

Grower / Cooperator: Layton Farms and Ranches, Thatcher, AZ
Planting Date: 20 April 2010
Harvest Date: 28 October 2010

Final Irrigation: 10 September 2010
Soil Type: Grabe Clay Loam

Table. Lint yield and fiber quality results from the Variety Trial, Graham County, AZ, 2010.

Seed Company	Variety	Lint Yield lbs/acre	Means Separation *			Lint Turnout Percent	HVI Color 32nds	Staple Strength g/tex	Length Inches	Uniformity Percent	Micronaire	Leaf Grade	Premium cent/lb	Value \$/acre	
Phytogen	PHY367WRF	1846.2	a			34.6	21	37	29.9	1.15	81.3	3.5	2	4.0	\$1,034.61
Monsanto	DP1133B2RF	1837.4	a	b		36.8	21	37	30.0	1.17	82.1	3.8	2	4.6	\$1,041.71
Monsanto	DP0935B2RF	1759.7	a	b	c	35.8	21	36	28.6	1.12	80.3	3.7	2	4.7	\$997.34
Bayer CropScience	ST4498B2F	1751.7	a	b	c	33.5	21	36	29.7	1.13	80.9	3.7	2	5.1	\$999.45
Bayer CropScience	FM9170B2F	1708.7	a	b	c	33.5	21	38	30.0	1.17	80.3	3.5	2	3.2	\$942.68
Phytogen	PHY565WRF	1704.5	a	b	c	34.3	21	37	30.0	1.16	80.7	3.6	2	5.2	\$974.41
Monsanto	DP1044B2RF	1704.1	a	b	c	33.3	21	37	28.3	1.15	81.2	3.7	2	4.9	\$969.63
Monsanto	DP164B2RF	1666.1	a	b	c	33.6	21	38	29.3	1.19	80.8	3.8	2	5.1	\$951.62
Phytogen	PHY755WRF	1621.2		b	c	32.4	21	39	31.3	1.23	82.1	3.7	2	5.4	\$930.72
Bayer CropScience	ST4288B2F	1572.3			c	31.2	21	37	29.3	1.15	80.7	3.9	2	5.1	\$897.68
LSD§		NS				2.6	-	1	1.2	0.03	NS	NS	-	NS	NS
OSL†		0.3086				0.0002	-	0.0007	0.0030	0.0003	0.0728	0.6179	-	0.3032	0.4516
CV‡		8.3				4.5	-	1.9	2.3	1.7	1.0	7.5	-	20.4	8.9

*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