

2019 Corn Grain Top 30 Performance Summary for Minnesota Southwest [MNSW]

Early-Season Test

96 - 101 Day CRM

B2019MNSWa

Top 30 of 72

For Gross Income (Sorted by Yield), (15) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Easton REJECTED	Jackson	Jeffers	Lamberton	Mankato	Truman
CHAMPION	49A20 VT2	VT2P,B	99	233.6	20.0	4	807	1	218.3	246.7	219.0	198.0	259.0	245.5
HEFTY	H5132VT2P	VT2P	101	231.7	19.7	8	803	2	218.7	247.3	223.9	195.3	245.4	246.3
FEDERAL	5280CONV	None	101	224.8	20.1	4	774	3	218.3	212.5	215.4	240.7	239.9	215.5
TITAN PRO	84-01	None	101	222.4	20.1	8	767	5	218.3	214.3	214.7	218.4	221.9	242.4
DEKALB	DKC50-08RIB GC	STX,B	100	222.2	20.0	4	768	4	218.3	238.8	184.1	203.3	245.8	238.8
CHAMPION	50A19 VT2	VT2P,B	100	221.0	20.1	4	762	6	218.3	234.0	225.1	186.1	230.6	229.5
FEDERAL	4990VT2PRIB	VT2P,B	99	220.8	20.3	3	760	7	218.3	230.6	218.4	194.6	234.7	225.8
RENK	RK579DGVT2P	VT2P,DG,B	98	219.9	19.9	5	760	8	218.2	215.5	209.5	220.0	214.6	239.7
LATHAM	EX 5035 VT2P	VT2P	100	219.1	20.1	5	756	9	218.1	218.6	203.3	186.2	250.5	237.0
HEINE	EXP 7010	VT2P	100	218.6	20.0	6	755	10	218.2	244.2	200.4	187.3	228.5	232.6
HEINE	6500VT2PRO	VT2P	99	216.3	19.5	4	751	12	218.3	214.2	203.6	216.2	231.6	216.0
RENK	RK593VT2P	VT2P	96	216.2	19.4	3	751	11	218.0	241.4	195.7	203.9	222.4	217.8
LATHAM	LH4937VT2PRIB	VT2P,B	99	215.8	19.4	5	750	13	218.2	210.3	205.4	195.5	241.6	226.0
WYFFELS	W2196RIB	VT2P,B	99	215.5	20.1	5	743	15	218.9	210.4	204.0	205.1	226.1	231.6
WYFFELS	W2506RIB	VT2P,B	101	214.6	20.4	6	738	17	218.2	220.3	179.0	223.3	222.2	228.2
HEFTY	H4922VT2PRIB	VT2P,B	99	213.3	19.2	4	743	14	218.8	230.3	200.8	203.1	224.3	208.0
LATHAM	LH4830	None	98	212.3	19.7	5	735	18	218.3	214.6	217.0	205.8	223.3	200.7
DAIRYLAND	DS-3750AM	AM	97	212.0	19.9	3	733	23	218.6	222.8	188.2	203.6	215.6	229.8
NK BRAND	NK9610-3010	3010	96	211.8	19.1	4	739	16	218.0	223.9	204.5	199.1	205.1	226.5
GOLD COUNTRY	97-75R2P	VT2P,B	97	211.8	19.7	8	734	19	218.5	217.1	193.4	196.6	220.7	231.3
NORTHSTAR	NS 94-162VT2PRIB	VT2P,B	94	211.6	19.6	9	734	22	218.8	204.7	209.3	202.7	221.1	220.1
TITAN PRO	92-99 2P	VT2P,B	99	211.1	19.4	3	734	21	218.2	213.9	189.5	205.4	229.5	217.3
ENESTVEDT	E699DP RIB	VT2P,B	99	211.0	19.3	5	734	20	218.9	216.2	204.6	184.6	232.9	216.7
VIKING	46-96	None	96	209.0	19.7	6	724	24	218.2	205.5	195.1	204.1	229.0	211.2
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99	209.0	19.8	6	723	26	218.0	194.4	208.1	209.2	215.5	217.6
VIKING	44-98	None	98	208.8	19.7	5	723	25	218.3	216.9	195.5	198.4	210.2	222.8
MILLER HYBRIDS	M00-49	None	100	208.7	20.5	6	716	28	218.3	226.4	186.4	195.7	208.7	226.1
DAIRYLAND	DS-3810AM	AM	98	207.7	20.3	4	715	29	218.4	211.0	183.2	194.8	219.3	230.4
DAIRYLAND	DS-3519AM	AM,B	96	206.0	19.2	8	718	27	218.1	213.6	196.8	196.0	198.6	225.1
DAIRYLAND	DS-3715AM	AM,B	98	205.1	19.1	13	715	30	212.9	214.8	177.7	196.6	221.4	214.8
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	190.8	20.9	7	652	58	205.3	216.4	186.5	174.2	168.3	208.6

Not in summary - Herbicide damage to conv hybrids



Averages =	202.4	19.8	8	701	200.6	198.6	190.0	193.7	215.5	214.3
LSD (0.10) =	10.7	0.4	5		23.8	23.3	23.2	18.0	18.3	19.2
LSD (0.25) =	5.6	0.2	2		12.5	12.3	12.2	9.5	9.6	10.1

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.04 Prices: GMO = \$3.65; non-GMO = \$3.65

† 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. *There were 2 reps for the site.

2019 Corn Grain Top 30 Performance Summary for Minnesota Southwest [MNSW]

Full-Season Test

102 - 106 Day CRM

B2019MNSWb


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For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Easton REJECTED	Jackson	Jeffers REJECTED	Lamberton	Mankato	Truman
GOLD COUNTRY	106-96RSS	STX,B	106	238.1	21.6	3	807	2	235.4	234.3	192.0	216.0	263.5	238.7
AUGUSTA	A2856	3220,B	105	236.9	21.6	3	803	3	230.0	251.7	202.7	206.8	253.0	236.0
NK BRAND	NK0243-3120-EZR	3120,B	102	235.0	20.2	12	809	1	233.3	248.4	206.2	216.8	253.0	221.8
NK BRAND	NK0624-3220-EZR	3220,B	106	233.3	21.5	5	791	4	231.1	234.8	221.0	214.2	249.7	234.7
HEINE	7600VT2PRO	VT2P	106	231.1	21.0	2	788	5	229.0	241.3	201.2	209.5	240.4	233.1
LATHAM	LH5487VT2PRIB	VT2P,B	104	227.3	20.5	4	781	6	227.3	230.5	200.0	191.1	244.1	243.4
HEFTY	H5522VT2PRIB	VT2P,B	105	226.2	20.1	4	780	7	225.6	243.5	200.0	206.3	238.4	216.6
CHAMPION	55A20 3220 EZ	3220,B	105	225.2	21.4	5	764	11	220.0	248.0	200.0	210.0	237.3	205.5
LATHAM	LH5517VT2PRIB	VT2P,B	105	223.3	20.4	7	767	8	219.0	244.8	200.0	200.1	244.6	203.7
TITAN PRO	96-06 2P	VT2P,B	106	223.0	20.6	4	764	10	218.0	226.9	200.0	197.7	242.9	224.4
CHAMPION	52A18 VT2	VT2P,B	102	222.2	20.2	7	765	9	217.0	198.1	200.0	214.8	256.5	219.5
WYFFELS	W4358RIB	STX,B	106	220.7	20.6	2	757	12	216.0	221.0	200.0	212.0	221.4	228.3
LATHAM	LH5546-3220-EZR	3220,B	105	220.3	21.0	3	751	13	215.0	227.9	200.0	205.6	253.7	194.0
HEINE	EXP 7550	STX	106	218.2	21.6	12	739	17	214.0	214.5	200.0	187.0	260.9	210.5
DEKALB	DKC55-53RIB GC	STX,B	105	217.8	21.2	5	741	15	213.0	245.9	200.0	188.1	243.7	193.3
VIKING	42-05	None	105	216.5	20.7	7	741	16	212.0	236.0	200.0	191.0	237.5	201.6
NK BRAND	NK0472-3110	3110	104	216.2	20.4	9	743	14	211.0	216.7	200.0	186.0	238.6	223.3
RENK	RK710DGV2P	VT2P,DG,B	106	215.8	20.9	12	738	20	210.0	216.4	200.0	187.8	245.0	213.9
VIKING	55-02	None	102	214.8	20.4	12	739	18	209.0	224.2	200.0	198.7	218.5	218.0
PIONEER	P0589 GC	AQ	105	213.9	19.9	7	739	19	208.0	237.0	200.0	200.7	241.1	176.9
RENK	RK737SSTX	STX,B	106	213.9	20.9	3	731	23	207.0	223.4	200.0	200.0	225.7	206.4
DAIRYLAND	DS-4580AMXT	AMXT	105	213.1	21.2	10	726	28	206.0	223.0	200.0	190.0	217.3	222.2
TITAN PRO	TP 70-06	None	106	212.9	20.6	12	729	25	205.0	204.5	200.0	200.3	242.7	204.1
NORTHSTAR	NS 105-558VT2P	VT2P	105	212.6	20.7	7	727	27	204.0	217.1	200.0	197.1	243.6	192.7
HEINE	740VT2PRORIB	VT2P,B	103	212.4	20.0	6	733	21	203.0	195.6	200.0	207.6	237.5	209.0
GOLD COUNTRY	103-23RSS	STX,B	103	212.3	20.8	3	725	29	202.0	236.8	194.1	203.6	229.8	179.1
TITAN PRO	82-04 2P	VT2P,B	104	212.1	20.4	6	729	26	201.0	218.6	195.4	196.1	219.8	213.7
DEKALB	DKC54-38RIB GC	STX,B	104	211.9	21.0	4	724	30	200.0	219.3	183.6	181.3	219.0	228.1
HEFTY	H5212VT2PRIB	VT2P,B	102	211.9	20.1	8	731	22	199.0	205.7	196.6	200.4	223.1	218.3
ENESTVEDT	E539	None	103	211.3	20.0	7	729	24	198.0	200.7	195.0	204.9	226.5	213.1
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	194.6	20.6	10	667	49	196.0	186.9	190.9	179.8	209.4	202.2

Not in summary - Herbicide damage to conv hybrids

Data rejected - Not in Summary

	Averages =	206.3	20.6	10	704	211.1	197.3	183.0	196.1	227.3	204.1
	LSD (0.10) =	15.1	0.4	7		22.4	28.6	27.7	15.6	17.9	28.8
Mark Querna	LSD (0.25) =	8.0	0.2	4		11.7	15.0	14.6	8.2	9.4	15.1

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.04 Prices: GMO = \$3.65; non-GMO = \$3.65

† 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. *There were 2 reps for the site.

Early-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technology	RM
ANDERSON	609R	RR2	98
ANDERSON	611VT2P	VT2P,B	100
ANDERSON	6811	None	100
ANDERSON	6898	None	98
AUGUSTA	A2345	3220,B	96
CHAMPION	48A18 VT2	VT2P,B	98
CHAMPION	49A20 VT2	VT2P,B	99
CHAMPION	50A19 VT2	VT2P,B	100
CHAMPION	51A19 VT2	VT2P,B	101
DAIRYLAND	DS-3519AM	AM,B	96
DAIRYLAND	DS-3715AM	AM,B	98
DAIRYLAND	DS-3750AM	AM	97
DAIRYLAND	DS-3810AM	AM	98
DAIRYLAND	DS-4018AM	AM,AQ,B	101
DEKALB	DKC47-54RIB GC	STX,B	97
DEKALB	DKC50-08RIB GC	STX,B	100
DYNA-GRO	D37VC64RIB GC	VT2P,B	97
DYNA-GRO	D39DC43RIB GC	VT2P,B	99
DYNA-GRO	D39VC40	VT2P	98
ENESTVEDT	E658DP RIB	VT2P,B	96
ENESTVEDT	E660SS RIB	STX,B	97
ENESTVEDT	E696SS RIB	STX,B	100
ENESTVEDT	E699DP RIB	VT2P,B	99
EPLEY	E1040	None	100
EPLEY	E9840	None	98
FEDERAL	4990VT2PRIB	VT2P,B	99
FEDERAL	5280CONV	None	101
GOLD COUNTRY	101-60RSS	STX,B	101
GOLD COUNTRY	97-75R2P	VT2P,B	97
GOLD COUNTRY	98-11R2P	VT2P,B	98
GOLD COUNTRY	99-30RSS	STX,B	99
HEFTY	H4732VT2P	VT2P	97
HEFTY	H4922VT2PRIB	VT2P,B	99
HEFTY	H4933VT2PDGRIB	VT2P,DG,B	99
HEFTY	H5003VT2PDGRIB	VT2P,DG,B	100
HEFTY	H5132VT2P	VT2P	101

Company/Brand	Brand/Product	Technology	RM
HEINE	6500VT2PRO	VT2P	99
HEINE	6550VT2PRO	VT2P	99
HEINE	7000STX	STX	100
HEINE	EXP 7010	VT2P	100
LATHAM	EX 5035 VT2P	VT2P	100
LATHAM	LH4830	None	98
LATHAM	LH4937VT2PRIB	VT2P,B	99
LATHAM	LH5077VT2PRIB	VT2P,B	100
LATHAM	LH5160	None	101
MILLER HYBRIDS	M00-49	None	100
MILLER HYBRIDS	M97-34	None	97
MILLER HYBRIDS	M97-40	None	97
NK BRAND	NK9610-3010	3010	96
NK BRAND	NK9930-3010	3010	99
NORTHSTAR	NS 94-162VT2PRIB	VT2P,B	94
NORTHSTAR	NS 97-547SSRIB	STX,B	97
NORTHSTAR	NS 98-513VT2PRIB	VT2P,B	98
PIONEER	P0157AMXT CK	AMXT,AQ,B	101
PIONEER	P9998AMXT GC	AMXT,AQ,B	99
RENK	RK579DGV2P	VT2P,DG,B	98
RENK	RK587VT2P	VT2P,B	97
RENK	RK593VT2P	VT2P	96
RENK	RK608DGV2P	VT2P,DG,B	100
TITAN PRO	70-98	None	98
TITAN PRO	84-01	None	101
TITAN PRO	85-96	None	96
TITAN PRO	91-00	None	100
TITAN PRO	92-99 2P	VT2P,B	99
VIKING	44-98	None	98
VIKING	46-96	None	96
VIKING	52-00	None	100
VIKING	99-00	None	100
WYFFELS	W1636RIB	VT2P,B	96
WYFFELS	W2196RIB	VT2P,B	99
WYFFELS	W2236	VT2P	99
WYFFELS	W2506RIB	VT2P,B	101

2019 Corn Grain - Minnesota Southwest [MNSW]

Full-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technology	RM
ANDERSON	5303	None	103
AUGUSTA	A2856	3220,B	105
AUGUSTA	A3052	3110	102
CHAMPION	52A18 VT2	VT2P,B	102
CHAMPION	53A20 VT2 PRO	VT2P,B	103
CHAMPION	55A20 3220 EZ	3220,B	105
CHAMPION	56A18VT2PRORIB	VT2P,B	106
DAIRYLAND	DS-4310AM	AM	103
DAIRYLAND	DS-4329AM	AM,B	105
DAIRYLAND	DS-4440AM	AM,B	104
DAIRYLAND	DS-4580AMXT	AMXT	105
DAIRYLAND	DS-7004RA	PC,B	104
DEKALB	DKC54-38RIB GC	STX,B	104
DEKALB	DKC55-53RIB GC	STX,B	105
ENESTVEDT	E539	None	103
FEDERAL	5570CONV	None	105
GOLD COUNTRY	102-07RSS	STX,B	102
GOLD COUNTRY	102-88R2P	VT2P,B	102
GOLD COUNTRY	103-23RSS	STX,B	103
GOLD COUNTRY	104-11RSS	STX,B	104
GOLD COUNTRY	106-96RSS	STX,B	106
HEFTY	H5212VT2PRIB	VT2P,B	102
HEFTY	H5504SSRIB	STX,B	105
HEFTY	H5522VT2PRIB	VT2P,B	105
HEFTY	H5622VT2PRIB	VT2P,B	106
HEINE	739VT2PRORIB	VT2P,B	102
HEINE	740VT2PRORIB	VT2P,B	103
HEINE	752VT2PRORIB	VT2P,B	105
HEINE	7600VT2PRO	VT2P	106
HEINE	EXP 7550	STX	106
LATHAM	LH5245VT2PRIB	VT2P,B	102
LATHAM	LH5377VT2PRIB	VT2P,B	100
LATHAM	LH5487VT2PRIB	VT2P,B	104
LATHAM	LH5517VT2PRIB	VT2P,B	105
LATHAM	LH5546-3220-EZR	3220,B	105
MILLER HYBRIDS	M05-72	None	105

Company/Brand	Brand/Product	Technology	RM
NK BRAND	NK0243-3120-EZR	3120,B	102
NK BRAND	NK0472-3110	3110	104
NK BRAND	NK0624-3220-EZR	3220,B	106
NORTHSTAR	NS 102-168DGVT2PRIB	VT2P,DG,B	102
NORTHSTAR	NS 105-558VT2P	VT2P	105
NORTHSTAR	NS 106-186SSRIB	STX,B	106
PIONEER	P0157AMXT CK	AMXT,AQ,B	101
PIONEER	P0306AM GC	AM,AQ,B	103
PIONEER	P0589 GC	AQ	105
PIONEER	P0688AM GC	AM,B	106
RENK	RK621VT2P	VT2P	102
RENK	RK626SSTX	STX	102
RENK	RK710DGVT2P	VT2P,DG,B	106
RENK	RK717SSTX	STX,B	105
RENK	RK737SSTX	STX,B	106
REV	REV 1247AM GC	AM	101
REV	REV 1587AM GC	AM	105
TITAN PRO	82-04 2P	VT2P,B	104
TITAN PRO	91-02	None	102
TITAN PRO	96-06 2P	VT2P,B	106
TITAN PRO	TP 40-03	None	103
TITAN PRO	TP 70-06	None	106
VIKING	42-05	None	105
VIKING	51-04	None	104
VIKING	55-02	None	102
VIKING	84-05	None	105
WYFFELS	W4196RIB	VT2P,B	105
WYFFELS	W4358RIB	STX,B	106
WYFFELS	W4638	STX	107
WYFFELS	W5086	VT2P	107

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 Grain Technologies*

3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3330	Agrisure® Viptera® 3330 (Vip,CB,HX,LL,GT)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure® Artesian®	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMT	Optimum® AcreMax® TRIssect (HX,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure® Rootworm
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax® (VT3P,HXT,RR2,LL)
AQ	Optimum® AQUAMax®	TRE	Genuity® Trecepta™
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)		

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