

Test by: Southern MN FIRST New Richland, MN

2020 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] JACKSON, MN
Steve Ryberg, Jackson County, MN 56143

Early-Season Test	97 - 102 Day CRM B2020MNSW01a
Top 30 of 80	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Authority, Dicamba, Roundup
SOIL DESCRIPTION:	Nicollet clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, high K, 5.9 pH, 3.3% OM, 24.1 CEC
PEST MANAGEMENT:	Surpass, Force, Laudis, Atrazine
FERTILITY - Applied N:	143 Fall, 2# zinc, 12# sulfur
Applied N-P-K (units):	143-115-143
SEDED - RATE - ROW:	Apr 24 35.3 /A 30" spacing
HARVESTED - STAND:	Sep 30 33.5 /A

TEST COMMENTS:

Soil conditions were good at planting. Sunshine without extreme heat reduced plant stress. Steve noted that soil moisture through July was great, which fed the crop well going into a dry August. Plants stood very well at harvest, but stalk strength seemed average. The few lodged stalks were broken off below the ear. The ears were filled to the tip, and corn moisture was lower than anticipated.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEINE	7010	VT2P	100	267.7	20.2	0	33.5	881	1
NORTHSTAR	NS 98-513 STXRIB	STX,B	98	263.3	20.5	0	32.6	864	2
PIONEER	P9998Q GC	QR	99	261.9	21.2	0	34.8	851	4
<i>TITAN PRO</i>	<i>91-02</i>	<i>CONV</i>	<i>102</i>	<i>261.0</i>	<i>23.2</i>	<i>0</i>	<i>30.8</i>	<i>828</i>	<i>9</i>
MILLER HYBRIDS	M00-49	CONV	100	260.7	21.0	0	34.4	850	5
<i>TITAN PRO</i>	<i>26-00</i>	<i>5222,B</i>	<i>100</i>	<i>257.6</i>	<i>21.2</i>	<i>0</i>	<i>33.9</i>	<i>837</i>	<i>7</i>
GOLD COUNTRY	99-01R2P	VT2P	99	255.8	20.0	0	33.0	844	6
GOLDEN HARVEST	G02K39-5122-EZR	5122,B	102	254.1	21.3	0	33.5	825	10
GOLD COUNTRY	102-07	CONV	102	252.0	20.3	0	33.9	829	8
MILLER HYBRIDS	M02-73BGV	3220	102	251.9	21.4	0	34.4	817	14
DYNA-GRO	D40VC41	VT2P	100	251.3	20.6	0	34.4	824	11
<i>TITAN PRO</i>	<i>84-01 VT2PRIB</i>	<i>VT2P,B</i>	<i>101</i>	<i>250.2</i>	<i>21.4</i>	<i>0</i>	<i>31.2</i>	<i>812</i>	<i>15</i>
INTEGRA	5280 VT2PRIB	VT2P,B	102	250.0	20.7	0	32.6	818	13
ANDERSON	6811	CONV	100	249.2	20.2	0	33.5	820	12
DYNA-GRO	D43VC81	VT2P	102	248.5	21.5	0	33.9	805	18
FEDERAL	5280 CONV	CONV	101	246.6	20.4	0	32.6	810	17
PIONEER	P9772AM GC	AM,B	97	246.1	21.0	0	34.4	802	19
RENK	RK695GTCBLLBL	3220	102	245.7	20.9	0	33.0	802	20
VIKING	55-02	CONV	102	244.8	21.0	0	31.7	798	21
EPLEY	E1040 GC	CONV	100	244.4	19.4	0	34.4	812	16
DEKALB	DKC50-08RIB GC	STX,B	100	243.5	20.5	0	33.5	798	22
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	243.4	21.5	0	34.4	788	29
WYFFELS	W2506RIB	VT2P,B	101	242.8	20.5	0	33.0	796	23
DAIRYLAND	DS-4018AM	AM,AQ,B	101	242.6	20.9	0	33.9	792	25
NK BRAND	NK0243-5122-EZR	5122,B	102	241.8	20.5	0	33.9	793	24
HEINE	6575	VT2P	99	240.2	20.5	0	34.8	788	30
HEINE	6550VT2P	VT2P	99	240.1	20.3	0	34.4	789	28
WYFFELS	W1636RIB	VT2P,B	96	239.9	20.1	0	32.6	791	26
INTEGRA	4888 VT2PRIB	VT2P,B	98	239.9	20.1	0	33.0	791	27
ANDERSON	6909	CONV	98	237.4	19.7	0	33.5	787	31
DEKALB	DKC52-35RIB CK	VT2P,B	102	259.5	20.4	0	33.9	853	3

Mark Querna

Mark Querna

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Averages = **236.2** **20.5** **0** **33.5** **774**

LSD (0.10) = 19.3 0.7 ns

LSD (0.25) = 10.1 0.4 ns

C.V. = 7.8

Historic yield: 200.2 bu/a, 18 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.04 Prices: GMO = \$3.50

Report Date: 10/01/2020

Revised: 10/01/2020 Corrected a plot weight in full-season test, revised Top 30 and stats

Additional reports available at www.firstseedtests.com

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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2020 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] JACKSON, MN
Steve Ryberg, Jackson County, MN 56143

Full-Season Test	103 - 107 Day CRM B2020MNSW01b
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Authority, Dicamba, Roundup
SOIL DESCRIPTION:	Nicollet clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, high K, 5.9 pH, 3.3% OM, 24.1 CEC
PEST MANAGEMENT:	Surpass, Force, Laudis, Atrazine
FERTILITY - Applied N:	143 Fall, 2# zinc, 12# sulfur
Applied N-P-K (units):	143-115-143
SEDED - RATE - ROW:	Apr 24 35.3 /A 30" spacing
HARVESTED - STAND:	Sep 30 33.3 /A

TEST COMMENTS:

Soil conditions were good at planting. Sunshine without extreme heat reduced plant stress. Steve noted that soil moisture through July was great, which fed the crop well going into a dry August. Plants stood very well at harvest, but stalk strength seemed average. The few lodged stalks were broken off below the ear. The ears were filled to the tip, and corn moisture was lower than anticipated.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
VIKING	51-04	CONV	104	283.1	22.7	0	30.3	904	1
INTEGRA	5719 VT2PRIB	VT2P,B	107	276.0	23.5	0	34.8	872	2
GOLD COUNTRY	106-96RSS	STX,B	106	271.8	22.7	0	33.5	867	3
GOLDEN HARVEST	G06Q68-5222-EZR	5222,B	106	271.4	22.9	0	33.5	864	4
WYFFELS	W4246	VT2P	105	267.9	22.9	0	33.0	853	6
INTEGRA	5529 VT2PRIB	VT2P,B	105	265.9	21.8	0	33.9	858	5
NK BRAND	NK0624-5222-EZR	5222,B	106	265.2	22.6	0	34.8	848	7
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	260.9	23.6	0	32.6	823	12
HEFTY	H5522VT2PRIB	VT2P,B	105	260.0	22.9	0	33.9	828	9
PIONEER	P0589 CONV GC	CONV	105	259.9	21.9	0	34.4	838	8
TITAN PRO	24-04	E	104	259.1	23.2	0	31.2	822	13
LATHAM	LH 5739 SS RIB	STX,B	107	257.6	22.5	0	32.6	824	10
GOLD COUNTRY	104-11	CONV	104	256.5	22.8	0	33.0	817	14
HEINE	7450	VT2P	104	255.9	22.0	0	33.5	824	11
HI FIDELITY GENETICS	HFG1071	CONV	107	253.3	22.1	0	33.0	815	15
GOLDEN HARVEST	G03R40-5222-EZR	5222,B	103	252.8	22.8	0	34.4	806	16
RENK	RK726H	PC	106	248.5	23.4	0	33.9	787	20
GOLDEN HARVEST	G04G36-3111A	3111A	104	247.3	22.0	0	33.5	796	17
HEINE	7550	STX	106	246.4	23.9	0	33.0	774	22
HEFTY	H5524SSRIB	STX,B	105	246.3	22.5	0	33.5	788	19
RENK	RK700SSTX	STX	107	246.2	24.1	0	33.9	772	24
HEINE	7710	VT2P	107	246.0	24.2	0	33.9	770	27
DAIRYLAND	DS-4310AMRIB	AM,B	104	245.7	23.2	0	34.4	780	21
HEFTY	H5442VT2P	VT2P	104	245.4	21.7	1	34.4	793	18
VIKING	42-05	CONV	105	243.5	23.2	0	32.6	772	25
MILLER HYBRIDS	M05-72	CONV	105	243.4	23.0	0	32.1	774	23
PIONEER	P0688Q GC	QR	106	241.4	23.0	0	32.6	768	28
WYFFELS	W4196RIB	VT2P,B	105	241.3	22.6	0	33.5	772	26
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	238.8	22.1	0	31.7	768	29
ENESTVEDT	E539	CONV	103	236.0	21.3	0	33.9	767	30
DEKALB	DKC52-35RIB CK	VT2P,B	102	234.0	21.6	0	34.4	758	35

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Averages =	241.5	22.6	0	33.3	771
LSD (0.10) =	21.3	1.0	ns		
LSD (0.25) =	11.2	0.5	ns		
C.V. =	8.4				

Historic yield: 200.2 bu/a, 18 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.04 Prices: GMO = \$3.50

Report Date: 10/01/2020

Revised: 10/01/2020 Corrected a plot weight in full-season test, revised Top 30 and stats

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† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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2020 Corn - Minnesota Southwest [MNSW]

Early-Season Test Products (80 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
ANDERSON	609VT2P	VT2P,B	98	CM,C2,Vi
ANDERSON	611R	RR2	100	MQ
ANDERSON	6581	CONV	101	MQ
ANDERSON	6811	CONV	100	MQ
ANDERSON	6909	CONV	98	MQ
AUGUSTA	2545	5122,B	95	AVC,C2
AUGUSTA	3052	5222,B	102	AVC
DAIRYLAND	DS-3750AMRIB	AM,B	97	Lum,P1V
DAIRYLAND	DS-3810Q	QR,B	98	Lum,P1V
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	Lum,P1V
DAIRYLAND	DS-4014Q	QR,B	100	Lum,P1V
DAIRYLAND	DS-4018AM	AM,AQ,B	101	Lum,P5V
DEKALB	DKC47-54RIB GC	STX,B	97	AC,P5V,EDC-EL
DEKALB	DKC50-08RIB GC	STX,B	100	ACb
DEKALB	DKC52-35RIB CK	VT2P,B	102	AC,P5V,EDC-EL
DYNA-GRO	D40VC41	VT2P	100	AC,P5V,EDC-B
DYNA-GRO	D43VC81	VT2P	102	AC,P5V,EDC-B
ENESTVEDT	E600DP RIB	VT2P,B	100	AC,P5V
ENESTVEDT	E658DP RIB	VT2P,B	96	AC,P2
ENESTVEDT	E660SS RIB	STX,B	97	AC,P5V
ENESTVEDT	E696SS RIB	STX,B	100	AC,P5V
ENESTVEDT	E699DP RIB	VT2P,B	99	AC,P2
EPLEY	E1040 GC	CONV	100	Vi5
FEDERAL	5110 STX	STX	101	AC,P5V,MAG
FEDERAL	5280 CONV	CONV	101	CM,C2,Vi
GOLD COUNTRY	102-07	CONV	102	AC
GOLD COUNTRY	97-14R2P	VT2P	97	AC
GOLD COUNTRY	97-75R2P	VT2P	97	AC
GOLD COUNTRY	98-11R2P	VT2P,B	98	AC
GOLD COUNTRY	99-01R2P	VT2P	99	AC
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	AVC,C2,Vi
GOLDEN HARVEST	G02K39-5122-EZR	5122,B	102	AVC,C2,Vi
GOLDEN HARVEST	G99E68-5122-EZR	5122,B	99	AVC,C2,Vi
HEFTY	H4734SSRIB	STX,B	97	HC
HEFTY	H4842VT2P	VT2P	98	HC
HEFTY	H4922VT2PRIB	VT2P,B	99	HC

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
HEFTY	H5132VT2P	VT2P	101	HC
HEFTY	H5144SS	STX	101	HC
HEINE	6500VT2PRIB	VT2P,B	98	AC,P2
HEINE	6550VT2P	VT2P	99	AC,P5V,EDC-EL
HEINE	6575	VT2P	99	AC,P5V,EDC-EL
HEINE	7010	VT2P	100	AC,P5V,EDC-B
HEINE	7200	VT2P	102	AC,P5V
HI FIDELITY GENETICS	HFG1001	CONV	100	AC,P5V
INTEGRA	4782 VT2PRIB	VT2P,B	97	AC,P2,St,SU
INTEGRA	4888 VT2PRIB	VT2P,B	98	AC,P2,St,SU
INTEGRA	5081 DGV2PRIB	VT2PDG,B	100	AC,P2,St,SU
INTEGRA	5280 VT2PRIB	VT2P,B	102	AC,P2,St,SU
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	AC250
LATHAM	LH 4989 SS RIB	STX,B	99	AC,P5V
LATHAM	LH 5047 VT2P RIB	VT2P,B	100	AC250
LATHAM	LH 5077 VT2P RIB	VT2P,B	100	AC250
MILLER HYBRIDS	M00-49	CONV	100	MSC
MILLER HYBRIDS	M02-73BGV	3220	102	MSC
NK BRAND	NK0243-5122-EZR	5122,B	102	AVC,C2,Vi
NK BRAND	NK9991-5122-EZR	5122,B	99	AVC,C5,Vi
NORTHSTAR	NS 100-121	STX,B	100	NA
NORTHSTAR	NS 97-547	VT2P,B	97	NA

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
NORTHSTAR	NS 98-513 STXRIB	STX,B	98	NA
PIONEER	P0075Q GC	QR	100	NA
PIONEER	P9772AM GC	AM,B	97	NA
PIONEER	P9998Q GC	QR	99	NA
RENK	RK593VT2PRIB	VT2P,B	97	AC,P2
RENK	RK600SSTX	STX,B	100	AC,P5V
RENK	RK626SSTX	STX	102	AC,P5V
RENK	RK695GTCBLLBL	3220	102	CM,C2
TITAN PRO	22-00 2P	VT2P,B	100	AC250
TITAN PRO	26-00	5222,B	100	C2
TITAN PRO	84-01 VT2PRIB	VT2P,B	101	AC250
TITAN PRO	91-02	CONV	102	C2
TITAN PRO	92-99 2P	VT2P,B	99	AC250
VIKING	44-98	CONV	98	CM,C2,Sb
VIKING	52-00	CONV	100	CM,C2,Sb
VIKING	55-02	CONV	102	CM,C2,Sb
VIKING	99-00	CONV	100	CM,C2,Sb
WYFFELS	W1636RIB	VT2P,B	96	AC250
WYFFELS	W2196RIB	VT2P,B	99	AC250
WYFFELS	W2236RIB	VT2P,B	99	AC250
WYFFELS	W2506RIB	VT2P,B	101	AC250
WYFFELS	W3018	STX	102	AC,P5V

2020 Corn - Minnesota Southwest [MNSW]

Full-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DAIRYLAND	DS-4310AMRIB	AM,B	104	Lum,P5V
DAIRYLAND	DS-4440AM	AM,B	104	Lum,P5V
DAIRYLAND	DS-4580Q	QR,B	104	Lum,P5V
DEKALB	DKC52-35RIB CK	VT2P,B	102	AC,P5V,EDC-EL
DEKALB	DKC54-64RIB GC	STX,B	104	AC,P5V,EDC-EL
DEKALB	DKC55-53RIB GC	STX,B	105	AC,P5V,EDC-EL
ENESTVEDT	E539	CONV	103	CM,C2,Vi
ENESTVEDT	E598	CONV	106	CM,C2,Vi
FEDERAL	5700 VT2P	VT2P	107	AC,P5V,MAG
GOLD COUNTRY	103-58RSS	STX	103	AC
GOLD COUNTRY	104-11	CONV	104	AC
GOLD COUNTRY	106-09R2P	VT2P	106	AC
GOLD COUNTRY	106-96RSS	STX,B	106	AC
GOLD COUNTRY	107-84R2P	VT2P	107	AC
GOLDEN HARVEST	G03R40-5222-EZR	5222,B	103	AVC,C2,Vi
GOLDEN HARVEST	G04G36-3111A	3111A	104	AVC,C2,Vi
GOLDEN HARVEST	G06Q68-5222-EZR	5222,B	106	AVC,C2,Vi
HEFTY	H5432VT2PRIB	VT2P,B	104	HC
HEFTY	H5442VT2P	VT2P	104	HC
HEFTY	H5522VT2PRIB	VT2P,B	105	HC
HEFTY	H5524SSRIB	STX,B	105	HC
HEFTY	H5624SSRIB	STX,B	106	HC
HEINE	740	VT2P,B	103	AC,P2
HEINE	7450	VT2P	104	AC,P5V,EDC-EL
HEINE	7550	STX	106	AC,P5V,EDC-EL
HEINE	7570	STX	105	AC,P5V,EDC-EL
HEINE	7710	VT2P	107	AC,P2
HI FIDELITY GENETICS	HFG1071	CONV	107	AC,P5V
INTEGRA	5351 5122-EZ	5122,B	103	AVC,C2,Vi,St,SU
INTEGRA	5529 VT2PRIB	VT2P,B	105	AC,P2,St,SU
INTEGRA	5719 VT2PRIB	VT2P,B	107	AC,P2,St,SU
INTEGRA	5770 STXRIB	STX,B	107	AC,P5V,St,SU
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	AC250
LATHAM	LH 5389 SS RIB	STX,B	103	AC,P5V
LATHAM	LH 5517 VT2P RIB	VT2P,B	105	AC250
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	AC250

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
LATHAM	LH 5739 SS RIB	STX,B	107	AC,P5V
MILLER HYBRIDS	M05-72	CONV	105	MSC
NK BRAND	NK0472-5222-EZR	5222,B	104	AVC,C2,Vi
NK BRAND	NK0624-5222-EZR	5222,B	106	AVC,C2,Vi
NORTHSTAR	NS 103-537	VT2P,B	103	NA
PIONEER	P0421Q GC	QR,B	104	NA
PIONEER	P0589 CONV GC	CONV	105	NA
PIONEER	P0688Q GC	QR	106	NA
RENK	RK642VT2P	VT2P,B	103	AC,P2
RENK	RK700SSTX	STX	107	AC,P5V
RENK	RK710DGV2P	VT2PDG,B	106	AC,P2
RENK	RK726H	PC	106	AC,P2
TITAN PRO	20-05	STX,B	105	AC250
TITAN PRO	24-04	E	104	C2
TITAN PRO	26-03 5222	5222,B	103	C2
TITAN PRO	84-03 2P	VT2P,B	103	AC250
TITAN PRO	96-06 2P	VT2P,B	106	AC250
VIKING	42-05	CONV	105	CM,C2,Sb
VIKING	51-04	CONV	104	CM,C2,Sb
VIKING	84-05	CONV	105	CM,C2,Sb
WYFFELS	W4196RIB	VT2P,B	105	AC250
WYFFELS	W4246	VT2P	105	AC250
WYFFELS	W5086RIB	VT2P,B	107	AC250
WYFFELS	W5516RIB	VT2P,B	108	AC250

Footnotes and Abbreviations Descriptions

Brand Footnotes

^ Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.

CK Identifies a check product included in early- and full-season tests.

GC Grower Comparison product included by FIRST when space permits.

Corn Technologies*

3111A	Agrisure® Artesian® Viptera® 3111 (Vip,CB,RW,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
AQ	Optimum® AQUAmax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
CONV	Conventional
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
PC	PowerCore™
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

*The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

NA	Not Available
AC	Acceleron®, unspecified
AC250	Acceleron 250
ACb	Acceleron B-300 SAT
AC,P2	Acceleron, Poncho 250
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Acceleron, ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,MAG	Acceleron® Poncho 500/Votivo, FederalArmorGuard
AC,P5V,St,SU	Acceleron Poncho 500/Votivo, Stamina, StepUp
AVC	Avicta® Complete Corn
AVC,C2	Avicta Complete 250
AVC,C2,Vi	Avicta Complete 250, Vibrance
AVC,C2,Vi,St,SU	Avicta Complete 250, Vibrance, Stamina, StepUp
AVC,C5,Vi	Avicta Complete 500, Vibrance
C2	Cruiser 250
CM,C2	CruiserMaxx 250
CM,C2,Sb	CruiserMaxx 250, SabrEx Inoculant
CM,C2,Vi	CruiserMaxx 250 with Vibrance
HC	Hefty Complete
Lum,P1V	Lumigen Poncho 1250/Votivo
Lum,P5V	Lumigen Poncho 500/Votivo
MQ	Maxim Quattro
MSC	Miller Hybrids ShieldCoat™, Vertex
Vi5	Vibrance® Cinco

** Seed treatments may include unspecified plant health promoting components.