

**Dawson County Dryland Cotton RACE Trial**  
**Cooperator: Johnny Ray Todd**  
**Tommy Doederlein – Extension Agent – IPM, Dawson and Lynn Counties**

<b>Varieties:</b> Croplan Genetics 3885 B2XF FiberMax 2322 GL NexGen 3517 B2XF PhytoGen 444 WRF	Deltapine 1549 B2XF NexGen 3405 B2XF NexGen 4545 B2XF PhytoGen 499 WRF	Deltapine 1646 B2XF NexGen 3406 B2XF PhytoGen 333 WRF Stoneville 4946 GLB2
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Planting Date	Seeding Rate (per acre)	Plot Size	Season Rainfall <sup>1</sup> (inches)	Harvest Date
June 7	24,000	8 rows X 1,258 ft	18.61	December 19

<sup>1</sup>Estimated from Climate Fieldview™ Prime.

**Economic Results - Dawson County Dryland RACE Trial.**

Variety	Loan Value <sup>1</sup> (cents/lb.)	Lint Value <sup>2</sup> (\$ per acre)	Seed Value <sup>3</sup> (\$ per acre)	Gross Value (\$ per acre)	Seed Cost <sup>4</sup> (\$ per acre)	Gin Cost <sup>5</sup> (\$ per acre)	Bag & Tag <sup>6</sup>	Net Value (\$ per acre)
PHY 444 WRF	55.54	238.49	74.34	312.83	35.88	31.28	13.75	231.92
PHY 499 WRF	52.61	230.65	76.42	307.07	35.88	34.32	14.03	222.85
PHY 333 WRF	51.25	227.20	72.23	299.42	35.88	32.04	14.17	217.33
DP 1646 B2XF	55.05	224.27	66.28	290.53	36.99	29.58	13.05	210.92
NG 3405 B2XF	52.68	214.94	69.84	284.77	34.31	30.56	13.07	206.83
ST 4946 GLB2	50.79	208.19	74.27	282.46	38.25	31.74	13.12	199.34
DP 1549 B2XF	52.54	205.55	64.82	270.38	33.73	28.91	12.51	195.23
CG 3885 B2XF	53.43	199.66	66.79	266.45	38.07	27.74	11.96	188.69
FM 2322 GL	53.04	198.11	61.87	259.98	32.73	27.59	11.95	187.71
NG 3406 B2XF	50.91	193.51	66.13	259.65	34.31	29.43	12.14	183.77
NG 3517 B2XF	51.14	182.83	68.90	251.73	34.31	29.01	11.42	176.99
NG 4545 B2XF	51.21	182.71	64.69	247.39	34.31	28.05	11.44	173.60

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Lint Values/Acre = lint yield \* loan value.

<sup>3</sup>Seed Values/Acre = seed yield \* \$250/ton.

<sup>4</sup>Seed Cost/Acre = calculated using Plains Cotton Growers Seed Cost Calculator.

<sup>5</sup>Gin Cost = \$.250/cwt.

<sup>6</sup>Bag & Tag = \$16.00/500 lb. bale

**Varieties arranged by Net Value** (Shaded boxes are statistically the same - representing the top netting varieties.)

**Agronomic Results - Dawson County Dryland RACE Trial.**

Variety	Lint Yield (lbs./acre)	Lint Turnout (%)	Mic	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Seed Yield (lbs./acre)	Seed Turnout (%)
PHY 444 WRF	430	34	4.4	1.15	28.7	80.4	595	50
PHY 499 WRF	438	32	4.9	1.09	29.8	80.8	612	43
PHY 333 WRF	443	35	4.8	1.10	28.3	81.1	578	48
DP 1646 B2XF	408	35	4.7	1.18	29.2	80.6	530	45
NG 3405 B2XF	408	34	4.9	1.10	28.9	81.2	559	48
ST 4946 GLB2	410	32	5.0	1.08	30.1	80.6	594	48
DP 1549 B2XF	391	34	4.6	1.08	28.3	79.6	519	43
CG 3885 B2XF	374	34	4.8	1.08	27.6	80.2	534	50
FM 2322 GL	373	34	4.9	1.10	29.7	81.1	495	43
NG 3406 B2XF	379	32	4.6	1.07	28.7	79.8	529	45
NG 3517 B2XF	357	31	5.0	1.09	29.7	80.2	551	48
NG 4545 B2XF	357	32	5.2	1.08	28.9	80.1	518	48

**Experimental design:** Randomized complete block with 4 replications

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