

Grower / Cooperator: Tierra Verde Farms, Stanfield, AZ
Planting Date: 15 April 2010
Harvest Date: 15 December 2010

Final Irrigation: 28 October 2010
Soil Type: Dateland Fine Sandy Loam

Table. Lint yield and fiber quality results from the Upland cotton variety trial, Stanfield, AZ, 2010.

Seed Company	Variety	Lint Yield lbs/acre	Means Separation *			Lint Turnout	HVI Color	Staple 32nds	Strength g/tex	Length Inches	Uniformity Percent	Micronaire	Leaf Grade	Premium cent/lb	Value \$/acre
Monsanto	DP1044B2RF	1934.6	a			36.9	21	36	30.1	1.12	82.3	4.9	3	3.6	\$1,076.20
Bayer CropScience	ST4498B2F	1807.3	a	b		36.2	21	35	30.9	1.10	81.9	4.9	2	2.3	\$982.60
Phytogen	PHY565WRF	1785.1	a	b		37.5	21	36	30.3	1.12	81.3	4.7	2	4.5	\$1,007.81
Phytogen	PHY367WRF	1774.7	a	b	c	36.2	21	37	30.6	1.14	81.5	4.7	3	3.5	\$986.58
Monsanto	DP0935B2RF	1670.7		b	c	d	38.2	21	36	31.6	1.12	81.8	2	4.4	\$942.29
Monsanto	DP1032B2RF	1621.7		b	c	d	38.0	21	37	30.5	1.14	81.6	2	4.0	\$909.85
Phytogen	PHY375WRF	1609.3		b	c	d	37.2	21	35	29.0	1.09	81.2	2	2.3	\$870.59
Bayer CropScience	ST4288B2F	1540.1			c	d	34.0	21	36	30.1	1.13	80.7	2	4.2	\$865.25
Bayer CropScience	FM9170B2F	1454.9				d	35.8	21	36	31.1	1.14	81.7	3	4.3	\$819.28
LSD§		243.3				NS	---	NS	NS	NS	NS	NS	NS	NS	\$121.66
OSL†		0.0178				0.0572	---	0.1707	0.6119	0.1526	0.4448	0.5491	0.4363	0.1809	0.0086
CV‡		8.3				3.9	---	2.1	1.4	1.8	0.9	3.5	19.9	31.2	7.5

*Means followed by the same letter are not statistically different according to a Fisher's least significant difference means separation test.

§ Least Significant Difference

† Observed Significance Level

‡ Coefficient of Variation