

Grower / Cooperator: A Tumbling T Ranches, Goodyear, AZ
Planting Date: 30 May 2010
Harvest Date: 22 November 2010

Final Irrigation: 30 September 2010
Soil Type: Gilman loam

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

Seed Company	Variety	Lint Yield lbs/acre	Means Separation *	Lint Turnout Percent	HVI Color	Staple 32nds	Strength g/tex	Length Inches	Uniformity Percent	Micronaire	Leaf Grade	Premium cent/lb	Value \$/acre
Monsanto	DP1044B2RF	2088.8	a	32.4	31	38	31.4	1.18	83.1	4.2	3	4.5	\$1,180.62
Monsanto	DP1032B2RF	1903.8	a b	34.9	31	38	30.2	1.18	81.7	4.2	2	4.6	\$1,077.82
Bayer CropScience	FM9170B2F	1891.8	b	32.8	31	39	32.1	1.20	82.4	3.9	3	3.4	\$1,048.09
Phytogen	PHY375WRF	1824.4	b c	32.9	31	37	29.2	1.17	81.9	4.3	3	4.2	\$1,025.33
Monsanto	DP0912B2RF	1774.1	b c d	31.8	31	37	30.7	1.13	82.1	4.8	3	4.1	\$995.32
Phytogen	PHY367WRF	1748.0	b c d	31.8	31	38	31.9	1.17	82.5	4.3	3	4.6	\$989.84
Bayer CropScience	ST4288B2F	1669.2	c d	29.1	31	37	30.1	1.17	81.5	4.4	3	3.0	\$918.97
Monsanto	DP1034B2RF	1617.8	d	33.6	21	39	29.5	1.22	83.0	4.1	3	4.7	\$917.36
Monsanto	DP1028B2RF	1617.7	d	34.0	21	37	29.2	1.16	81.9	4.4	2	4.8	\$918.46
Monsanto	DP161B2RF	1615.8	d	29.0	31	39	32.0	1.21	82.3	4.1	3	4.5	\$912.89
Phytogen	PHY565WRF	1614.9	d	31.5	31	39	32.3	1.21	82.9	3.9	3	4.6	\$914.03
Bayer CropScience	ST4498B2F	1607.3	d	30.5	31	38	32.9	1.16	83.2	4.3	4	4.0	\$899.91
LSD§		192.1		1.7	-	1	1.8	0.04	NS	0.3	0.8	NS	\$119.65
OSL†		0.0025		0.0002	-	0.0167	0.0067	0.0104	0.2472	0.0015	0.0385	0.2883	0.0058
CV‡		5.0		2.4	-	1.5	2.7	1.5	0.8	2.9	13.4	15.5	5.5

*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