

Grower / Cooperator: David Stambaugh Farms. Eloy, AZ
Planting Date: 18 April 2010
Harvest Date: 13 October 2010

Final Irrigation: 25 August 2010
Soil Type: Marana Silty Clay Loam

Table. Lint yield and fiber quality results from the Bayer CropScience Cotton Agronomic Performance (CAP) Trial, Eloy, 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
Bayer Crop Science	BCSX1030B2F	2401.4	a	35.0	21	37	27.6	1.17	82.4	4.0	2	5.1	\$1,370.53
Bayer Crop Science	ST4288B2F	2223.0	a b	31.6	21	38	29.5	1.18	81.4	4.2	2	5.0	\$1,266.55
Bayer Crop Science	FM1740B2F	2205.2	a b	35.2	21	37	29.2	1.16	82.1	4.4	2	4.9	\$1,255.63
Bayer Crop Science	ST4498B2F	2203.0	a b	34.0	21	37	32.1	1.17	82.9	4.1	2	5.7	\$1,270.02
Bayer Crop Science	BCSX1010B2F	2151.6	a b c	33.7	21	38	29.4	1.19	81.2	4.1	2	5.1	\$1,228.81
Bayer Crop Science	BCSX1040B2F	2002.4	b c	30.0	21	40	29.2	1.24	82.5	4.2	2	5.1	\$1,144.04
Monsanto	DP1034B2RF	1949.2	b c	35.3	21	38	28.1	1.20	81.8	4.1	2	5.0	\$1,111.32
Bayer Crop Science	FM9170B2F	1874.5	c d	33.7	21	38	29.4	1.19	81.6	3.8	2	5.1	\$1,069.57
Bayer Crop Science	FM9160B2F	1649.1	d e	32.2	21	37	28.0	1.17	81.0	3.9	2	5.0	\$939.88
Bayer Crop Science	BCSX1160B2F	1477.1	e	31.2	21	37	28.2	1.15	79.8	3.4	2	2.9	\$813.94
LSD§		296.3		1.2	---	2	1.6	0.05	1.2	0.4	---	0.8	\$174.31
OSL†		0.0001		0.0001	---	0.0259	0.0007	0.0701	0.0019	0.0014	---	0.0002	0.0001
CV‡		8.6		2.0	---	2.4	3.1	2.5	0.8	5.3	---	9.6	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