

2017 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] LU VERNE

Bob Plathe, Kossuth County, IA 50560



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

PREV. CROP/HERB: Soybean / Authority Assist, Liberty
 SOIL DESCRIPTION: Kossuth-Clarion silty clay loam, well drained, non-irrigated
 SOIL CONDITION: Conventional w/o fall till, high P, medium K, 5.8 pH, 3.9% OM, 25.4 CEC
 PEST MANAGEMENT: TripleFlex, atrazine, Force 3G, Impact
 FERTILITY - Applied N: 120 Fall, 60 Spring
 Applied N-P-K (units): 180-0-0
 SEEDED - RATE - ROW: May 8 36,000 /A 30" spacing
 HARVESTED - STAND: Oct 26 35,600 /A

Early-Season Test

101 - 106 Day CRM

B2017IANW06a

Top 30 of 75

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
Dyna-Gro	D45SS65	STX	105	240.2	16.9	0	35.8	767	1
Federal	5550STAXRIB	STX,B	105	237.1	17.2	0	35.8	755	2
Viking	42-05	None	105	234.5	17.2	0	35.8	747	3
Wyffels	W4196	VT2P	105	232.7	17.6	0	35.8	738	6
Wyffels	W3078RIB	STX,B	106	232.1	17.2	0	35.8	739	4
Wyffels	W4796RIB	VT2P,B	106	231.7	17.1	0	35.2	738	7
Miller Hybrids	M06-39	None	106	231.6	17.2	0	35.8	737	8
LG Seeds	LG5520STXRIB	STX,B	105	231.2	17.3	0	35.8	735	9
Latham	LH5245VT2Pro	VT2P	102	230.6	16.5	0	35.8	739	5
Rob-See-Co	Innotech IC5296^	3120,B	102	230.1	16.8	0	35.8	735	10
Hefty	H5214SS	STX	102	229.0	17.0	0	35.8	731	11
Renk	RK726SSTX	STX	106	228.6	17.1	0	35.2	729	12
Renk	RK642SSTX	STX	103	227.0	16.9	0	35.8	725	13
Jacobsen Seed	JS9306SSRIB	STX,B	106	226.9	17.0	0	35.2	724	14
NuTech/G2 Gen	5D-906^	AMX,B	106	226.2	17.5	0	34.5	718	15
Pfister	65B1RR	RR2	105	226.1	17.5	0	35.2	718	16
Pfister	66Y3PC	PC	106	225.5	17.4	0	35.8	717	17
Cornelius	C452SS	STX	105	224.6	17.0	0	35.8	716	18
Legend	LR9804GENSSRIB	STX,B	104	224.2	17.0	0	35.8	715	19
Golden Harvest	G05B91-3010	3010	105	224.2	17.3	0	35.2	713	24
Golden Harvest	G06Z97-3120-EZR	3120,B	106	224.2	17.9	0	35.8	709	28
Renk	RK680SSTX	STX,B	103	223.9	17.1	0	35.8	714	21
NuTech/G2 Gen	5F-503^	AM,B	103	223.7	16.9	0	34.5	714	22
Titan Pro	TP 53-03 2P	VT2P,B	103	223.7	17.2	0	35.8	712	25
Kruger	K4R-9504	STX,B	104	223.4	16.7	0	35.8	715	20
LG Seeds	LG5505STX	STX	102	223.1	16.7	0	35.8	714	23
Hefty	H5104SSRIB	STX,B	101	222.7	17.0	0	35.8	710	26
Latham	LH5505VT2ProRIB	VT2P,B	105	222.4	16.9	0	35.8	710	27
Dekalb	DKC54-38RIB GC	STX,B	104	222.1	17.3	0	35.2	707	29
Dairyland	DS-6106	RR2	106	222.0	17.5	0	35.2	705	30
Pioneer	P0589AM CK	AM,AQ,B	105	216.1	17.1	0	35.8	689	41

Corey Rozenboom

Corey Rozenboom

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

Averages = **216.2** **17.1** **0** **35.6** **689**

LSD (0.10) = 8.1 0.3 2

LSD (0.25) = 4.3 0.1 1

C.V. = 3.6 Prev. years average yield, 195.7 bu/a, 16 yrs

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

Test Comments: *Except for late May and early July dry periods, rainfall amounts were pretty consistent. Hail on July 2 caused less than 20% foliar damage uniformly across the test area. Plants were rapidly growing at this time and recovered quickly. Largest rain events were 2.9", May 15-16; 1.3", June 27-30; followed by 3.4", Aug 20-21. Rainfall totals, planting to maturity, were 0.5" above the area 30-yr average.*

† 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: 10/28/2017 Revised:

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 SOIL DESCRIPTION: Kossuth-Clarion silty clay loam, well drained, non-irrigated
 SOIL CONDITION: Conventional w/o fall till, high P, medium K, 5.8 pH, 3.9% OM, 25.4 CEC
 PEST MANAGEMENT: TripleFlex, atrazine, Force 3G, Impact
 FERTILITY - Applied N: 120 Fall, 60 Spring
 Applied N-P-K (units): 180-0-0
 SEEDED - RATE - ROW: May 8 36,000 /A 30" spacing
 HARVESTED - STAND: Oct 26 35,600 /A

Full-Season Test
107 - 110 Day CRM
 B2017IANW06b

Top 30 of 72

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
Kruger	K4R-9608	STX,B	108	256.5	17.5	0	35.8	814	1
LG Seeds	LG5606STX	STX	111	253.5	19.4	5	35.8	790	4
Epley	E1712SS	STX	107	249.7	17.2	0	35.8	795	2
Jacobsen Seed	JS7513VT2PRO	VT2P	110	249.0	17.1	0	35.8	794	3
Channel	209-15STXRIB	STX,B	109	248.7	17.7	0	35.8	788	5
Dekalb	DKC59-50RIB GC	VT2P,B	109	247.3	17.5	0	35.8	785	6
Titan Pro	TP 58-10 SS	STX,B	110	246.5	18.1	0	35.8	778	8
Wyffels	W6896	VT2P	110	246.3	18.2	0	35.8	777	9
Hefty	H6004SSRIB	STX,B	110	246.2	17.6	0	35.8	781	7
Viking	49-09N	None	109	245.3	17.9	0	35.2	776	10
Channel	210-26STXRIB	STX,B	110	243.3	18.1	0	35.8	768	12
Renk	RK810SSTX	STX,B	110	243.0	17.7	0	35.8	770	11
LG Seeds	LG5590VT2P	VT2P	110	243.0	18.2	0	35.8	766	14
NuTech/G2 Gen	X5FN-0909^	OI	109	243.0	18.6	1	35.8	764	17
Latham	LH6045VT2ProRIB	VT2P,B	110	242.6	18.1	8	35.2	766	15
Cornelius	C564SS	STX	108	241.9	17.8	0	35.8	766	16
Latham	LH5965VT2ProRIB	VT2P,B	109	241.3	18.4	8	35.2	760	18
Dyna-Gro	D50VC30	VT2P	110	241.0	17.3	0	35.8	767	13
Legend	LR9509GENSSRIB	STX,B	109	240.4	17.9	0	35.8	760	19
Rob-See-Co	Innotech IC5956^	3111	109	240.4	19.6	0	35.8	748	26
Champion	CSX59A16SSRIB	STX,B	109	239.6	17.9	0	35.8	758	20
Pfister	68A1RR	RR2	108	238.6	17.6	0	35.2	757	21
Dekalb	DKC60-67RIB GC	STX,B	110	237.8	18.0	1	35.8	751	22
Wyffels	W6198RIB	STX,B	109	237.3	17.8	0	35.8	751	23
Pfister	2545RASS	STX,B	107	236.2	17.7	0	35.8	749	24
Channel	209-53STXRIB	STX,B	109	236.0	17.8	0	35.2	747	27
Dekalb	DKC58-06RIB GC	STX,B	108	235.9	17.5	0	35.8	749	25
Cornelius	C621SS	STX	110	234.1	17.3	0	35.8	745	29
Miller Hybrids	RX436	None	110	234.1	17.4	0	35.8	744	30
NuTech	5VN-4707	3111	107	233.7	17.0	0	35.2	746	28
Pioneer	P0589AM CK	AM,AQ,B	105	215.9	16.9	0	35.8	689	62

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Averages = **230.4** **17.7** **1** **35.6** **730**

LSD (0.10) = 12.0 0.3 2

LSD (0.25) = 6.3 0.2 1

C.V. = 5.0 Prev. years average yield, 195.7 bu/a, 16 yrs

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

Test Comments: Except for late May and early July dry periods, rainfall amounts were pretty consistent. Hail on July 2 caused less than 20% foliar damage uniformly across the test area. Plants were rapidly growing at this time and recovered quickly. Largest rain events were 2.9", May 15-16; 1.3", June 27-30; followed by 3.4", Aug 20-21. Rainfall totals, planting to maturity, were 0.5" above the area 30-yr average.

† 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: 10/28/2017 Revised:

Early-Season Test Products (75 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	56A18SSRIB	STX,B	AC,P5V	106	NuTech/G2 Gen	5F-504^	AM,B	MQ,P5V,R	104
Champion	CSX54A17VT2PRORIB	VT2P,B	AC,P2	104	NuTech/G2 Gen	5F-601^	AM,AQ,B	MQ,P5V,R	101
Champion	CSX56A13VT2PRORIB	VT2P,B	AC,P2	106	NuTech/G2 Gen	X5LN-0308^	OIXT,AQ	MQ,P1V,R	103
Champion	CSX56A17VT2PRORIB	VT2P,B	AC,P2	106	Pfister	61D2SSR	STX,B	CM,C5,Vi,In	101
Cornelius	C318DP	VT2P	AC,P5V	101	Pfister	62A1SSR	STX,B	CM,C5,Vi,In	102
Cornelius	C385DP	VT2P	AC,P5V	103	Pfister	63A3SS	STX	CM,C5,Vi,In	103
Cornelius	C452SS	STX	AC,P5V	105	Pfister	66Y3PC	PC	CM,C5,Vi,In	106
Cornelius	C461SS	STX	AC,P5V	107	Pioneer	P0589AM CK	AM,AQ,B	MQ,C2,Lu	105
Dairyland	DS-6106	RR2	CM,C5,Vi,In	106	Prairie Brand	5148GT	GT	CM,C5,Vi,In	101
Dairyland	DS-9804SSX	STX	CM,C5,Vi,In	104	Prairie Brand	5398SX	STX	CM,C5,Vi,In	103
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103	Renk	RK642SSSTX	STX	AC,P5V	103
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Renk	RK680SSSTX	STX,B	AC,P5V	103
Dyna-Gro	D42SS61	STX	AC,P5V	102	Renk	RK717SSSTX	STX,B	AC,P5V	105
Dyna-Gro	D45SS65	STX	AC,P5V	105	Renk	RK726SSSTX	STX	AC,P5V	106
Federal	5180SSTAX	STX	AC,P5V	101	Rob-See-Co	Innotech IC5525^	3010	AVC,C2,Vi	105
Federal	5280VT2P	VT2P	AC,P5V	102	Titan Pro	TP 53-03 2P	VT2P,B	AC,P5V	103
Federal	5550SSTAXRIB	STX,B	AC,P5V	105	Titan Pro	TP 58-01 2P	VT2P,B	AC,P5V	101
FS InVISION	FS 52RL0 EZR	3120,B	AVC,C2,Vi	102	Titan Pro	TP 61-01 3122A	3122,A,B	CM,C2	101
FS InVISION	FS 52ZX1 RIB	STX,B	AC,P5V	102	Titan Pro	TP 77-06 SS	STX	AC,P5V	106
FS InVISION	FS 54ZX1 RIB	STX,B	AC,P5V	104	Viking	40-03UP	None	CM,C2	103
FS InVISION	FS 55TX1 RIB	STX,B	AC,P5V	105	Viking	42-05	None	CM,C2	105
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103	Viking	53-01 Art	None,A	CM,C2	101
Golden Harvest	G05B91-3010	3010	AVC,C2,Vi	105	Viking	63-05	None	CM,C2	105
Golden Harvest	G06Z97-3120-EZR	3120,B	AVC,C2,Vi	106	Wyffels	W2618RIB	STX,B	AC,P5V	104
Hefty	H5114SS	STX	AC,P5V,In	101	Wyffels	W3078RIB	STX,B	AC,P5V	106
Hefty	H5214SS	STX	AC,P5V,In	102	Wyffels	W4196	VT2P	AC,P5V	105
Hefty	H5302VT2PRIB	VT2P,B	AC,P2,In	103	Wyffels	W4796RIB	VT2P,B	AC,P2	106
Hefty	H5504SSRIB	STX,B	AC,P5V,In	105					
Jacobsen Seed	JS4249	None	MQ,P2	104					
Jacobsen Seed	JS4306	None	MQ,P2	106					
Kruger	K4R-9504	STX,B	AC,P5V	104					
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	LH5245VT2Pro	VT2P	AC,P5V	102					
Latham	LH5339SSRIB	STX,B	AC,P5V	103					
Latham	LH5509SSRIB	STX,B	AC,P5V	105					
Latham	LH5635VT2Pro	VT2P	AC,P5V	106					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
LG Seeds	LG5505STX	STX	AC,P5V	102					
LG Seeds	LG5520STXRIB	STX,B	AC,P5V	105					
LG Seeds	LG5530VT2P	VT2P	AC,P5V	105					
Miller Hybrids	M03-66BRG	3000GT	SC	103					
Miller Hybrids	M06-27	None	SC	106					
NuTech/G2 Gen	5F-503^	AM,B	MQ,P5V,R	103					

2017 Corn Grain - Iowa Northwest [IANW]



Full-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	58A18VT2PRO	VT2P	AC,P2	108	Pfister	69D3VX	HXT,RR2	CM,C5,Vi,In	109
Champion	CSX57A16VT2PRORIB	VT2P,B	AC,P2	107	Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110
Champion	CSX58A17Conv	None	AC,P2	108	Pioneer	P0589AM CK	AM,AQ,B	MQ,C2,Lu	105
Champion	CSX59A16SSRIB	STX,B	AC,P5V	109	Pioneer	P1197AM GC	AM,B	MQ,C2	111
Channel	207-27STXRIB	STX,B	AC,P5V	107	Prairie Brand	5825RA	STX,B	CM,C5,Vi,In	108
Channel	209-15STXRIB	STX,B	AC,P5V	109	Renk	RK776SSSTX	STX,B	AC,P5V	107
Channel	210-26STXRIB	STX,B	AC,P5V	110	Renk	RK792SSSTX	STX,B	AC,P5V	108
Cornelius	C564SS	STX	AC,P5V	108	Renk	RK794DGV2P	VT2P,DG,B	AC,P2	108
Cornelius	C573DP	VT2P	AC,P5V	108	Renk	RK810SSSTX	STX,B	AC,P5V	110
Cornelius	C633DP	VT2P	AC,P5V	110	Rob-See-Co	Innotech IC5956^	3111	AVC,C5,Vi	109
Dairyland	DS-6911	RR2	CM,C2	111	Titan Pro	TP 58-10 SS	STX,B	AC,P5V	110
Dairyland	DS-9508RA	STX,B	CM,C5,Vi,In	108	Titan Pro	TP 59-08 SS	STX,B	AC,P5V	108
Dekalb	DKC58-06RIB GC	STX,B	AC,P5V	108	Titan Pro	TP 66-10 2P	VT2P,B	AC,P5V	110
Dekalb	DKC59-50RIB GC	VT2P,B	AC,P5V	109	Viking	13-07	None	CM,C2	107
Dyna-Gro	D50VC30	VT2P	AC,P5V	110	Viking	42-08	None	CM,C2	108
Epley	E1712SS	STX	AC,P5V	107	Viking	49-09N	None	CM,C2	109
FS InVISION	FS 57TX1 RIB	STX,B	AC,P5V	107	Viking	O.74-10GS	None	CM,C2	110
FS InVISION	FS 59VL1 EZR	3220,B	CM,C2,Vi	109	Wyffels	W4968RIB	STX,B	AC,P5V	107
FS InVISION	FS 60LX1 RIB	STX,B	AC,P5V	110	Wyffels	W5448RIB	STX,B	AC,P5V	108
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	110	Wyffels	W6198RIB	STX,B	AC,P5V	109
Golden Harvest	G09A86-3111	3111	AVC,C5,Vi	109	Wyffels	W6896	VT2P	AC,P5V	110
Jacobsen Seed	JS4456	None	MQ,P2	107					
Jacobsen Seed	JS4495	None	AC,P5V	107					
Kruger	K4R-9608	STX,B	AC,P5V	108					
Latham	EX5725VT2Pro	VT2P	AC,P5V	107					
Latham	LH5805VT2ProDGRIB	VT2P,DG,B	AC,P2	108					
Latham	LH5885VT2ProRIB	VT2P,B	AC,P2	108					
Latham	LH5965VT2ProRIB	VT2P,B	AC,P2	109					
Legend	LR9509GENSSRIB	STX,B	CM,C2,Vi	109					
Legend	LR9608GENSSRIB	STX,B	CM,C2,Vi	108					
Legend	LR9611GENSSRIB	STX,B	CM,C2,Vi	111					
Legend	LR9811GENSSRIB	STX	CM,C2,Vi	111					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	109					
LG Seeds	LG5590VT2P	VT2P	AC,P5V	110					
LG Seeds	LG5606STX	STX	AC,P5V	111					
Miller Hybrids	RX215VT2P	VT2P	AC,P2	107					
NK Brand	NK0760-3111	3111	AVC,C2,Vi	107					
NuTech	5N-410	3000GT	MQ,P5V,R	110					
NuTech	5VN-4707	3111	MQ,P1V,R	107					
NuTech/G2 Gen	5F-308^	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V,R	109					
NuTech/G2 Gen	5FB-1010^	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	X5FN-0909^	OI	MQ,P1V,R	109					
Pfister	2545RASS	STX,B	CM,C5,Vi,In	107					
Pfister	68A1RR	RR2	CM,C2	108					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2 [®] brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus [®] brand seed is distributed by Burrus. HPT [®] brand seed is distributed by Hoegemeyer Hybrids, Innotech™ brand seed is distributed by Rob-See-Co, LLC. 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 [®] , Power Plus [®] , RPM [®] , Supreme EX [®] , VPMaxx [®] and XL [®] are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix [®] are trademarks of Syngenta.
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)	GT	Agrisure [®] GT
3010	Agrisure [®] 3010 (CB,LL,GT)	HX	Herculex [®] 1, contains LL
3011,A	Agrisure [®] Artesian [®] (CB,RW,LL,GT)	HXRW	Herculex [®] Rootworm, contains LL
3110	Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT)	HXT	Herculex [®] Xtra (HX,HXRW,LL)
3111	Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink [®]
3120	Agrisure [®] 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure [®] 3122 (CB,HXX,RW,LL,GT)	OI	Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2)
3220	Agrisure [®] Viptera [®] 3220 (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 [®] TRIsect (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 [®]	VT2P	Genuity [®] VT Double PRO [®]
B	Refuge Blend	VT3P	Genuity [®] VT Triple PRO [®]
CB	Agrisure [®] Corn Borer	YGCB	YieldGard [®] Corn Borer
DG	Genuity [®] DroughtGard [®]		

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

Corn Seed Treatments**

?	information unavailable	In	Intego™ Solo
A	Allegiance [®]	L	Lorsban [®]
AC	Acceleron [®] fungicide products	Lu	Lumivia™
AL2500	Alert 2500™	M	Maxim XL [®]
At	Actellic [®]	MQ	Maxim Quattro [®]
AVC	Avicta [®] Complete Corn	None	untreated
C2, C5, C1	Cruiser [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme [®]	R	Raxil [®]
CM	CruiserMaxx [®] Corn	SC	SHIELDCoat™
D	Dynasty [®]	V	Votivo [®]
Es	Escalate [®]	Vi	Vibrance [®]

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