphasized. Least significant differences (LSD's) are shown at the bottom of each table. Unless two entries differ by at least the LSD shown, little confidence can be placed in one being superior to the other. The coefficient of variability (CV) can be used to estimate the degree of confidence one may have in published data from replicated tests. In this testing program, CV's below 10% generally indicate reliable, uniform data, whereas CV's of 10 to 15% are not uncommon and usually indicate that data are acceptable for the rough performance comparisons desired from these tests. Tests with CV's over 15% still may be useful, but hybrid comparisons lack precision.

## Cowley County Dryland Cotton Plot - 2000

**Cooperator:** John Posey

**Planting Date:** May 19, 2000

**Seeding Rate:** 61,000 seed/acre

**Previous Crop:** Cotton

**Soil Type:** Bethany silt loam

**Soil Test Results:** pH 5.6; P<sub>2</sub>O<sub>5</sub> - 35 ppm; K<sub>2</sub>O - 145 ppm; Organic Matter 2.0%

**Weed Control:** Prowl @ 2 pts/a (PPI); Dual II Magnum @ 2 pts/a + Cotoran @ 2 pts/a + Staple @ 0.6 oz/acre (PRE)

**Fertilizer:** 35-0-0 lb/a preplant; 30-0-0 lb/a pre-plant as Urea

**Insecticides:** Orthene 4 oz/a - June 20, 2000

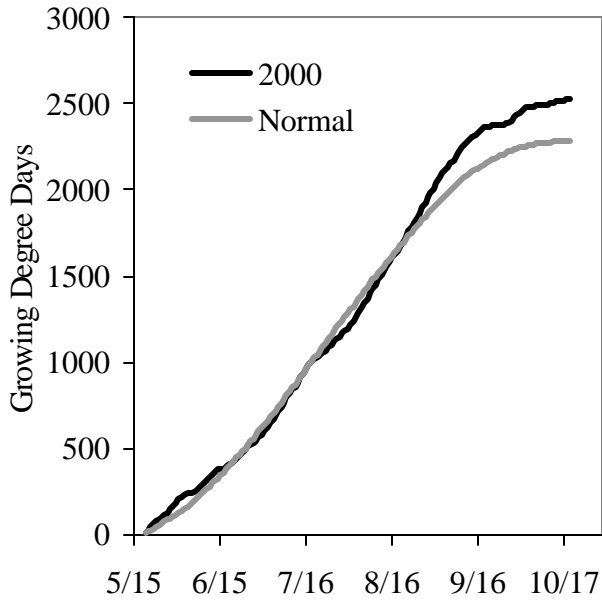
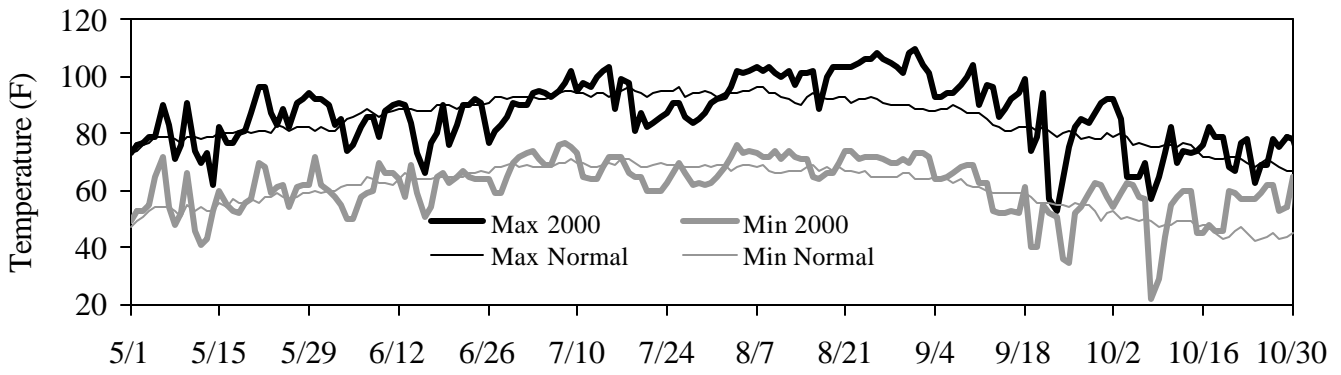
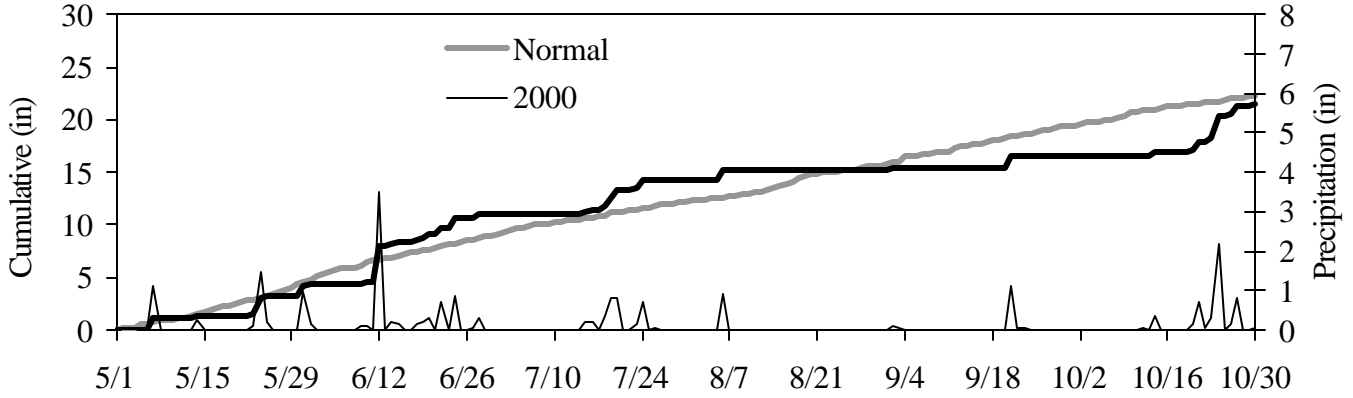
**Harvest Aids:** None

**Harvest Date:** October 19, 2000

Company	Variety	Yield lb/acre	Yield as % of Avg.	Turnout %	2 Year Average	
					Yield lb/acre	Test Avg %
Fibermax	958	164	110	0.251	--	--
Novartis	2108SS	178	119	0.281	--	--
Novartis	2165C	138	93	0.256	--	--
Novartis	DG256	163	109	0.234	--	--
Deltapine	388	136	91	0.257	384	110
Paymaster	2379RR	170	114	0.257	300	101
Paymaster	2145RR	123	83	0.283	261	82
Paymaster	2156RR	162	109	0.277	388	117
Paymaster	280	135	91	0.231	--	--
Paymaster	2280BGRR	143	96	0.247	337	102
Stoneville	ST239	147	99	0.262	--	--
Stoneville	BXN16	131	88	0.266	--	--
LSD <sub>(0.05)</sub>		ns	ns	0.023	118	15
Mean		149	100	0.259	492	100
C.V.		24	16	7.5	17	21

Company	Variety	Micronaire	Length	Uniformity	Strength	Color	
						Grade	Grade
Fibermax	958	3.5	32.3	79.0	24.2	52	1
Novartis	2108SS	3.9	31.4	78.9	22.2	52	2
Novartis	2165C	3.6	31.4	78.8	22.8	62	1
Novartis	DG256	3.7	31.4	78.1	22.5	42	2
Deltapine	388	4.4	32.6	76.7	20.4	63	1
Paymaster	2379RR	4.0	32.0	79.2	25.0	52	2
Paymaster	2145RR	3.3	29.4	77.0	23.6	62	1
Paymaster	2156RR	4.5	29.4	77.7	18.5	52	2
Paymaster	280	3.2	32.3	78.2	25.6	61	3
Paymaster	2280BGRR	3.8	32.3	78.1	25.3	52	2
Stoneville	ST239	3.8	31.4	80.3	24.3	52	2
Stoneville	BXN16	4.0	32.0	79.1	24.0	52	2
LSD <sub>(0.05)</sub>		ns	2.2	1.8	2.33	--	--
Mean		3.8	31.4	78.4	23.2	--	--
C.V.		10.7	3.0	1.1	4.6	--	--

## Cowley County Dryland Cotton Plot - 2000



	Temperature		Precipitation		GDD	
	2000	Normal	2000	Normal	2000	Normal
May	70	67	4.2	4.6	314	228
Jun	73	76	6.8	4.3	378	493
Jul	80	81	3.3	3.2	615	664
Aug	86	80	0.9	3.5	812	615
Sep	73	71	1.3	3.8	427	338
Oct	64	60	5.2	3.0	152	46
Avg/ Sum	74	73	21.7	22.4	2697	2383

## Labette County Dryland Cotton Plot - 2000

**Cooperator:** KAES, KCES - James H. Long: SEARC

**Planting Date:** May 19, 2000

**Seeding Rate:** 43,000 and 78,000 seed/acre (two population treatments)

**Previous Crop:** Red clover then grain sorghum

**Soil Type:** Parsons silt loam

**Weed Control:** Cotoran @ 3 pts/a + Dual II Magnum @ 2 pts/a (PRE), Cotoran 2pts/a (POST)

**Fertilizer:** 200 lb/a 9-23-20 + 50 lbs/a Urea (PRE)

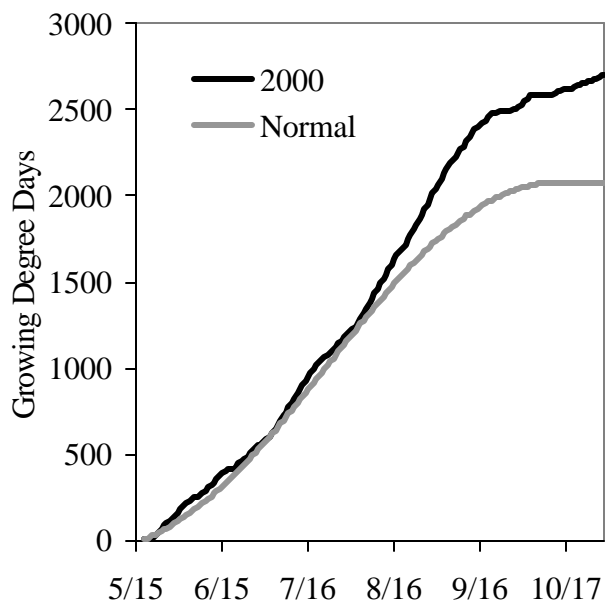
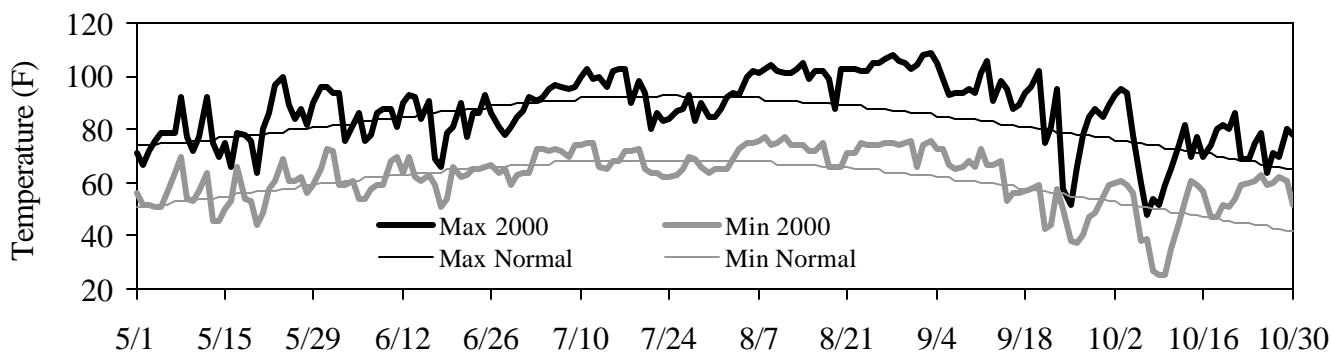
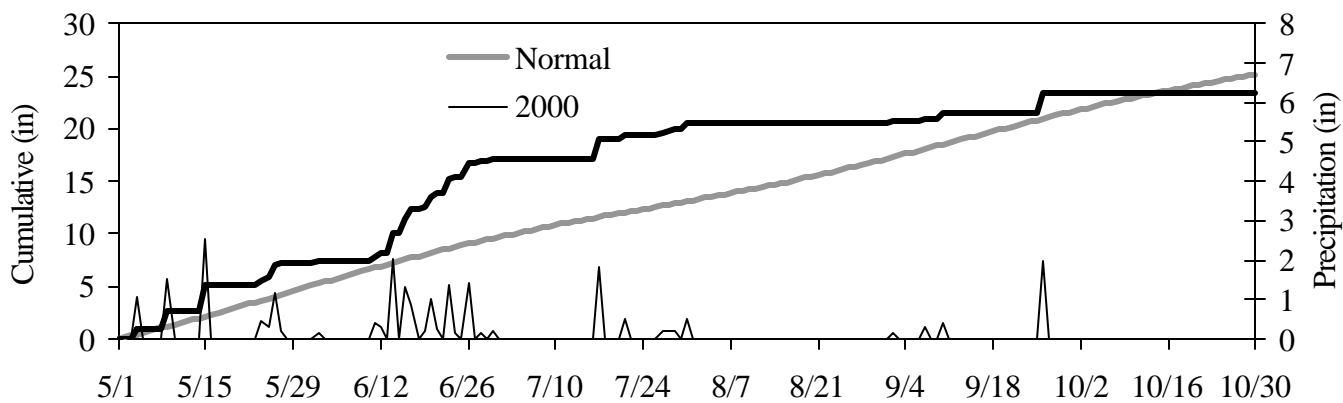
**Harvest Aids:** Def 6 1 qts/a + Prep 0.33 pts/a on September 14, 2000, Gramoxone 1pts/a + 0.33 pts/a + NIS September 26, 2000 (regrowth control)

**Harvest Date:** October 2 & 3, 2000

Company	Variety	Yield lb/acre	Yield as % of Avg.	Turnout %
Fibermax	958	345	77	0.308
Novartis	2108SS	502	112	0.309
Novartis	2165C	431	96	0.307
Novartis	DG256	446	100	0.288
Deltapine	388	437	98	0.315
Paymaster	2379RR	502	112	0.299
Paymaster	2145RR	385	86	0.312
Paymaster	2156RR	545	122	0.301
Paymaster	280	457	102	0.273
Paymaster	2280BGRR	502	112	0.309
Stoneville	ST239	399	89	0.304
Stoneville	BXN16	416	93	0.297
LSD <sub>(0.05)</sub>		71	16	0.009
Mean		447	100	0.302
C.V.		16	4	3.0

Company	Variety	Micronaire	Length	Uniformity	Strength	Color Grade	
Fibermax	958	3.2	30.6	80.0	25.4	52	1
Novartis	2108SS	3.9	30.9	79.5	26.3	52	2
Novartis	2165C	3.0	30.1	78.2	26.0	52	2
Novartis	DG256	3.3	31.2	79.0	27.3	42	2
Deltapine	388	3.4	29.9	78.9	24.8	43	2
Paymaster	2379RR	3.7	29.1	80.0	29.0	52	2
Paymaster	2145RR	3.9	28.2	79.1	25.1	43	2
Paymaster	2156RR	3.7	28.5	79.1	23.9	62	2
Paymaster	280	3.3	32.6	79.5	29.3	52	2
Paymaster	2280BGRR	3.0	30.2	78.3	26.8	42	2
Stoneville	ST239	3.6	30.4	80.5	26.9	52	1
Stoneville	BXN16	3.6	29.3	80.0	25.0	52	3
LSD <sub>(0.05)</sub>		0.4	1.0	ns	2.3	--	
Mean		3.5	30.1	79.3	26.3	--	
C.V.		6.6	1.8	1.2	5.0	--	

### Labette County Dryland Cotton Plot - 2000



	Temperature		Precipitation		GDD	
	2000	Normal	2000	Normal	2000	Normal
May	68	66	7.3	5.0	279	195
Jun	73	75	9.8	4.7	376	443
Jul	79	80	3.5	3.5	602	613
Aug	85	78	0.0	3.9	785	560
Sep	72	70	2.9	4.5	392	306
Oct	63	60	0.0	3.8	189	35
Sum/ Avg	74	71	23.4	25.2	2621	2151

## Reno County Dryland Cotton Plot - 2000

**Cooperator:** William Heer - South Central Experiment Field, Hutchinson, KS

**Planting Date:** May 30, 2000

**Seeding Rate:** 61,000 seed/acre

**Previous Crop:** Wheat

**Soil Type:** Ost Silt Loam

**Soil Test Results:** pH 5.1; P<sub>2</sub>O<sub>5</sub> 45 ppm; K<sub>2</sub>O - 332 ppm; Organic Matter 2.4%

**Weed Control:** Dual II @ 1.33 pts/a + Cotoran @ 2.4 pt/a (PRE)

**Fertilizer:** 16-40-0 at planting

**Insecticides:** None

**Harvest Aids:** None

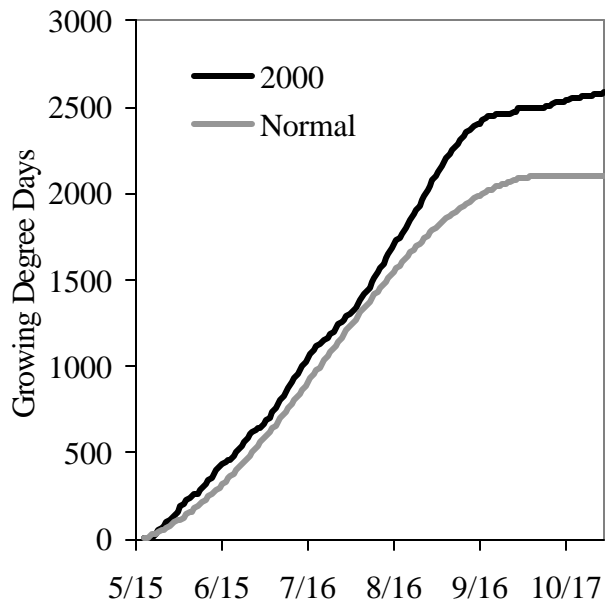
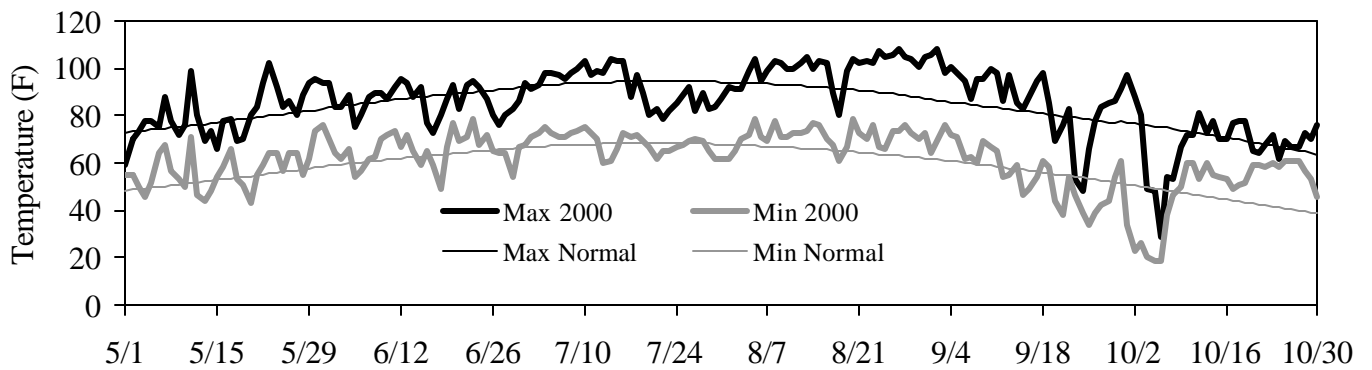
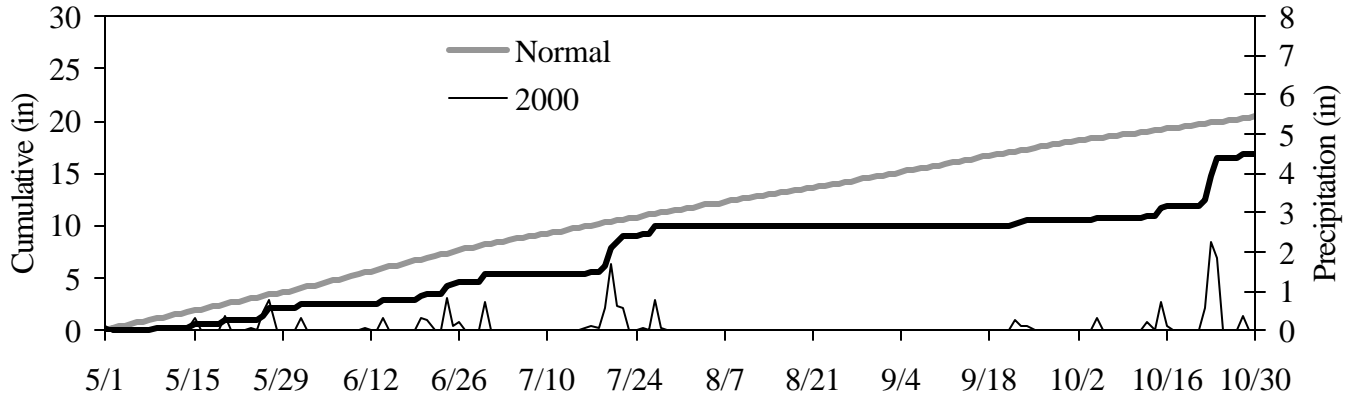
**Harvest Date:** October 17, 2000

Company	Variety	Yield lb/acre	Yield as % of Avg.	Turnout %
Fibermax	958	222	74	0.257
Novartis	2108SS	349	117	0.264
Novartis	2165C	282	94	0.264
Novartis	DG256	317	106	0.257
Deltapine	388	254	85	0.280
Paymaster	2379RR	270	90	0.260
Paymaster	2145RR	386	129	0.294
Paymaster	2156RR	388	130	0.283
Paymaster	280	277	93	0.246
Paymaster	2280BGRR	271	91	0.267
Stoneville	ST239	314	105	0.270
Stoneville	BXN16	256	86	0.251
LSD <sub>(0.05)</sub>		76	25	0.015
Mean		299	100	0.262
C.V.		18	6	4.0

Company	Variety	Micronaire	Length	Uniformity	Strength	Color Grade	
Fibermax	958	3.1	31.4	79.3	25.0	51	3
Novartis	2108SS	3.3	31.7	78.7	24.6	52	3
Novartis	2165C	3.2	31.4	79.4	25.4	42	3
Novartis	DG256	3.3	31.0	79.7	25.5	51	3
Deltapine	388	3.5	31.7	78.9	24.1	52	3
Paymaster	2379RR	3.7	31.0	80.4	26.0	51	4
Paymaster	2145RR	3.4	30.4	79.1	24.1	61	4
Paymaster	2156RR	3.4	30.7	79.7	23.2	62	2
Paymaster	280	3.1	31.7	79.0	25.9	51	4
Paymaster	2280BGRR	3.3	31.7	78.9	26.1	62	3
Stoneville	ST239	3.6	31.0	80.2	25.5	51	4
Stoneville	BXN16	3.1	30.4	80.0	25.2	41	4
LSD <sub>(0.05)</sub>		0.3	1.0	1.4	2.0	--	
Mean		3.3	31.0	79.4	25.0	--	
C.V.		7.3	1.9	1.2	5.4	--	



## Reno County Dryland Cotton Plot - 2000



	Temperature		Precipitation		GDD	
	2000	Normal	2000	Normal	2000	Normal
May	69	66	2.2	3.9	290	171
Jun	76	75	3.2	4.3	477	463
Jul	81	81	4.6	3.4	636	650
Aug	86	78	0.0	3.1	802	573
Sep	72	69	0.5	3.3	390	282
Oct	59	58	6.4	2.4	86	23
Sum/ Avg	74	71	16.9	20.4	2681	2161

## Stafford County Dryland Cotton Plot - 2000

**Cooperator:** Vic Martin - Sandyland Exp. Fld, St. John, KS

**Planting Date:** May 20, 2000

**Seeding Rate:** 61,000 seed/acre

**Previous Crop:** Cotton

**Weed Control:** Karmex @ 2.0 lb/a + Dual II Magnum @ 2 pts/a + Staple @ 0.6 oz/acre (PRE)

**Fertilizer:** 50-15-0 lb/a broadcast pre-plant; 10-0-0 lb/acre broadcast as Urea

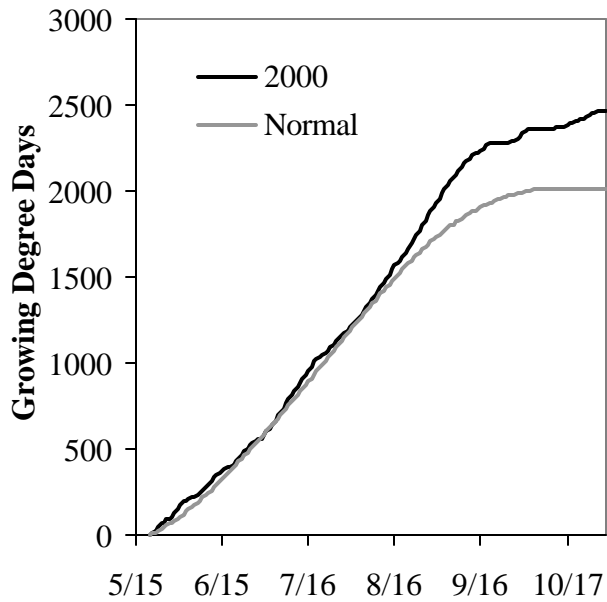
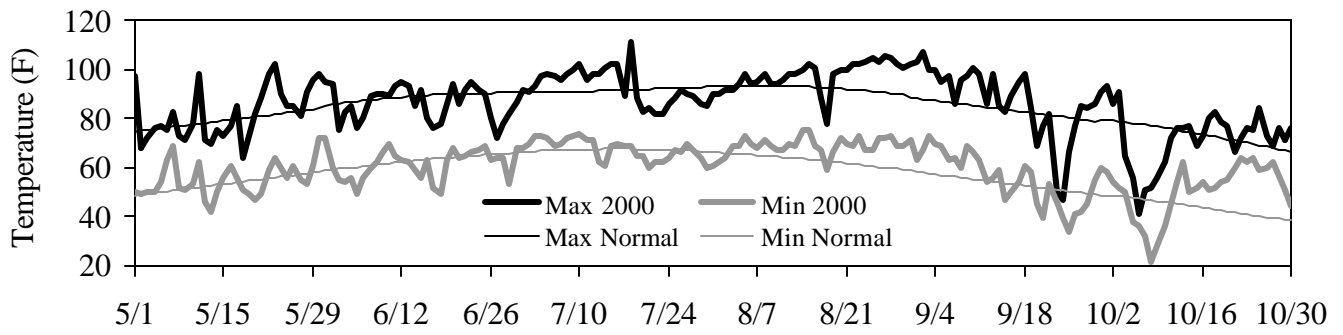
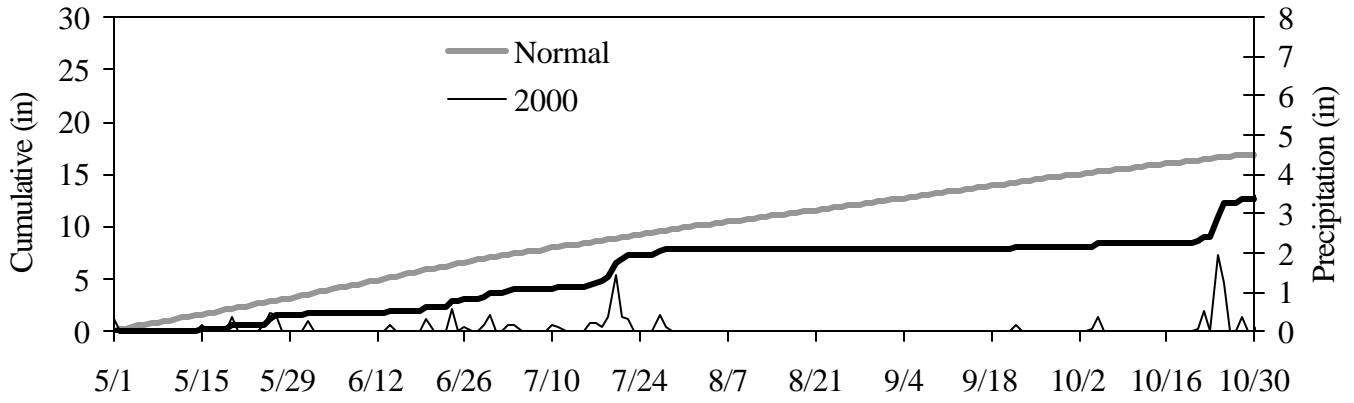
**Harvest Aids:** None

**Harvest Date:** November 10, 2000

Company	Variety	Yield lb/acre	Yield as % of Avg.	Turnout %
Fibermax	958	310	99	0.305
Novartis	2108SS	294	94	0.303
Novartis	2165C	388	124	0.326
Novartis	DG256	371	118	0.290
Deltapine	388	185	59	0.294
Paymaster	2379RR	336	107	0.306
Paymaster	2145RR	329	105	0.316
Paymaster	2156RR	337	107	0.309
Paymaster	280	180	57	0.275
Paymaster	2280BGRR	390	124	0.298
Stoneville	ST239	404	129	0.310
Stoneville	BXN16	240	76	0.298
LSD <sub>(0.05)</sub>		131	42	0.015
Mean		314	100	0.303
C.V.		30	10	3.4

Company	Variety	Micronaire	Length	Uniformity	Strength	Color Grade
Fibermax	958	4.1	35.2	81.8	28.0	53 2
Novartis	2108SS	4.0	32.3	80.1	26.7	52 1
Novartis	2165C	3.7	33.0	81.3	28.0	51 3
Novartis	DG256	3.8	32.6	82	28.4	51 3
Deltapine	388	4.0	34.6	81.3	26.8	84 1
Paymaster	2379RR	4.7	32.3	81.7	28.0	52 2
Paymaster	2145RR	4.3	30.7	81.6	25.7	52 1
Paymaster	2156RR	4.4	30.7	81.5	24.0	52 2
Paymaster	280	3.8	32.5	81.2	26.7	51 1
Paymaster	2280BGRR	4.2	32.3	82.2	29.0	51 3
Stoneville	ST239	4.2	32.1	80.9	25.8	51 3
Stoneville	BXN16	4.7	31.7	82	24.4	41 4
LSD <sub>(0.05)</sub>		0.4	1.2	ns	2.4	--
Mean		4.2	32.5	81.5	26.8	--
C.V.		7.7	2.8	1.7	4.7	--

## Stafford County Dryland Cotton Plot - 2000



	Temperature		Precipitation		GDD	
	2000	Normal	2000	Normal	2000	Normal
May	69	67	0.1	0.1	286	203
Jun	73	76	2.0	3.6	403	478
Jul	80	79	4.2	2.9	628	603
Aug	83	78	0.0	2.5	728	544
Sep	71	68	0.2	2.5	384	254
Oct	61	58	4.9	2.1	149	28
Sum/ Avg	73	71	13.3	16.9	2577	2111

## Sumner County Dryland Cotton Plot - 2000

**Cooperator:** Robert Miller

**Planting Date:** May 18, 2000

**Seeding Rate:** 61,000 seed/acre

**Previous Crop:** Cotton

**Soil Type:** Tabler silty clay loam

**Soil Test Results:** pH 6.2; P<sub>2</sub>O<sub>5</sub> - 49 ppm; K<sub>2</sub>O - 282 ppm; Organic Matter 2.3%

**Weed Control:** Karmex @ 2.0 lb/a + Dual II Magnum @ 2 pts/a + Staple @ 0.6 oz/acre (PRE)

**Fertilizer:** 50-15-0 lb/a broadcast pre-plant; 10-0-0 lb/acre broadcast as Urea

**Insecticides:** Orthene 6 oz/a - June 10, 2000, 6 oz/a - August 10, 2000

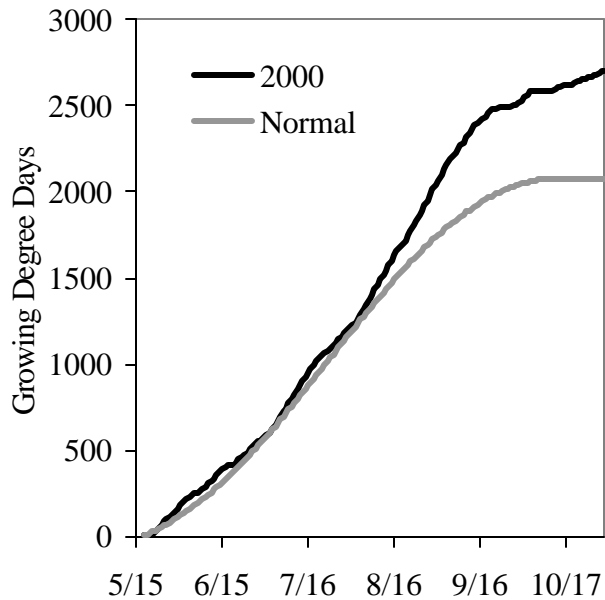
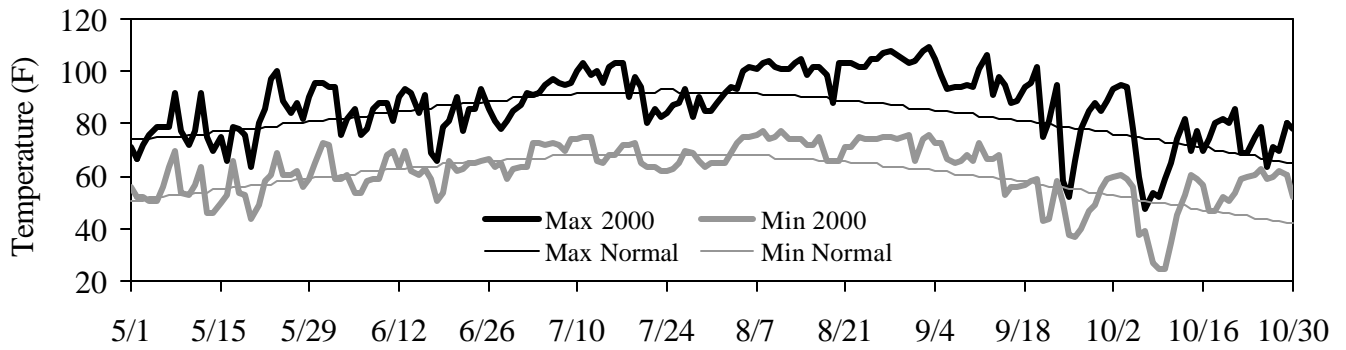
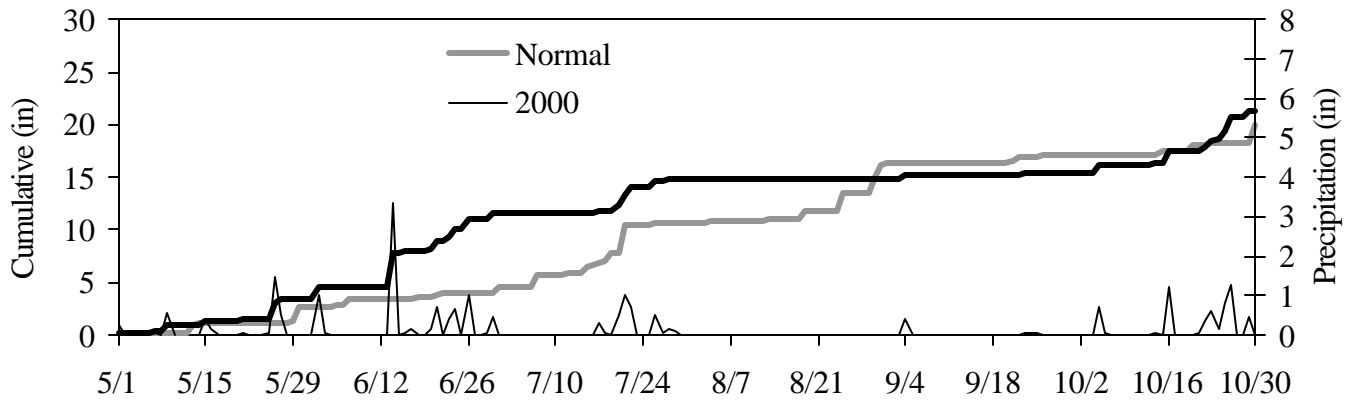
**Harvest Aids:** None

**Harvest Date:** October 18, 2000

Company	Variety	Yield lb/acre	Yield as %	
			of Avg.	Turnout %
Fibermax	958	215	105	0.278
Novartis	2108SS	227	111	0.288
Novartis	2165C	153	75	0.272
Novartis	DG256	189	93	0.263
Deltapine	388	261	128	0.318
Paymaster	2379RR	166	81	0.279
Paymaster	2145RR	245	120	0.318
Paymaster	2156RR	258	126	0.304
Paymaster	280	150	74	0.253
Paymaster	2280BGRR	174	85	0.297
Stoneville	ST239	181	89	0.272
Stoneville	BXN16	224	110	0.282
LSD <sub>(0.05)</sub>		49	24	0.018
Mean		204	100	0.285
C.V.		20	10	5.2

Company	Variety	Micronaire	Length	Uniformity	Strength	Color Grade	
Fibermax	958	4.1	32.3	78.4	24.0	51	4
Novartis	2108SS	4.2	31.0	79.2	22.7	52	3
Novartis	2165C	3.7	30.4	77.8	23.5	52	3
Novartis	DG256	3.8	31.4	79.1	25.1	41	4
Deltapine	388	4.5	31.0	79.3	22.3	72	2
Paymaster	2379RR	4.4	31.0	79.9	25.1	51	4
Paymaster	2145RR	4.2	30.7	78.0	22.5	62	3
Paymaster	2156RR	4.5	29.4	79.2	22.0	51	4
Paymaster	280	3.6	31.4	79.3	25.2	51	4
Paymaster	2280BGRR	3.8	32.0	80.1	26.5	51	4
Stoneville	ST239	4.7	30.7	81.0	24.1	51	4
Stoneville	BXN16	4.0	31.0	79.7	24.7	51	4
LSD <sub>(0.05)</sub>		0.4	1.0	1.1	1.8	--	
Mean		4.1	31.0	79.2	24.0	--	
C.V.		8.0	2.5	1.2	6.4	--	

## Sumner County Dryland Cotton Plot - 2000



	Temperature		Precipitation		GDD	
	2000	Normal	2000	Normal	2000	Normal
May	69	66	3.5	2.6	284	195
Jun	73	75	8.0	1.4	391	443
Jul	81	80	3.4	6.7	638	613
Aug	87	78	0.0	5.5	833	560
Sep	75	70	0.5	0.8	475	306
Oct	63	59	5.8	2.8	179	35
Sum/ Avg	75	71	21.2	19.9	2799	2151

## Summary of Dryland Cotton Yields.

Company	Variety	CL <sup>1</sup>	LB	2000			1999-2000		
				Lint Yield (lb/acre)			Avg	Avg	N
				RN	SF	SU			
Fibermax	958	164	345	222	310	215	<b>251</b>	--	--
Novartis	2108SS	178	502	349	294	227	<b>310</b>	--	--
Novartis	2165C	138	431	282	388	153	<b>278</b>	--	--
Novartis	DG256	163	446	317	371	189	<b>297</b>	--	--
Deltapine	388	136	437	254	185	261	<b>255</b>	317	6
Paymaster	2379RR	170	502	270	336	166	<b>289</b>	--	--
Paymaster	2145RR	123	385	386	329	245	<b>294</b>	354	7
Paymaster	2156RR	162	545	388	337	258	<b>338</b>	--	--
Paymaster	280	135	457	277	180	150	<b>240</b>	--	--
Paymaster	2280BGRR	143	502	271	390	174	<b>296</b>	389	7
Stoneville	ST239	147	399	314	404	181	<b>289</b>	--	--
Stoneville	BXN16	131	416	256	240	224	<b>253</b>	--	--

Company	Variety	CL	LB	% of Test Average			Avg	Avg	N
				RN	SF	SU			
Fibermax	958	110	77	74	99	106	<b>93</b>	--	--
Novartis	2108SS	119	112	117	94	112	<b>111</b>	--	--
Novartis	2165C	93	96	94	124	75	<b>96</b>	--	--
Novartis	DG256	109	100	106	118	93	<b>105</b>	--	--
Deltapine	388	91	98	85	59	128	<b>92</b>	98	6
Paymaster	2379RR	114	112	90	107	82	<b>101</b>	--	--
Paymaster	2145RR	82	86	129	105	121	<b>105</b>	103	7
Paymaster	2156RR	109	122	130	107	127	<b>119</b>	--	--
Paymaster	280	91	102	93	57	74	<b>83</b>	--	--
Paymaster	2280BGRR	96	112	91	124	86	<b>102</b>	107	7
Stoneville	ST239	98	89	105	129	89	<b>102</b>	--	--
Stoneville	BXN16	88	93	86	76	110	<b>91</b>	--	--

1 CL= Cowley, LB = Labette, RN = Reno, SF = Stafford, SU = Sumner.

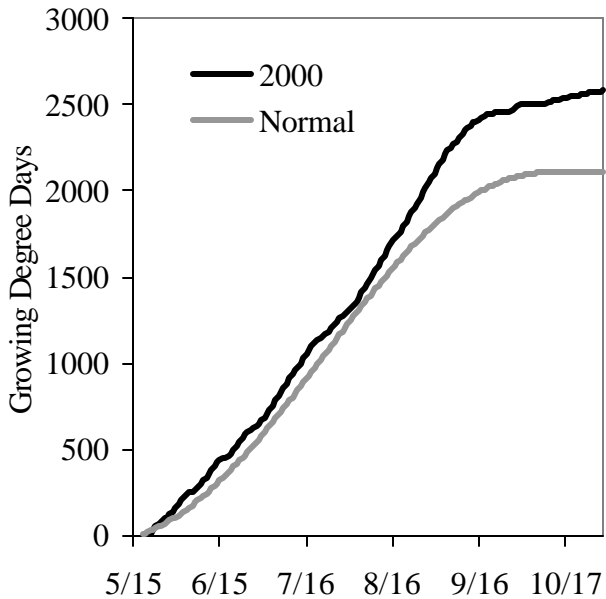
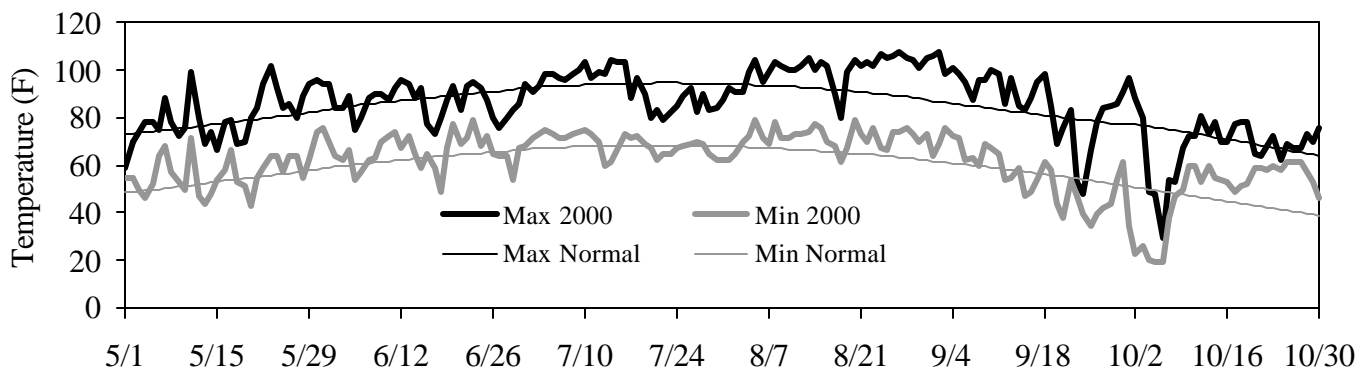
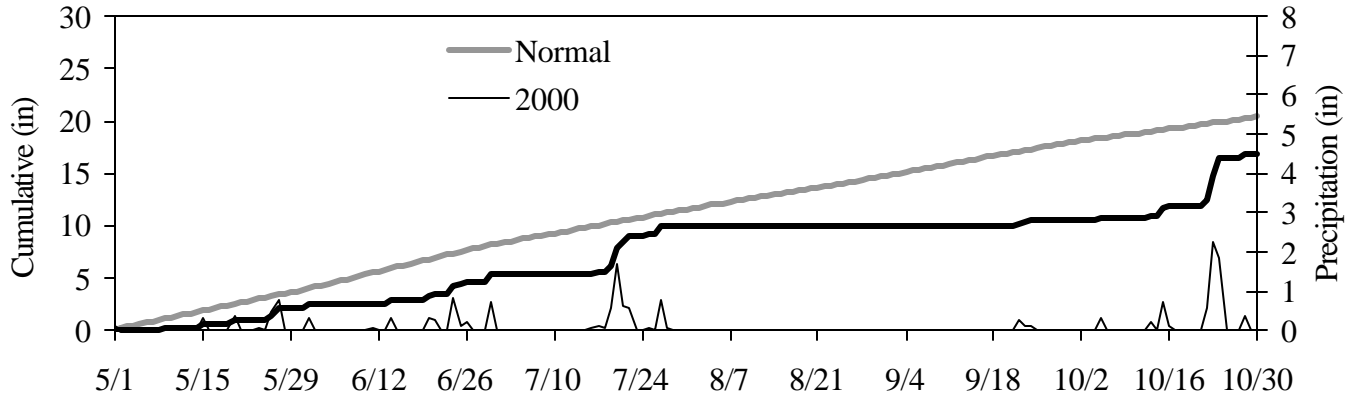
## Harvey County Irrigated Cotton Plot - 2000

**Cooperator:** Pardu Farms  
**Planting Date:** May 10, 2000  
**Seeding Rate:** 87,000 seed/acre  
**Previous Crop:** Cotton  
**Soil Type:** Naron fine sandy loam  
**Soil Test Results:** pH 6.8; P<sub>2</sub>O<sub>5</sub> - 58 ppm; K<sub>2</sub>O - 106 ppm; Organic Matter 1.4%  
**Weed Control:** Treflan @ 2 pts/a (Chemigation); Dual II Magnum @ 2 pts/a + Cotoran @ 2 pts/a + Staple @ 0.6 oz/acre (PRE)  
**Fertilizer:** 100-0-0 lb/a as anhydrous; 7-30-40 lb/a pre-plant  
**Insecticides:** Temik 15G @ 4 lb/a (in furrow)  
**Harvest Aids:** Prep @ 21oz/a + Defol 6 16 oz/a  
**Harvest Date:** November 10, 2000

Company	Variety	Yield lb/acre	Yield as % of Avg.	Turnout %	2 Year Average	
					Yield lb/acre	Test Avg %
Fibermx	958	984	106	0.306	--	--
Novartis	2108SS	760	82	0.284	--	--
Novartis	2165C	1046	112	0.333	--	--
Novartis	DG256	763	82	0.273	--	--
Deltapine	388	915	98	0.283	--	--
Paymaster	2379RR	949	102	0.270	--	--
Paymaster	2145RR	986	106	0.261	706	105
Paymaster	2156RR	932	100	0.272	--	--
Paymaster	280	827	89	0.255	--	--
Paymaster	2280BGRR	1083	116	0.307	835	127
Stoneville	ST239	920	99	0.278	--	--
Stoneville	BXN16	1008	108	0.268	--	--
LSD <sub>(0.05)</sub>		275	30	0.040	204	5
Mean		931	100	0.282	461	100
C.V.		20	2	11.9	26	21

Company	Variety	Micronaire	Length	Uniformity	Strength	Color	
						Grade	Grade
Fibermx	958	4.0	34.9	81.8	29.0	71	3
Novartis	2108SS	4.0	34.6	81.6	26.5	62	2
Novartis	2165C	4.0	34.2	81.9	27.3	62	3
Novartis	DG256	4.3	34.6	82.7	26.8	71	3
Deltapine	388	4.1	35.2	82.3	27.0	72	3
Paymaster	2379RR	4.1	33.9	81.7	26.9	72	3
Paymaster	2145RR	4.4	33.6	82.3	25.3	71	4
Paymaster	2156RR	3.8	33.0	80.9	25.3	62	3
Paymaster	280	4.2	35.5	82.4	28.4	71	4
Paymaster	2280BGRR	3.8	34.6	81.6	28.6	71	4
Stoneville	ST239	4.0	36.2	82.6	27.7	61	4
Stoneville	BXN16	4.2	34.6	82.0	26.1	61	4
LSD <sub>(0.05)</sub>		ns	ns	ns	ns	--	--
Mean		4.1	34.6	82.0	27.1	--	--
C.V.		6.2	2.8	1.2	6.4	--	--

## Harvey County Irrigated Cotton Plot - 2000



	Temperature		Precipitation		GDD	
	2000	Normal	2000	Normal	2000	Normal
May	69	66	2.2	3.9	290	171
Jun	76	75	3.2	4.3	477	463
Jul	81	81	4.6	3.4	636	650
Aug	86	78	0.0	3.1	802	573
Sep	72	69	0.5	3.3	390	282
Oct	59	58	6.4	2.4	86	23
Sum/ Avg	73	71	17.2	20.4	2631	2161



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