

# 2018 Corn Grain Top 30 Harvest Report

Iowa Northwest [ IANW ] EMMETSBURG  
Tom Kuecker, Palo Alto County, IA 50528



Test by: North Iowa F.I.R.S.T., Inc, Sanborn, IA

PREV. CROP/HERB: Soybean / Warrant Ultra, Authority First, Fusilade  
SOIL DESCRIPTION: Canisteo clay loam, moderately drained, non-irrigated  
SOIL CONDITION: Conventional w/o fall till, very high P, high K, 5.7 pH, 4.3% OM, 22.4 CEC  
PEST MANAGEMENT: Verdict, Armezon Pro, Force 3G, Trivapro, Warrior  
FERTILITY - Applied N: 120 Fall, 65 Spring  
Applied N-P-K (units): 185-120-160  
SEEDING - RATE - ROW: May 7 38,000 /A 30" spacing  
HARVESTED - STAND: Oct 2 36,000 /A

## Early-Season Test

101 - 106 Day CRM

B2018IANW05a

## Top 30 of 78

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LG Seeds	LG5525VT2RIB	VT2P,B	105	<b>273.0</b>	20.8	1	35.2	840	1
Pfister	66Y3PE	PC,E	106	<b>270.3</b>	20.7	1	35.2	832	2
Latham	LH5635VT2ProRIB	VT2P,B	106	<b>265.7</b>	19.2	1	35.8	830	3
Latham	LH5245VT2ProRIB	VT2P,B	102	<b>264.7</b>	20.2	1	35.2	819	4
Wyffels	W4196RIB	VT2P,B	105	<b>260.2</b>	21.9	1	36.5	792	7
Kruger	K4R-9802	STX,B	102	<b>259.6</b>	21.3	1	33.9	795	5
Hoegemeyer/HPT	7480AM	AM,B	104	<b>258.5</b>	21.1	1	35.8	793	6
Cornelius	C478DP	VT2P	106	256.1	21.5	1	37.8	782	10
Hefty	H5522VT2P	VT2P	105	254.0	19.5	1	38.5	791	8
Hefty	H5212VT2PRIB	VT2P,B	102	252.2	19.9	1	37.2	783	9
Viking	51-04	None	104	251.3	20.4	1	37.2	776	12
Four Star	EX8505	VT2P	106	250.7	21.2	1	36.5	768	13
Dekalb	DKC54-38RIB GC	STX,B	104	249.9	22.3	1	39.2	757	19
Legend	LR9902VT2PRIB	VT2P,B	102	249.7	19.6	1	36.5	777	11
Pfister	64F1PE	PC,E	104	248.5	22.5	1	35.2	752	22
Golden Harvest	G06Q68-3220-EZR	3220,B	106	248.1	22.2	1	36.5	753	20
Latham	LH5505VT2ProRIB	VT2P,B	105	247.8	20.4	1	34.5	765	14
Latham	LH5487VT2Pro	VT2P	104	247.7	20.9	1	37.2	761	16
Champion	56A18VT2ProRIB	VT2P,B	106	247.4	21.9	1	35.8	753	21
Pioneer	P0306AM GC	AM,AQ,B	103	247.1	21.1	1	34.5	758	18
Dairyland	DS-7603PE	PC,E	103	247.0	23.1	1	37.8	743	27
Golden Harvest	G05K08-3010A	3010,A	105	246.4	22.5	4	34.5	745	25
Viking	63-05	None	104	245.4	22.8	1	36.5	740	30
Viking	42-05	None	105	245.2	22.5	1	37.2	742	28
Champion	52A18VT2ProRIB	VT2P,B	102	245.0	19.5	1	37.8	763	15
Titan Pro	TP 40-03	None	103	243.9	20.5	5	33.9	752	23
Wyffels	W4796RIB	VT2P,B	106	243.7	21.2	1	33.9	747	24
Kruger	K0109SS	STX,B	101	242.3	18.9	1	37.2	759	17
Titan Pro	82-04 2P	VT2P,B	104	238.8	19.9	1	34.5	741	29
FS InVISION	FS 52RL0 EZR	3120,B	102	238.7	19.5	18	35.8	744	26
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	207.4	23.9	1	37.2	619	73

*Corey Rozenboom*

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **234.4** **21.2** **2** **36.0** **718**

LSD (0.10) = 21.9 1.0 4

LSD (0.25) = 11.5 0.5 2

C.V. = 8.9 Prev. years average yield, 274.6 bu/a, 1 yr

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.25; non-GMO = \$3.25

**Test Comments:** *This site has heavy soils, great fertility, drains well and a high yield track record. Tremendous rainfall amounts, 30.7", fell from planting to harvest, 11" over the area 30-yr average. This rainfall challenged area field drainage and revealed slow drying pockets. Tom, our plot host, said he hadn't seen yield variation like this in his fields. Stands were very good. Plants had full ears with deep kernels.*

† 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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Report Date: 10/04/2018 Revised:

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SOIL DESCRIPTION: Canisteo clay loam, moderately drained, non-irrigated  
SOIL CONDITION: Conventional w/o fall till, very high P, high K, 5.7 pH, 4.3% OM, 22.4 CEC  
PEST MANAGEMENT: Verdict, Armezon Pro, Force 3G, Trivapro, Warrior  
FERTILITY - Applied N: 120 Fall, 65 Spring  
Applied N-P-K (units): 185-120-160  
SEEDING - RATE - ROW: May 7 38,000 /A 30" spacing  
HARVESTED - STAND: Oct 2 36,700 /A

**Full-Season Test**  
**107 - 110 Day CRM**  
B2018IANW05b

**Top 30 of 66**

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W6896RIB	VT2P,B	110	<b>251.1</b>	25.3	1	38.5	751	3
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	<b>248.3</b>	24.3	1	36.5	749	4
Kruger	K4R-9608	STX,B	108	<b>248.2</b>	23.1	1	37.8	756	1
Cornelius	C573DP	VT2P	108	<b>248.0</b>	23.1	1	37.8	756	2
Cornelius	C633DP	VT2P	110	245.1	22.8	1	37.2	749	5
Four Star	6D41RIB	VT2P,B	107	244.7	23.3	1	37.2	744	8
Dekalb	DKC57-97RIB GC	STX,B	107	244.2	22.5	1	37.2	748	6
Titan Pro	TP 40-09	None	109	244.0	22.7	1	35.2	746	7
Miller Hybrids	M09-01	None	109	242.9	24.4	6	34.5	732	11
Miller Hybrids	M06-27	None	106	242.2	24.2	1	36.5	731	12
Channel	207-27 STXRIB	STX,B	107	241.8	23.6	1	37.2	734	10
Epley	E1712SS	STX	107	240.4	22.5	1	35.2	736	9
Renk	RK763VT2P	VT2P,B	108	239.7	23.0	1	37.8	731	13
Champion	60A18VT2ProRIB	VT2P,B	110	238.7	24.2	1	35.8	721	14
Champion	57A19VT2ProRIB	VT2P	107	235.5	23.0	1	38.5	718	15
Kruger	K1005DP	VT2P,B	110	234.8	28.3	1	36.5	685	28
Wyffels	W5516RIB	VT2P,B	108	234.2	24.7	1	36.5	704	17
Latham	LH5725VT2Pro	VT2P	107	232.3	23.9	1	36.5	703	18
Champion	58A18VT2ProRIB	VT2P,B	108	231.5	24.4	1	37.8	698	19
NK Brand	NK0886-3010	3010	108	229.3	24.6	1	36.5	690	26
FS InVISION	FS 57ZX1 RIB	STX,B	107	229.2	23.6	1	37.2	696	21
Latham	EX5917VT2Pro	VT2P	109	228.8	21.7	1	35.8	705	16
Pfister	68A1PE	PC,E	108	228.7	24.9	1	37.8	687	27
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	228.0	23.5	1	37.8	693	23
LG Seeds	LG58C77VT2PRO	VT2P	108	227.5	23.0	1	34.5	694	22
Pfister	2545RASS	STX,B	107	226.8	22.1	1	37.8	697	20
Wyffels	W5626	VT2P	108	226.4	22.5	1	37.8	693	24
Hefty	H5812VT2PRIB	VT2P,B	108	226.2	22.7	1	37.2	692	25
Hefty	H6024SS	STX,B	110	226.2	24.3	1	37.2	683	29
Viking	48-08	None	108	220.5	21.4	1	37.8	681	30
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	205.2	23.1	1	37.8	625	51

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Averages =	<b>221.7</b>	<b>24.4</b>	<b>1</b>	<b>36.7</b>	<b>669</b>
LSD (0.10) =	23.6	1.8	ns		
LSD (0.25) =	12.4	0.9	ns		
C.V. =	10.1	Prev. years average yield, 274.6 bu/a, 1 yr			

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.25; non-GMO = \$3.25

**Test Comments:** *This site has heavy soils, great fertility, drains well and a high yield track record. Tremendous rainfall amounts, 30.7", fell from planting to harvest, 11" over the area 30-yr average. This rainfall challenged area field drainage and revealed slow drying pockets. Tom, our plot host, said he hadn't seen yield variation like this in his fields. Stands were very good. Plants had full ears with deep kernels.*

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2018 Corn Grain - Iowa Northwest [ IANW ]



**Early-Season Test Products (78 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	52A18VT2ProRIB	VT2P,B	AC,P2	102	Legend	LR9902VT2PRIB	VT2P,B	CM,C2,Vi	102
Champion	53A19SSRIB	STX	AC,P5V	103	Legend	X0295	STX,B	CM,C2,Vi	102
Champion	56A18VT2ProRIB	VT2P,B	AC,P2	106	LG Seeds	LG53C50STX	STX	AC,P5V	103
Champion	CSX54A17VT2ProRIB	VT2P,B	AC,P2	104	LG Seeds	LG5505STXRIB	STX,B	AC,P5V	101
Channel	202-81STXRIB	STX,B	AC,P5V	102	LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105
Channel	204-74VT2PRIB	VT2P,B	AC,P2	104	Miller Hybrids	M03-33	None	AVC,C5	103
Channel	205-63VT2PRIB	VT2P,B	AC,P2	105	Miller Hybrids	M06-39	None	CM,C2	106
Channel	206-11VT2PRIB	VT2P,B	AC,P2	106	NK Brand	NK0440-3010	3010	AVC,C2,Vi	104
Cornelius	C385DP	VT2P	CM,C2	103	NK Brand	NK0602-3010	3010	AVC,C2,Vi	106
Cornelius	C461SS	STX	AC,P5V	106	Pfister	63A3SSR	STX,B	CM,C5,Vi,In	103
Cornelius	C478DP	VT2P	AC,P5V	106	Pfister	64F1PE	PC,E	CM,C5,Vi,In	104
Dairyland	DS-7106PE	PC,E	CM,C5,Vi,In	106	Pfister	65G1SE	STX,E	CM,C5,Vi,In	105
Dairyland	DS-7603PE	PC,E	CM,C5,Vi,In	103	Pfister	66Y3PE	PC,E	CM,C5,Vi,In	106
Dairyland	DS-9804RA	STX,B	CM,C5,Vi,In	103	Pioneer	P0157AMX GC	AMX,AQ,B	MQ,C2,R	101
Dekalb	DKC51-38RIB GC	STX,B	AC,P5V	101	Pioneer	P0306AM GC	AM,AQ,B	MQ,C5,R,Lu	103
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Pioneer	P0339AMXT GC	AMXT,AQ,B	MQ,C2,R,Lu	103
Dekalb	DKC55-84RIB GC	STX,B	AC,P5V	105	Pioneer	P0589AMXT CK	AMXT,AQ,B	MQ,C2,R	105
Epley	E1312SS	STX	AC,P5V	103	Renk	RK604SSSTX	STX	AC,P5V	102
Federal	5570VT2PRIB	VT2P,B	AC,P2	105	Renk	RK642SSSTX	STX,B	AC,P5V	103
Four Star	EX8505	VT2P	AC,P5V	106	Renk	RK717SSSTX	STX,B	AC,P5V	105
FS InVISION	FS 51QX1 RIB	STX,B	AC,P5V	101	Renk	RK737SSSTX	STX	AC,P5V	106
FS InVISION	FS 52RL0 EZR	3120,B	CM,C2,Vi	102	Titan Pro	82-04 2P	VT2P,B	AC,P2	104
FS InVISION	FS 53ZX1 RIB	STX,B	AC,P5V	103	Titan Pro	EXP 84-01 SS	STX,B	AC,P5V	101
FS InVISION	FS 55TX1 RIB	STX,B	AC,P5V	105	Titan Pro	TP 40-03	None	CM,C2,Vi	103
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103	Titan Pro	TP 70-06	None	CM,C2,Vi	106
Golden Harvest	G05K08-3010A	3010,A	AVC,C2,Vi	105	Viking	42-05	None	CM,C2	105
Golden Harvest	G06Q68-3220-EZR	3220,B	AVC,C2,Vi	106	Viking	51-04	None	CM,C2	104
Hefty	H5212VT2PRIB	VT2P,B	HC	102	Viking	55-02	None	AC,P5V	102
Hefty	H5302VT2PRIB	VT2P,B	HC	103	Viking	63-05	None	CM,C2	104
Hefty	H5522VT2P	VT2P	HC	105	Wyffels	W3078RIB	STX,B	AC,P5V	106
Hefty	H5624SS	STX	HC	106	Wyffels	W3488	STX	AC,P5V	104
Hoegemeyer/HPT 7088AM		AM,AQ,B	MQ,P5V,R	100	Wyffels	W4196RIB	VT2P,B	AC,P5V	105
Hoegemeyer/HPT 7224AM		AM,B	CM,C2,R,Lu	102	Wyffels	W4796RIB	VT2P,B	AC,P5V	106
Hoegemeyer/HPT 7434AM		AM,B	MQ,P1V,R	104					
Hoegemeyer/HPT 7480AM		AM,B	MQ,P5V,R	104					
Kruger	K0109SS	STX,B	AC,P5V	101					
Kruger	K4R-9603	STX,B	AC,P5V	103					
Kruger	K4R-9704	STX,B	AC,P5V	104					
Kruger	K4R-9802	STX,B	AC,P5V	102					
Latham	LH5245VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5487VT2Pro	VT2P	AC,P5V	104					
Latham	LH5505VT2ProRIB	VT2P,B	AC,P2	105					
Latham	LH5635VT2ProRIB	VT2P,B	AC,P2	106					
Legend	LR9701GENSSRIB	STX,B	CM,C2,Vi	101					
Legend	LR9806GENSSRIB	STX,B	CM,C2,Vi	106					

2018 Corn Grain - Iowa Northwest [ IANW ]



**Full-Season Test Products (66 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	57A19VT2ProRIB	VT2P	AC,P2	107	NK Brand	NK0886-3010	3010	AVC,C5,Vi	108
Champion	58A18VT2ProRIB	VT2P,B	AC,P2	108	NK Brand	NK0968-3110	3110	AVC,C5,Vi	109
Champion	60A18VT2ProRIB	VT2P,B	AC,P2	110	NuTech/G2 Gen	5FB-9909	AM,B	CM,C2,R,Lu	109
Champion	CSX59A16SSRIB	STX,B	AC,P5V	109	Pfister	2545RASS	STX,B	CM,C5,Vi,In	107
Channel	207-27 STXRIB	STX,B	AC,P5V	107	Pfister	68A1PE	PC,E	CM,C5,Vi,In	108
Channel	209-15VT2PRIB	VT2P,B	AC,P2	109	Pfister	69E2SSR	STX,B	CM,C5,Vi,In	109
Channel	210-26STXRIB	STX,B	AC,P5V	110	Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110
Channel	210-79DGVGT2PRIB	VT2P,DG,B	AC,P2	110	Pioneer	P0589AMXT CK	AMXT,AQ,B	MQ,C2,R	105
Cornelius	C564SS	STX	AC,P5V	108	Pioneer	P0919AM GC	AM,B	MQ,C2,R,Lu	109
Cornelius	C573DP	VT2P	CM,C2	108	Pioneer	P1197AM GC	AM,B	MQ,C2,R,Lu	111
Cornelius	C633DP	VT2P	CM,C2	110	Renk	RK763VT2P	VT2P,B	AC,P2	108
Dairyland	DS-7909PE	PC,E	CM,C5,Vi,In	109	Renk	RK779SSSTX	STX	AC,P5V	108
Dekalb	DKC57-97RIB GC	STX,B	AC,P5V	107	Renk	RK815SSSTX	STX,B	AC,P2	110
Epley	E1712SS	STX	AC,P5V	107	Titan Pro	82-09 2P	VT2P,B	AC,P2	109
Four Star	6D41RIB	VT2P,B	AC,P2	107	Titan Pro	TP 40-09	None	CM,C2,Vi	109
Four Star	6D47RIB	VT2P,B	AC,P5V	107	Viking	13-07	None	CM,C2	107
FS InVISION	FS 57ZX1 RIB	STX,B	AC,P5V	107	Viking	48-08	None	AC,P5V	108
FS InVISION	FS 58G00	None	AC,P2	108	Wyffels	W5516RIB	VT2P,B	AC,P5V	108
FS InVISION	FS 60LX1 RIB	STX,B	AC,P5V	110	Wyffels	W5626	VT2P	AC,P5V	108
FS InVISION	FS 60UX1 RIB	STX,B	AC,P5V	110	Wyffels	W6408	STX	AC,P5V	110
Golden Harvest	G08D29-3120A-EZR	3120,A,B	AVC,C5,Vi	108	Wyffels	W6896RIB	VT2P,B	AC,P2	110
Golden Harvest	G08M20-3010	3010	AVC,C5,Vi	108					
Golden Harvest	G09A86-3000GT	3000GT	AVC,C5,Vi	109					
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	AVC,C5,Vi	109					
Hefty	H5812VT2PRIB	VT2P,B	HC	108					
Hefty	H5922VT2P	VT2P	HC	109					
Hefty	H6004SSRIB	STX,B	HC	110					
Hefty	H6024SS	STX,B	HC	110					
Hoegemeyer/HPT 7825SXRA		STX,B	CM,C5,Vi,In	108					
Hoegemeyer/HPT 7886AM		AM,B	MQ,P1V,R	108					
Hoegemeyer/HPT 7900AM		AM,B	MQ,P5V,R	109					
Hoegemeyer/HPT 7946AM		AM,B	MQ,P5V,R	109					
Kruger	K0807SS	STX,B	AC,P5V	108					
Kruger	K1005DP	VT2P,B	AC,P2	110					
Kruger	K4R-9608	STX,B	AC,P5V	108					
Latham	EX5917VT2Pro	VT2P	AC,P5V	109					
Latham	LH5725VT2Pro	VT2P	AC,P5V	107					
Latham	LH5819SSRIB	STX,B	AC,P5V	108					
Latham	LH5965VT2ProRIB	VT2P,B	AC,P2	109					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	109					
LG Seeds	LG58C77VT2PRO	VT2P	AC,P5V	108					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	109					
Miller Hybrids	M06-27	None	AVC,C2	106					
Miller Hybrids	M09-01	None	AC,P5V	109					
Miller Hybrids	M66-23	None	CM,C2	110					

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks 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\*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
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)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
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

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

### Corn Seed Treatments\*\*

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

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