2013 Soybean Top 30 Harvest Report

Minnesota South [MNSO] JEFFERS Rick Quade, Cottonwood County, MN 56083



Corn / Surpass, Roundup PREV. CROP/HERB:

SOIL DESCRIPTION: Wilmonton clay loam, mod. well drained, non-irrigated

Mod. High P, high K, 5.8 pH, 3% OM, low SCN SOIL CONDITIONS:

Conventional w/ fall till TILLAGE/CULTIVATION:

PEST MANAGEMENT: Roundup w/ Resource fb Roundup

SEEDED - RATE - ROW: Jun 7 154,220 /A 30" Spacing

HARVESTED - STAND: Oct 11 135,900 /A **Early-Season Test** 1.6 - 1.9 Day CRM S2013MNSO11a

Top 30 of 36

Sorted for YIELD Average of (3) Replications

HARVESTED - STAND.	OCI 11 155,91	00 /A						717010	igo oi (o) i	topiloution.
				SCN	Seed	Yield	Moisture	Lodging	Stand	Gross
Company/Brand	Product/Brand†	Technol.†	Mat.	Resist.	Trmt.†	▼ Bu/A ▼	%	%	(x 1000)	Income
Wensman	W 3160NR2	RR2Y	1.6	R	AC,PV	53.8	8.9	0	139.9	\$686
Gold Country	2040	RR2Y	2.0	R	ACi	53.1	9.6	0	136.5	\$677
Prairie Brand	PB-1722R2	RR2Y	1.7	R	CMBV	51.8	8.5	0	134.5	\$660
Wensman	W 3200NR2	RR2Y	2.0	R	AC,PV	51.3	9.6	0	132.1	\$654
Stine	16RA02 §	RR2Y	1.6	R	CMB	50.7	8.7	0	139.9	\$646
SOI	1741NRR2Y	RR2Y	1.7	R	CMB	50.6	8.7	0	132.6	\$645
Prairie Brand	PB-1566R2	RR2Y	1.6	R	CMBV	50.5	8.7	0	137.0	\$644
Prairie Brand	PB-1843R2	RR2Y	1.8	R	CMBV	50.2	9.2	0	128.7	\$640
Gold Country	1943	RR2Y	1.9	R	ACi	49.9	8.8	0	136.5	\$636
Channel	1805R2	RR2Y	1.8	MR	ACi	49.8	9.1	0	140.8	\$635
Asgrow	AG1733 §	RR2Y	1.7	R	ACi	48.5	8.8	0	136.5	\$618
Latham	L1948R2	RR2Y	1.9	R	SS+	48.5	9.1	0	137.0	\$618
Channel	1503R2	RR2Y	1.5	R	ACi	48.5	9.3	0	137.0	\$618
NK Brand	S17-B3 §	RR2Y	1.7	R	CMBV	48.1	8.9	0	136.0	\$613
NuTech/G2 Gen	7171^	RR	1.7	R	SCE	47.9	8.5	0	134.1	\$611
Viking	1707R2N	RR2Y	1.7	R	ACi,Ex	47.7	8.8	0	137.9	\$608
LG Seeds	C1917R2	RR2Y	1.9	R	AC,PV	47.7	9.7	0	137.4	\$608
Latham	L1985R2	RR2Y	1.9	R	SS+	47.4	8.8	0	132.6	\$604
Pfister	17R27	RR2Y	1.7	R	CMB	47.3	8.7	0	138.9	\$603
Prairie Brand	PB-1982R2	RR2Y	1.8	R	CMBV	46.8	8.9	0	138.4	\$597
Titan Pro	TP-18R73	RR2Y	1.8	R	CMBV	46.7	8.9	0	136.5	\$595
Gold Country	1644	RR2Y	1.6	R	ACi	46.6	9.0	0	136.5	\$594
Dairyland	DSR-1808/R2Y	RR2Y	1.8	R	CMB,O	46.5	9.0	0	134.5	\$593
Pioneer	91Y92 §	RR	1.9	R	EE,G	46.4	8.2	0	136.0	\$592
Renk	RS183NR2	RR2Y	1.8	R	CMB,O	46.4	9.5	0	134.1	\$592
Advantage	ADV1811CR2	RR2Y	1.8	R	None	46.0	8.7	0	127.8	\$587
Viking	1984R2N	RR2Y	1.9	R	ACi,Ex	45.8	9.9	0	133.1	\$584
Mustang	16624	RR2Y	1.6	R	AC	45.1	8.6	0	137.9	\$575
Hefty	H18Y12	RR2Y	1.8	MR	1	44.7	8.9	0	135.5	\$570
Pioneer	91Y81 §	RR	1.8	R	EE,G	44.0	9.1	0	138.4	\$561
Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex	51.9	9.0	0	138.4	\$662
m				Test	Average =	47.6	8.9	0	135.9	\$607
/ lask	Juerna	_		LS	SD(0.10) =	4.6	0.4	ns		
mark.querna@first	seedtests.com, (507) 3	380-9920			C.V. =	7.1	3.0			
Yield & Income Facto	rs: Base Moisture	- 13.0%		Shrink =	- 13	Drvina =	\$0.020	Price =	\$12.75	Local GM

TEST COMMENTS: Excessive rainfall from April through June delayed planting and crop development. Mild hail fell on July 21st, but did not affect the test greatly. Rick also stated that a hail storm on Labor Day weekend did lower yields around the plot. Rick sprayed Lorsban to control aphids on August 15th. Plants were short at harvest, and yields were about 10 bpa lower here than in Rick's best fields.

Shrink = 1.3

Drying = \$0.020

products, § = United Soybean Board entry; ns = not significantly different.

Additional reports and searchable database available at www.firstseedtests.com

Base Moisture = 13.0%

Report date: 10/18/2013 Revised:

Yield & Income Factors:

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n/a

Non-GMO

[†] See last page for additional information. Results in **bold** are significantly above the test average. **CK** = check and **GC** = grower comparison

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SOIL DESCRIPTION: Wilmonton clay loam, mod. well drained, non-irrigated Mod. High P, high K, 5.8 pH, 3% OM, low SCN SOIL CONDITIONS:

TILLAGE/CULTIVATION: Conventional w/ fall till

Roundup w/ Resource fb Roundup PEST MANAGEMENT:

SEEDED - RATE - ROW: Jun 7 154.220 /A 30" Spacing

HARVESTED - STAND: Oct 11 137 700 // **Full-Season Test** 2 - 2.3 Day CRM S2013MNSO11b

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Sorted for YIELD Average of (3) Replications

Company/Brand Product/Brand† Technol.† Mat. Resist. Trmt.† Bu/A % % (x 1000) Incor Dyna-Gro S20RY94 RR2Y 2.0 R ACI 54.0 9.5 0 138.9 \$88 Stine 20RD20 § RR2Y 2.0 R CMB 52.2 11.5 0 136.5 \$66 Prairie Brand PB-2024R2 RR2Y 2.0 R CMBV 51.4 11.4 0 137.0 \$65 Channel 2306R2 RR2Y 2.3 R ACI 50.7 11.1 0 138.9 \$64 Renk RS213NR2 RR2Y 2.0 R CMB,O 50.7 11.8 0 138.9 \$64 LG Seeds C2050R2 RR2Y 2.0 R AC,PV 50.1 9.1 0 132.6 \$63 Pfister 20R23 RR2Y 2.0 R None 49.4 11.1 0 138.4	HARVESTED - STAND:	Oct 11 1	37,700 /A						Avera	ge of (3) R	Replication
Dyna-Gro					SCN	Seed			Lodging	Stand	Gross
Stine	Company/Brand	Product/Bran	d† Technol.†	Mat.	Resist.	Trmt.†	▼ Bu/A	%	%	(x 1000)	Income
Prairie Brand PB-2024R2 RR2Y 2.0 R CMBV 51.4 11.4 0 137.0 \$65 Channel 2306R2 RR2Y 2.3 R AGI 50.7 11.1 0 138.9 \$64 Renk RS213NR2 RR2Y 2.1 R CMB,O 50.7 11.8 0 138.9 \$64 Titan Pro 20M1 RR2Y 2.0 R CMBV 50.3 8.9 0 137.0 \$65 Pitter 20R23 RR2Y 2.0 R AC,PV 50.1 9.1 0 132.6 \$63 Pitter 20R23 RR2Y 2.0 R None 49.4 11.1 0 138.4 \$63 NorthStar NS 1916NR2 RR2Y 1.9 R AC, PV 49.2 9.9 0 138.9 \$64 Pitter 20R23 RR2Y 2.2 R AC,PV 49.2 9.9 0 138.9 \$64 Pitter 20R23 RR2Y 2.1 R None 49.4 11.1 0 138.4 \$63 Pitter 20R23 RR2Y 2.2 R AC,PV 49.2 9.9 0 138.9 \$64 Pitter 20R23 RR2Y 2.1 R None 49.0 9.3 0 134.1 \$62 Pitter 20R23 RR2Y 2.1 R None 49.0 9.3 0 134.1 \$62 Pitter 20R23 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Pitter 20R23 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Pitter 20R23 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Pitter 20R23 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Pitter 20R23 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.9 \$64 Pitter 20R23 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.9 \$64 Pitter 20R23 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.9 \$64 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 137.9 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 137.9 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 137.9 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 20R23 RR2Y 2.2 R AC,PV 48.3 10.2 0 141.3 \$61 Pitter 2	Dyna-Gro	S20RY94	RR2Y	2.0	R	ACi	54.0	9.5	0	138.9	\$689
Channel 2306R2 RR2Y 2.3 R ACi 50.7 11.1 0 138.9 \$64 Renk RS213NR2 RR2Y 2.1 R CMB,O 50.7 11.8 0 138.9 \$64 Renk RS213NR2 RR2Y 2.0 R CMB,O 50.7 11.8 0 138.9 \$64 Renk RS213NR2 RR2Y 2.0 R CMBV 50.3 8.9 0 137.0 \$64 LG Seeds C2050R2 RR2Y 2.0 R AC,PV 50.1 9.1 0 132.6 \$63 Pflister 20R23 RR2Y 2.0 R None 49.4 11.1 0 138.4 \$63 NorthStar NS 1916NR2 RR2Y 1.9 R ACi 49.3 8.8 0 137.5 \$62 Wensman W 3222NR2 RR2Y 2.2 R AC,PV 49.2 9.9 0 138.9 \$62 Jung 1212RR2 RR2Y 2.1 R None 49.0 9.3 0 138.4 \$62 Jung 1212RR2 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Jung 1212RR2 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Jung 1201RR2 RR2Y 2.2 R None 48.6 9.5 0 140.8 \$62 Jung 1201RR2 RR2Y 2.2 MR ACi 48.4 10.0 0 137.9 \$61 Junyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 9.9 0 137.9 \$61 Junyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 10.2 0 141.3 \$61 Stine 22RD00 \$ RR2Y 2.2 MR CMB 48.2 10.3 0 139.9 \$61 Titan Pro 22M12 RR2Y 2.2 R None 47.8 9.9 0 137.0 \$60 Asgrow AG2031 \$ RR2Y 2.2 R None 47.8 9.9 0 137.0 \$60 Asgrow AG2031 \$ RR2Y 2.2 R ACi 47.6 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 2.2 R SS+ 47.4 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 2.1 R None 47.3 9.1 0 137.5 \$60 Advantage ADV2085CR2 RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG2032 \$ RR2Y 2.2 R ACi 46.6 13.8 0 136.5 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.2 0 137.0 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.2 0 137.0 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.2 0 137.0 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.2 0 137.0 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.2 0 137.0 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.3 0 139.9 \$61 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.3 0 139.9 \$61 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.3 0 137.0 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.3 0 139.9 \$61 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.3 0 137.0 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.3 0 137.7 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.3 0 137.7 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.3 0 137.7 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.3 0 137.7 \$59 Asgrow AG2032 \$ RR2Y 2.1 R ACi 46.6 10.3 0 137.7 \$59 Asgr	Stine	20RD20 §	RR2Y	2.0	R	CMB	52.2	11.5	0	136.5	\$666
Renk RS213NR2 RR2Y 2.1 R CMB,O 50.7 11.8 0 138.9 \$64 Titan Pro 20M1 R2Y 2.0 R CMBV 50.3 8.9 0 137.0 \$64 LG Seeds C2050R2 RR2Y 2.0 R AC,PV 50.1 9.1 0 132.6 \$63 NorthStar NS 1916NR2 RR2Y 1.9 R ACI 49.3 8.8 0 137.5 \$62 Wensman W 3222NR2 RR2Y 2.2 R AC,PV 49.2 9.9 0 138.9 \$62 Jung 1212RR2 RR2Y 2.1 R None 49.0 9.3 0 134.1 \$62 LG Seeds C222R2 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$63 Jung 1201RR2 RR2Y 2.0 R None 49.0 9.3 0 134.1 \$62 Jung 1201RR2 RR2Y 2.0 R None 49.0 9.3 0 134.1 \$62 Jung 1201RR2 RR2Y 2.1 R None 49.0 9.3 0 134.1 \$62 Jung 1201RR2 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Jung 1201RR2 RR2Y 2.2 R NONE 48.6 9.5 0 140.8 \$62 Jung 1201RR2 RR2Y 2.2 MR ACi 48.4 10.0 0 137.9 \$61 Dairyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 9.9 0 137.9 \$61 Dairyland DSR-2250/R2Y RR2Y 2.2 R CMBV 48.3 10.2 0 141.3 \$61 Stine 22RD00 \$ RR2Y 2.2 MR CMB,O 48.3 10.2 0 141.3 \$61 Stine 22RD00 \$ RR2Y 2.2 MR CMB 48.2 10.3 0 139.9 \$61 Stine 22RD00 \$ RR2Y 2.2 MR CMB 48.2 10.3 0 139.9 \$61 Renk RS224MR2 RR2Y 2.2 R None 47.8 9.9 0 137.0 \$60 Gold Country 2243 RR2Y 2.2 R ACI 47.6 9.9 0 138.9 \$60 Asgrow AG2031 \$ RR2Y 2.2 R ACI 47.5 7.5 0 138.4 \$60 Latham L2253R2 RR2Y 2.2 R SS+ 47.4 9.9 0 138.9 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACI 46.9 9.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R ACI 46.9 9.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R ACI 46.6 13.8 0 136.5 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2084R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2084R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2084R2 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$59 Viking 2000R2N CK RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$59 Viking 2000R2N CK RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$59 Viking 2000R2N CK RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$59 Viking 2000R2N CK RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$59 Viking 2000R2N CK RR2Y 2.1 MR CMBV 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns	Prairie Brand	PB-2024R2	RR2Y	2.0	R	CMBV	51.4	11.4	0	137.0	\$655
Titan Pro 20M1 RR2Y 2.0 R CMBV 50.3 8.9 0 137.0 \$64 LG Seeds C2050R2 RR2Y 2.0 R AC,PV 50.1 9.1 0 132.6 \$63 RC2Y 2.0 R None 49.4 11.1 0 138.4 \$63 NorthStar NS 1916NR2 RR2Y 1.9 R ACi 49.3 8.8 0 137.5 \$62 Wensman W 3222NR2 RR2Y 2.2 R AC,PV 49.2 9.9 0 138.9 \$62 Jung 1212RR2 RR2Y 2.1 R None 49.0 9.3 0 134.1 \$62 LG Seeds C222R2 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Jung 1201RR2 RR2Y 2.0 R None 48.6 9.5 0 140.8 \$62 Dyna-Gro 522RY64 RR2Y 2.2 MR ACi 48.4 10.0 0 137.9 \$61 Dairyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 9.9 0 137.9 \$61 Stine 22RD0 § RR2Y 2.2 R CMBV 48.3 10.2 0 141.3 \$61 Stine 22RD0 § RR2Y 2.2 R NONE 48.2 10.3 0 139.9 \$61 Renk RS224NR2 RR2Y 2.2 R NONE 47.8 9.9 0 137.0 \$60 Gold Country 2243 RR2Y 2.2 R NONE 47.8 9.9 0 137.0 \$60 Advantage ADV2085CR2 RR2Y 2.0 R ACi 47.6 9.9 0 138.9 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R ACi 46.9 9.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R ACi 46.9 9.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R ACi 46.9 9.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R ACi 46.9 9.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R ACi 46.9 9.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R ACi 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.7 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.6 10.3 0 137.7 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.6 10.3 0 137.7 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.3 0 137.7 \$59 Dai	Channel	2306R2	RR2Y	2.3	R	ACi	50.7	11.1	0	138.9	\$646
LG Seeds C2050R2 RR2Y 2.0 R AC,PV 50.1 9.1 0 132.6 \$63 Pfister 20R23 RR2Y 2.0 R None 49.4 11.1 0 138.4 \$63 NorthStar NS 1916NR2 RR2Y 1.9 R ACi 49.3 8.8 0 137.5 \$62 Wensman W 3222NR2 RR2Y 2.2 R AC,PV 49.2 9.9 0 138.9 \$62 Jung 1212RR2 RR2Y 2.1 R None 49.0 9.3 0 134.1 \$62 LG Seeds C222R2 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Jung 1201RR2 RR2Y 2.0 R None 48.6 9.5 0 140.8 \$62 Jung 1201RR2 RR2Y 2.0 R None 48.6 9.5 0 140.8 \$62 Jung 1201RR2 RR2Y 2.2 MR ACi 48.4 10.0 0 137.9 \$61 Dairyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 10.2 0 141.3 \$61 Titan Pro 22M12 RR2Y 2.2 MR CMB,O 48.3 10.2 0 141.3 \$61 Stine 22RD00 § RR2Y 2.2 MR CMB 48.3 10.2 0 141.3 \$61 Stine 22RD00 § RR2Y 2.2 R None 47.8 9.9 0 137.0 \$60 Gold Country 2243 RR2Y 2.0 R ACi 47.6 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 2.0 R ACi 47.6 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 2.1 R None 47.3 9.1 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG2031 § RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.1 R CMB,O 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns Test Average = 46.6 10.3 0 137.7 \$59	Renk	RS213NR2	RR2Y	2.1	R	CMB,O	50.7	11.8	0	138.9	\$646
Pfister 20R23 RR2Y 2.0 R None 49.4 11.1 0 138.4 \$63 NorthStar NS 1916NR2 RR2Y 1.9 R ACi 49.3 8.8 0 137.5 \$62 Wensman W 3222NR2 RR2Y 2.2 R AC,PV 49.2 9.9 0 138.9 \$62 Jung 1212RR2 RR2Y 2.1 R None 49.0 9.3 0 134.1 \$62 LG Seeds C222R2 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Jung 1201RR2 RR2Y 2.0 R None 48.6 9.5 0 140.8 \$62 Jung 1201RR2 RR2Y 2.2 MR AC,PV 48.7 10.3 0 138.4 \$62 Jung 1201RR2 RR2Y 2.2 MR AC,PV 48.7 10.3 0 137.9 \$61 Dairyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 9.9 0 137.9 \$61 Titlan Pro 22M12 RR2Y 2.2 MR CMB 48.3 10.2 0 141.3 \$61 Stine 22RD00 \$ RR2Y 2.2 MR CMB 48.2 10.3 0 139.9 \$61 Renk RS224NR2 RR2Y 2.2 R None 47.8 9.9 0 137.0 \$60 Gold Country 2243 RR2Y 2.2 R ACi 47.6 9.9 0 138.9 \$60 Asgrow AG2031 \$ RR2Y 2.2 R SS+ 47.4 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 1.7 R None 47.3 9.1 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 SOI 2013NRR2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.3 0 136.5 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$59 Dairyland DSR-2105/R2Y	Titan Pro	20M1	RR2Y	2.0	R	CMBV	50.3	8.9	0	137.0	\$641
NorthStar NS 1916NR2 RR2Y 1.9 R ACi 49.3 8.8 0 137.5 \$62 Wensman W 3222NR2 RR2Y 2.2 R AC,PV 49.2 9.9 0 138.9 \$62 Jung 1212RR2 RR2Y 2.1 R None 49.0 9.3 0 134.1 \$62 LG Seeds C222R2 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Jung 1201RR2 RR2Y 2.0 R None 48.6 9.5 0 140.8 \$62 Jung 1201RR2 RR2Y 2.0 R None 48.6 9.5 0 140.8 \$62 Jung 1201RR2 RR2Y 2.2 MR ACi 48.4 10.0 0 137.9 \$61 Dairyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 9.9 0 137.9 \$61 Titan Pro 22M12 RR2Y 2.2 R CMBV 48.3 10.2 0 141.3 \$61 Stine 22RD00 § RR2Y 2.2 MR CMB 48.2 10.3 0 139.9 \$61 Stine 22RD00 § RR2Y 2.2 MR CMB 48.2 10.3 0 139.9 \$61 Gold Country 2243 RR2Y 2.2 R None 47.8 9.9 0 137.0 \$60 Gold Country 2243 RR2Y 2.2 R ACi 47.6 9.9 0 138.9 \$60 Asgrow AG2031 § RR2Y 2.0 R ACi 47.5 7.5 0 138.4 \$60 Advantage ADV2085CR2 RR2Y 1.7 R None 47.3 9.1 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$50 NorthStar NS 2199NR2 RR2Y 2.1 R CMB 46.8 8.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.0 R CMB 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.3 0 137.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.3 0 137.9 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58	LG Seeds	C2050R2	RR2Y	2.0	R	AC,PV	50.1	9.1	0	132.6	\$639
Wensman W 3222NR2 RR2Y RR2Y RR2Y Wensman W 3222NR2 RR2Y RR2Y RR2Y RR2Y RR2Y RR2Y RR2	Pfister	20R23	RR2Y	2.0	R	None	49.4	11.1	0	138.4	\$630
Jung 1212RR2 RR2Y 2.1 R None 49.0 9.3 0 134.1 \$62 LG Seeds C2222R2 RR2Y 2.2 R AC,PV 48.7 10.3 0 138.4 \$62 Jung 1201RR2 RR2Y 2.0 R None 48.6 9.5 0 140.8 \$62 Dyna-Gro S22RY64 RR2Y 2.2 MR ACi 48.4 10.0 0 137.9 \$61 Dairyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 9.9 0 137.9 \$61 Titan Pro 22M12 RR2Y 2.2 R CMB,O 48.3 10.2 0 141.3 \$61 Stine 22RD00 § RR2Y 2.2 R CMB 48.2 10.3 0 139.9 \$61 Renk RS224NR2 RR2Y 2.2 R ACi 47.6 9.9 0 138.9 <td>NorthStar</td> <td>NS 1916NR2</td> <td>RR2Y</td> <td>1.9</td> <td>R</td> <td>ACi</td> <td>49.3</td> <td>8.8</td> <td>0</td> <td>137.5</td> <td>\$629</td>	NorthStar	NS 1916NR2	RR2Y	1.9	R	ACi	49.3	8.8	0	137.5	\$629
LG Seeds	Wensman	W 3222NR2	RR2Y	2.2	R	AC,PV	49.2	9.9	0	138.9	\$627
Jung 1201RR2 RR2Y 2.0 R None 48.6 9.5 0 140.8 \$62 Dyna-Gro S22RY64 RR2Y 2.2 MR ACi 48.4 10.0 0 137.9 \$61 Dairyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 9.9 0 137.9 \$61 Titan Pro 22M12 RR2Y 2.2 R CMB,O 48.3 10.2 0 141.3 \$61 Stine 22R000 § RR2Y 2.2 MR CMB 48.2 10.3 0 139.9 \$61 Stine 22R000 § RR2Y 2.2 MR CMB 48.2 10.3 0 139.9 \$61 Stine 22R002 R RCY 2.2 R None 47.8 9.9 0 138.9 \$60 Gold Country 2243 RR2Y 2.2 R ACi 47.5 7.5 0 138.4	Jung	1212RR2	RR2Y	2.1	R	None	49.0	9.3	0	134.1	\$625
Dyna-Gro S22RY64 RR2Y 2.2 MR ACi 48.4 10.0 0 137.9 \$61 Dairyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 9.9 0 137.9 \$61 Titan Pro 22M12 RR2Y 2.2 R CMBV 48.3 10.2 0 141.3 \$61 Stine 22RD00 \$ RR2Y 2.2 MR CMB 48.2 10.3 0 139.9 \$61 Renk RS224NR2 RR2Y 2.2 R None 47.8 9.9 0 137.0 \$60 Gold Country 2243 RR2Y 2.2 R ACi 47.6 9.9 0 138.9 \$60 Asgrow AG2031 \$ RR2Y 2.0 R ACi 47.5 7.5 0 138.4 \$60 Latham L2253R2 RR2Y 2.2 R SS+ 47.4 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 1.7 R None 47.3 9.1 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 SOI 2013NR2Y RR2Y 2.0 R CMB 46.8 8.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 \$ RR2Y 2.2 R ACi 46.6 13.8 0 136.5 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2084R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2084R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.6 10.3 0 137.7 \$59 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,EX 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 Test Average = 46.6 10.3 0 137.7 \$59 Test Average = 46.6 10.3 0 137.7 \$59 Test Average = 46.6 10.5	LG Seeds	C2222R2	RR2Y	2.2	R	AC,PV	48.7	10.3	0	138.4	\$621
Dairyland DSR-2250/R2Y RR2Y 2.2 MR CMB,O 48.3 9.9 0 137.9 \$61 Titan Pro 22M12 RR2Y 2.2 R CMBV 48.3 10.2 0 141.3 \$61 Stine 22RD00 § RR2Y 2.2 MR CMB 48.2 10.3 0 139.9 \$61 Renk RS224NR2 RR2Y 2.2 R None 47.8 9.9 0 137.0 \$60 Gold Country 2243 RR2Y 2.2 R ACi 47.6 9.9 0 138.9 \$60 Asgrow AG2031 § RR2Y 2.0 R ACi 47.5 7.5 0 138.4 \$60 Latham L2253R2 RR2Y 2.2 R SS+ 47.4 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 1.7 R None 47.3 9.1 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 SOI 2013NRR2Y RR2Y 2.0 R CMB 46.8 8.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG232 § RR2Y 2.2 R ACi 46.6 13.8 0 136.5 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2084R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2084R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Latham L2185R2 RR2Y 2.1 R SS+ 46.5 15.3 0 138.9 \$58 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Latham L2185R2 RR2Y 2.1 R SS+ 46.5 15.3 0 138.9 \$58 Latham L2185R2 RR2Y 2.1 R SS+ 46.5 15.3 0 138.9 \$58 Latham L2185R2 RR2Y 2.1 R SS+ 46.5 10.3 0 137.7 \$59 Latham L2084R2 RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 MAL Querra	Jung	1201RR2	RR2Y	2.0	R	None	48.6	9.5	0	140.8	\$620
Titan Pro	Dyna-Gro	S22RY64	RR2Y	2.2	MR	ACi	48.4	10.0	0	137.9	\$617
Stine	Dairyland	DSR-2250/R2	Y RR2Y	2.2	MR	CMB,O	48.3	9.9	0	137.9	\$616
Renk RS224NR2 RR2Y 2.2 R None 47.8 9.9 0 137.0 \$60 Gold Country 2243 RR2Y 2.2 R ACi 47.6 9.9 0 138.9 \$60 Asgrow AG2031 § RR2Y 2.0 R ACi 47.5 7.5 0 138.4 \$60 Latham L2253R2 RR2Y 2.2 R SS+ 47.4 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 1.7 R None 47.3 9.1 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 SOI 2013NR2Y RR2Y 2.0 R CMB 46.8 8.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,EX 50.9 9.0 0 136.5 \$64 CV. = 6.5 10.5	Titan Pro	22M12	RR2Y	2.2	R	CMBV	48.3	10.2	0	141.3	\$616
Gold Country 2243 RR2Y 2.2 R ACi 47.6 9.9 0 138.9 \$60 Asgrow AG2031 § RR2Y 2.0 R ACi 47.5 7.5 0 138.4 \$60 Latham L2253R2 RR2Y 2.2 R SS+ 47.4 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 2.1 R None 47.3 9.1 0 138.9 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 SOI 2013NRR2Y RR2Y 2.0 R CMB 46.8 8.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG2232 § RR2Y 2.2 R ACi 46.5 9.9 0 13	Stine	22RD00 §	RR2Y	2.2	MR	CMB	48.2	10.3	0	139.9	\$615
Asgrow AG2031 § RR2Y 2.0 R ACi 47.5 7.5 0 138.4 \$60 Latham L2253R2 RR2Y 2.2 R SS+ 47.4 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 1.7 R None 47.3 9.1 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 SOI 2013NRR2Y RR2Y 2.0 R CMB 46.8 8.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG2232 § RR2Y 2.2 R ACi 46.6 13.8 0 136.5 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 Acci 46.6 10.3 0 137.7 \$50 Acci 46.6 10.3 0 137.7 \$50 Acci 46.6 10.3 0 137.7 \$50 Acci 46.6 1	Renk	RS224NR2	RR2Y	2.2	R	None	47.8	9.9	0	137.0	\$609
Latham L2253R2 RR2Y 2.2 R SS+ 47.4 9.9 0 138.9 \$60 Advantage ADV2085CR2 RR2Y 1.7 R None 47.3 9.1 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 SOI 2013NRR2Y RR2Y 2.0 R CMB 46.8 8.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG2232 § RR2Y 2.2 R ACi 46.6 13.8 0 136.5 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,EX 50.9 9.0 0 136.5 \$64 Test Average 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns Test Average 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns	Gold Country	2243	RR2Y	2.2	R	ACi	47.6	9.9	0	138.9	\$607
Advantage ADV2085CR2 RR2Y 1.7 R None 47.3 9.1 0 137.5 \$60 NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 SOI 2013NRR2Y RR2Y 2.0 R CMB 46.8 8.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG2232 § RR2Y 2.2 R ACi 46.6 13.8 0 136.5 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns C.V. = 6.5 10.5	Asgrow	AG2031 §	RR2Y	2.0	R	ACi	47.5	7.5	0	138.4	\$606
NorthStar NS 2199NR2 RR2Y 2.1 R ACi 46.9 9.8 0 138.9 \$59 SOI 2013NRR2Y RR2Y 2.0 R CMB 46.8 8.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG2232 § RR2Y 2.2 R ACi 46.6 13.8 0 136.5 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns C.V. = 6.5 10.5	Latham	L2253R2	RR2Y	2.2	R	SS+	47.4	9.9	0	138.9	\$604
SOI 2013NRR2Y RR2Y 2.0 R CMB 46.8 8.8 0 137.0 \$59 Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG2232 § RR2Y 2.2 R ACi 46.6 13.8 0 136.5 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns mark.querna@firstseedtests.com, (507) 380-9920 C.V. = 6.5 10.5	Advantage	ADV2085CR2	RR2Y	1.7	R	None	47.3	9.1	0	137.5	\$603
Dairyland DSR-2105/R2Y RR2Y 2.1 R CMB,O 46.6 10.2 0 137.0 \$59 Asgrow AG2232 § RR2Y 2.2 R ACi 46.6 13.8 0 136.5 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 MAA Queria (507) 380-9920 C.V. = 6.5 10.5	NorthStar	NS 2199NR2	RR2Y	2.1	R	ACi	46.9	9.8	0	138.9	\$598
Asgrow AG2232 § RR2Y 2.2 R ACi 46.6 13.8 0 136.5 \$59 Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns mark.querna@firstseedtests.com, (507) 380-9920 C.V. = 6.5 10.5	SOI	2013NRR2Y	RR2Y	2.0	R	CMB	46.8	8.8	0	137.0	\$597
Hefty H21Y11 RR2Y 2.1 MR I 46.5 9.9 0 136.0 \$59 Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns mark.querna@firstseedtests.com, (507) 380-9920 C.V. = 6.5 10.5	Dairyland	DSR-2105/R2	Y RR2Y	2.1	R	CMB,O	46.6	10.2	0	137.0	\$594
Latham L2084R2 RR2Y 2.0 R SS+ 46.4 9.8 0 137.9 \$59 Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns mark.querna@firstseedtests.com, (507) 380-9920 C.V. = 6.5 10.5	Asgrow	AG2232 §	RR2Y	2.2	R	ACi	46.6	13.8	0	136.5	\$593
Latham L2185R2 RR2Y 2.1 R SS+ 46.2 15.3 0 138.9 \$58 Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns mark.querna@firstseedtests.com, (507) 380-9920 C.V. = 6.5 10.5	Hefty	H21Y11	RR2Y	2.1	MR	1	46.5	9.9	0	136.0	\$593
Titan Pro TP-21R63 RR2Y 2.1 MR CMBV 46.1 9.6 0 139.9 \$58 Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns mark.querna@firstseedtests.com, (507) 380-9920 C.V. = 6.5 10.5	Latham	L2084R2	RR2Y	2.0	R	SS+	46.4	9.8	0	137.9	\$592
Viking 2000R2N CK RR2Y 2.0 R ACi,Ex 50.9 9.0 0 136.5 \$64 Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns mark.querna@firstseedtests.com, (507) 380-9920 C.V. = 6.5 10.5	Latham	L2185R2	RR2Y	2.1	R	SS+	46.2	15.3	0	138.9	\$587
Test Average = 46.6 10.3 0 137.7 \$59 LSD (0.10) = 4.1 1.5 ns mark.querna@firstseedtests.com, (507) 380-9920 C.V. = 6.5 10.5	Titan Pro	TP-21R63	RR2Y	2.1	MR	CMBV	46.1	9.6	0	139.9	\$588
LSD (0.10) = 4.1 1.5 ns mark.querna@firstseedtests.com, (507) 380-9920	Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex	50.9	9.0	0	136.5	\$649
mark.querna@firstseedtests.com, (507) 380-9920	m 1 1				Test	Average =	46.6	10.3	0	137.7	\$594
\$12.75 Local (/Wh (Luerna			LS	SD(0.10) =	4.1	1.5	ns		
Vield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drving = \$0.020 Price = \$12.75 Local C	mark.querna@firsts	seedtests.com, (5	607) 380-9920			C.V. =	6.5	10.5			
	Vield & Income Factor	rs Base Mois	sture = 13.0%		Shrink -	- 13	Drying -	\$0.020	Price -	\$12.75	Local GM

TEST COMMENTS: Excessive rainfall from April through June delayed planting and crop development. Mild hail fell on July 21st, but did not affect the test greatly. Rick also stated that a hail storm on Labor Day weekend did lower yields around the plot. Rick sprayed Lorsban to control aphids on August 15th. Plants were short at harvest, and yields were about 10 bpa lower here than in Rick's best fields.

Shrink = 1.3

Drying = \$0.020

Additional reports and searchable database available at www.firstseedtests.com

Base Moisture = 13.0%

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n/a

Non-GMO

Report date: 10/18/2013 Revised:

Yield & Income Factors:

[†] See last page for additional information. Results in **bold** are significantly above the test average. **CK** = check and **GC** = grower comparison products, § = United Soybean Board entry; ns = not significantly different.



Early-Season Test Products (36 Total)

Advantage	Product/Brand	Technol.			Seed Trt	Company/Brand Product	/Brand	Technol.	Mat.	SCN Seed 7
=	ADV1811CR2	RR2Y	1.8	R	None					
Asgrow	AG1733 §	RR2Y	1.7	R	ACi					
Channel	1503R2	RR2Y	1.5	R	ACi					
Channel	1805R2	RR2Y	1.8	MR	ACi					
Dairyland	DSR-1808/R2Y	RR2Y	1.8	R	CMB,O					
Dyna-Gro	S19RY84	RR2Y	1.9	MR	ACi					
Gold Country	1644	RR2Y	1.6	R	ACi					
Gold Country	1943	RR2Y	1.9	R	ACi					
Gold Country	2040	RR2Y	2.0	R	ACi					
Hefty	H16R4	RR2Y	1.6	MR	1					
Hefty	H18Y12	RR2Y	1.8	MR	1					
Latham	L1948R2	RR2Y	1.9	R	SS+					
Latham	L1985R2	RR2Y	1.9	R	SS+					
LG Seeds	C1917R2	RR2Y	1.9	R	AC,PV					
Mustang	16624	RR2Y	1.6	R	AC					
NK Brand	S17-B3 §	RR2Y	1.7	R	CMBV					
NuTech/G2 Gen	7171^	RR	1.7	R	SCE					
NuTech/G2 Gen	7183^	RR	1.8	R	SCE					
Pfister	17R27	RR2Y	1.7	R	CMB					
Pioneer	91Y81 §	RR	1.8	R	EE,G					
Pioneer	91Y92 §	RR	1.9	R	EE,G					
Prairie Brand	PB-1566R2	RR2Y	1.6	R	CMBV					
Prairie Brand	PB-1722R2	RR2Y	1.7	R	CMBV					
Prairie Brand	PB-1843R2	RR2Y	1.8	R	CMBV					
Prairie Brand	PB-1982R2	RR2Y	1.8	R	CMBV					
Renk	RS183NR2	RR2Y	1.8	R	CMB,O					
Renk	RS184NR2	RR2Y	1.8	R	None					
SOI	1741NRR2Y	RR2Y	1.7	R	CMB					
Stine	16RA02 §	RR2Y	1.6	R	CMB					
Titan Pro	TP-18R73	RR2Y	1.8	R	CMBV					
Titan Pro	TP-19R23	RR2Y	1.9	MR	CMBV					
Viking	1707R2N	RR2Y	1.7	R	ACi,Ex					
Viking	1984R2N	RR2Y	1.9	R	ACi,Ex					
	2000R2N CK	RR2Y	2.0	R	ACi,Ex	-				
Viking	W 3160NR2	RR2Y	1.6		AC,PV					
Viking Wensman	WOUNKZ		2.0		AC,PV					



Full-Season Test Products (54 Total)

Company/Branc	d Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Advantage	ADV2085CR2	RR2Y	1.7	R	None	Titan Pro	20M1	RR2Y	2.0	R	CMBV
Asgrow	AG2031 §	RR2Y	2.0	R	ACi	Titan Pro	22M12	RR2Y	2.2	R	CMBV
Asgrow	AG2232 §	RR2Y	2.2	R	ACi	Titan Pro	23M9	RR2Y	2.3	S	CMBV
Channel	2105R2	RR2Y	2.1	MR	ACi	Titan Pro	TP-21R63	RR2Y	2.1	MR	CMBV
Channel	2306R2	RR2Y	2.3	R	ACi	Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex
Dairyland	DSR-2105/R2Y	RR2Y	2.1	R	CMB,O	Viking	2144R2N	RR2Y	2.1	R	None
Dairyland	DSR-2250/R2Y	RR2Y	2.2	MR	CMB,O	Wensman	W 3214NR2	RR2Y	2.1	R	AC,PV
Dairyland	DSR-2340/R2Y	RR2Y	2.3	MR		Wensman	W 3222NR2	RR2Y	2.2	R	AC,PV
Dyna-Gro	S20RY94	RR2Y	2.0	R	ACi	Wensman	W 3256NR2	RR2Y	2.5	MR	AC,PV
Dyna-Gro	S22RY64	RR2Y	2.2	MR							i
Gold Country	2143	RR2Y	2.1		ACi						
Gold Country	2243	RR2Y	2.2	R	ACi						
Hefty	H20R3	RR2Y	2.0	MR		-					
Hefty	H21Y11	RR2Y	2.1	MR							
Hefty	H23R3	RR2Y	2.3	MR							
Jung	1201RR2	RR2Y	2.0	R	None	-					
Jung	1212RR2	RR2Y	2.1	R	None						
Jung	1225RR2	RR2Y	2.2	R	None						
Kruger	K2-2301	RR2Y	2.3	S	ACi	-					
Kruger	K2-2303	RR2Y	2.3	MR							
Latham	L2084R2	RR2Y	2.0	R	SS+						
Latham	L2185R2	RR2Y	2.1	R	SS+	-					
Latham	L21B53R2	RR2Y	2.1	R	SS+						
Latham	L2253R2	RR2Y	2.2	R	SS+						
LG Seeds	C2050R2	RR2Y	2.0	R	AC,PV						
LG Seeds	C2222R2	RR2Y	2.2	R	AC,PV						
Mustang	21993	RR2Y	2.1	R	AC						
NK Brand	S20-T6 §	RR2Y	2.0	R	CMBV	-					
NK Brand	S22-F8 §	RR2Y	2.2	S	CMBV						
NorthStar	NS 1916NR2	RR2Y	1.9	R	ACi						
NorthStar	NS 2199NR2	RR2Y	2.1	R	ACi	-					
NuTech/G2 Gen		RR	2.0	R	SCE						
NuTech/G2 Gen		RR	2.1	R	SCE						
Pfister	20R23	RR2Y	2.0	R	None	-					
Pfister	22R20	RR2Y	2.2	R	None						
Pioneer	92Y22 §	RR	2.2	R	EE,G						
Prairie Brand	PB-2024R2	RR2Y	2.0	R	CMBV	-					
Prairie Brand	PB-2136R2	RR2Y	2.1	R	CMBV						
Prairie Brand	PB-2230R2	RR2Y	2.1	R	CMBV						
Prairie Brand	PB-2351R2	RR2Y	2.3	R	CMBV	-					
Renk	RS213NR2	RR2Y	2.3	R	CMB,O						
Renk	RS224NR2	RR2Y	2.1	R	None						
SOI	2013NRR2Y	RR2Y	2.0	R	CMB						
Stine	2013NRR21 20RD20 §	RR2Y RR2Y	2.0	R	CMB						
Stine	20RD20 § 22RD00 §	RR2Y RR2Y	2.0		CMB						
JIIIC	22ND00 3	NNZ I	۷.۷	IVIIX	CIVID						



Footnotes and Abbreviation Descriptions

Brand Footnotes

G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. RPM® brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaxx® and XL® are registered trademarks of DuPont Pioneer.
 CK Indentifies a check product included in early- and full-season tests.
 GC Grower Comparison product included by F.I.R.S.T. when space permits.
 § United Soybean Board sponsored entry

Soybean Technologies

None	Conventional, non-GMO
LL	LibertyLink®
RR	Roundup Ready® Soybeans
RR2Y	Genuity® Roundup Ready 2 Yield®
STS	STS® - sulfonylurea tolerant soybeans

Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybean Seed Treatments*

?	Information not provided	Ex	Excalibre™
Α	Allegience®	G	Gaucho®
AC	Acceleron® fungicide products	I	Inovate™ System
ACi	Acceleron® fungicide and insecticide products	None	untreated
AM	ApronMaxx®	0	Optimize®
AP	Apron XL®	PV	Poncho®/Votivo®
AVB	Avicta® Complete Beans	RS	Right Stand™
С	Cruiser®	SCE	SmartCote™ Extra
CC	CurryCoat™	SDPI	Servo DPI
CMB	CruiserMaxx® Beans	SS+	Soyshield Plus™
CMBV	CruiserMaxx® Beans with Vibrance	SStd	SureStand™
DPHB	DPH Boost™	Т	Trilex®
EE	Evergol™ Energy		

^{*} Seed treatments may include unspecified plant health promoting components.