

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

2020 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] OSAGE, IA

Dale Hemann, Mitchell County, IA 50461

Early-Season Test	101 - 106 Day CRM B2020IANC03a
Top 30 of 71	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Zidua, Liberty, Outlook
SOIL DESCRIPTION:	Dinsdale silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, high P, medium K, 5.8 pH, 4.1% OM, 18.5 CEC
PEST MANAGEMENT:	Halex Gt
FERTILITY - Applied N:	150 Sidedress
Applied N-P-K (units):	150-48-66
SEEDED - RATE - ROW:	May 1 37.7 /A 30" spacing
HARVESTED - STAND:	Oct 13 35.4 /A

TEST COMMENTS:

Good stands and early season vigor were a result of timely rain early that continued all season without exceptionally dry periods or flooding. Rainfall totals were near normal in this area which provided a good opportunity for excellent ear development and pollination. This site ended 1.3" above the 30-yr average from 5/1 to 9/15. Goosenecked plants were common across the trials and appeared to be hybrid specific. Lodging scores reflect root lodging that occurred after pollination and impacted the harvestability of some hybrids.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
PIONEER	P0339Q GC	QR,B	103	249.0	19.5	0	31.2	819	1
RENK	RK726H	PC	106	245.2	19.4	6	35.2	807	2
TITAN PRO	24-04	PC	104	244.1	20.2	3	34.5	798	4
HI FIDELITY GENETICS	EXP2025	CONV	106	243.7	18.6	20	36.5	807	3
WYFFELS	W4246	VT2P	105	238.6	18.6	3	35.8	790	6
WYFFELS	W4196RIB	VT2P,B	105	238.4	18.7	1	36.5	788	7
CORNELIUS	C6438DP	VT2P	104	238.3	17.8	14	33.9	793	5
NUTECH	64D1YHR	AM,B	104	238.1	19.7	20	35.8	782	8
NUTECH	62A8Q	QR,B	102	234.3	17.7	11	35.8	781	9
INTEGRA	5529 VT2PRIB	VT2P,B	105	234.3	19.0	31	35.8	773	11
NUTECH	5F-601AM	AM,B	101	231.7	18.5	8	35.8	768	12
VIKING	84-05	CONV	105	231.3	19.0	39	37.1	763	15
PIONEER	P0157AMXT GC	AMXT,AQ,B	101	230.7	18.8	17	37.2	763	16
FEDERAL	5690 VT2PRIB	VT2P,B	106	230.3	18.5	34	35.8	763	17
GOLDEN HARVEST	G06Q68-5222-EZR	5222,B	106	230.2	19.8	6	36.5	755	20
RENK	RK710DGVT2P	VT2PDG,B	106	230.1	18.3	30	35.2	764	14
KRUGER	K4R-9706	STX,B	106	229.7	21.2	19	36.5	746	26
NUTECH	63C4Q	QR,B	103	229.3	18.2	15	34.5	761	18
KRUGER	K0518DD	VT2PDG,B	105	229.2	17.1	1	37.2	767	13
TITAN PRO	20-05	STX,B	105	229.0	19.4	5	34.5	753	22
KRUGER	K0358SS	STX,B	103	228.5	19.7	36	37.1	750	24
NK BRAND	NK0624-5222-EZR	5222,B	106	228.4	19.1	17	34.5	753	23
KRUGER	K0626DP	VT2P,B	106	227.9	20.3	4	33.9	744	28
VIKING	51-04	CONV	104	226.8	17.2	3	33.9	758	19
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	226.8	18.8	6	35.8	750	25
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	225.0	16.9	10	33.9	754	21
FEDERAL	5570 VT2PRIB	VT2P,B	105	224.9	18.7	33	35.2	744	29
FS INVISION	FS 55RL1 EZR	3220,B	105	224.1	20.6	3	35.8	731	35
DEKALB	DKC55-53RIB GC	STX,B	105	223.6	18.8	25	36.5	739	30
RENK	RK642VT2P	VT2P,B	103	223.2	17.5	6	33.2	745	27
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	237.7	20.2	1	35.2	777	10
				Averages =	219.2	18.7	17	35.4	725
				LSD (0.10) =	12.9	0.9	ns		
				LSD (0.25) =	6.7	0.5	ns		
				C.V. =	5.6				

Corey Rozenboom

Corey Rozenboom

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Historic yield: 206.9 bu/a, 7 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.40

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

2020 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] OSAGE, IA

Dale Hemann, Mitchell County, IA 50461

Full-Season Test	107 - 110 Day CRM B2020IANC03b
Top 30 of 66	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Zidua, Liberty, Outlook
SOIL DESCRIPTION:	Dinsdale silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, high P, medium K, 5.8 pH, 4.1% OM, 18.5 CEC
PEST MANAGEMENT:	Halex Gt
FERTILITY - Applied N:	150 Sidedress
Applied N-P-K (units):	150-48-66
SEEDED - RATE - ROW:	May 1 37.7 /A 30" spacing
HARVESTED - STAND:	Oct 13 35.5 /A

TEST COMMENTS:

Good stands and early season vigor were a result of timely rain early that continued all season without exceptionally dry periods or flooding. Rainfall totals were near normal in this area which provided a good opportunity for excellent ear development and pollination. This site ended 1.3" above the 30-yr average from 5/1 to 9/15. Goosenecked plants were common across the trials and appeared to be hybrid specific. Lodging scores reflect root lodging that occurred after pollination and impacted the harvestability of some hybrids.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
KRUGER	K0708DT	TRE,B	107	255.6	20.1	3	36.5	836	1
NUTECH	70A8AM	AM,B	110	254.9	21.4	4	37.1	826	2
RENK	RK765VT2PRIB	VT2P,B	109	252.6	21.3	2	37.1	819	3
TITAN PRO	94-09 2P	VT2P,B	109	249.4	21.8	6	36.5	806	4
INTEGRA	6061 VT2PRIB	VT2P	110	248.0	22.0	3	34.5	800	5
HEFTY	H6024SSRIB	STX,B	110	245.8	22.4	10	35.2	790	7
KRUGER	K0807SS	STX,B	108	245.1	22.0	4	37.1	791	6
WYFFELS	W6978	STX	111	244.8	22.8	0	35.8	785	10
LATHAM	LH 5847 VT2P RIB	VT2P,B	108	242.2	21.1	18	35.8	786	9
NK BRAND	NK1026-3330-EZR	3330,B	110	242.1	22.6	1	36.5	777	13
GOLDEN HARVEST	G10D21-3330-EZR	3330,B	110	241.3	22.2	8	35.8	777	14
HEFTY	H5832VT2PRIB	VT2P,B	108	241.3	21.2	7	35.8	783	11
WYFFELS	W5516RIB	VT2P,B	108	239.2	20.4	6	33.9	781	12
FS INVISION	FS 60UX1 RIB	STX,B	110	238.9	22.1	18	34.5	770	17
NK BRAND	NK1082-5222A-EZR	5222A,B	110	237.8	22.1	30	35.9	766	18
PROHARVEST	8015 VT2PRIB	VT2P,B	110	237.6	20.5	15	35.8	775	16
INTEGRA	5770 STXRIB	STX,B	107	235.4	19.1	23	35.8	776	15
DEKALB	DKC61-40RIB GC	STX,B	111	235.2	21.5	30	35.8	761	22
TITAN PRO	92-09	CONV	109	235.1	20.7	0	35.8	766	19
WYFFELS	W5086RIB	VT2P,B	107	235.1	20.7	10	36.5	766	20
KRUGER	K0915DD	VT2PDG,B	109	234.7	21.2	6	37.2	762	21
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	234.0	22.3	1	35.8	753	27
NUTECH	68B3AML	AML,B	108	233.0	20.9	0	35.2	758	24
ARMOR	X19108A	3330	108	232.9	21.6	13	25.2	754	26
NK BRAND	NK0886-5122-EZR	5122,B	108	232.2	22.2	6	35.2	748	29
FS INVISION	FS 5704X	STX	107	231.9	19.9	8	37.1	760	23
CORNELIUS	C575DP	VT2P	109	230.5	21.5	6	37.1	746	30
PROHARVEST	6893 3330AEZ	3330A,B	108	229.9	21.7	10	35.8	743	32
WYFFELS	W6408RIB	STX,B	110	229.8	22.5	26	35.8	738	37
HI FIDELITY GENETICS	HFG1081	CONV	108	229.5	19.9	25	33.9	752	28
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	241.0	20.0	3	35.8	789	8
				Averages =	227.9	21.1	14	35.5	740
				LSD (0.10) =	12.9	0.8	19		
				LSD (0.25) =	6.8	0.4	10		
				C.V. =	5.4				
				Historic yield: 206.9 bu/a, 7 yr(s)					

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.40

Report Date: 10/14/2020

† 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 - Iowa North Central [IANC]

Early-Season Test Products (71 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	2856	3220,B	106	AVC,C2
AUGUSTA	4054-3010 GC	3010	104	AVC,C2,Vi
CORNELIUS	C478DP	VT2P	105	CM,C2,Vi
CORNELIUS	C6209DP	VT2P	102	NA
CORNELIUS	C6438DP	VT2P	104	CM,C2,Vi
DEKALB	DKC52-34RIB GC	STX,B	102	AC,P5V,EDC-B
DEKALB	DKC54-38RIB GC	STX,B	104	AC,P5V,EDC-B
DEKALB	DKC54-65RIB GC	VT2P,B	104	AC,P5V,EDC-EL
DEKALB	DKC55-53RIB GC	STX,B	105	AC,P5V,EDC-EL
FEDERAL	5280 VT2PRIB	VT2P,B	102	AC,P2,MAG
FEDERAL	5570 VT2PRIB	VT2P,B	105	AC,P5V,MAG
FEDERAL	5690 VT2PRIB	VT2P,B	106	AC,P2,MAG
FS INVISION	FS 51QX1 RIB	STX,B	101	AC,P5V
FS INVISION	FS 53ZX1 RIB	STX,B	103	AC,P5V
FS INVISION	FS 5594X RIB	STX,B	105	AC,P5V
FS INVISION	FS 55RL1 EZR	3220,B	105	AC,P2
GOLDEN HARVEST	G02K39-5122-EZR	5122,B	102	AVC,C2,Vi
GOLDEN HARVEST	G03R40-5222-EZR	5222,B	103	AVC,C2,Vi
GOLDEN HARVEST	G06Q68-5222-EZR	5222,B	106	AVC,C2,Vi
HEFTY	H5132VT2P	VT2P	101	HC
HEFTY	H5212VT2PRIB	VT2P,B	102	HC
HEFTY	H5214SSRIB	STX,B	102	HC
HEFTY	H5432VT2PRIB	VT2P,B	104	HC
HEFTY	H5522VT2PRIB	VT2P,B	105	HC
HI FIDELITY GENETICS	EXP2025	CONV	106	AC,P5V
HI FIDELITY GENETICS	HFG1041	CONV	104	AC,P2
INTEGRA	5081 DGVT2PRIB	VT2PDG,B	100	AC,P2,St,SU
INTEGRA	5280 VT2PRIB	VT2P,B	102	AC,P2,St,SU
INTEGRA	5351 5122-EZ	5122,B	103	AVC,C2,Vi,St,SU
INTEGRA	5529 VT2PRIB	VT2P,B	105	AC,P2,St,SU
KRUGER	K0358SS	STX,B	103	AC,PV5,B360
KRUGER	K0518DD	VT2PDG,B	105	AC,P5,B360
KRUGER	K0626DP	VT2P,B	106	AC,P5,B360
KRUGER	K0655SS	STX,B	106	AC,PV5,B360
KRUGER	K4R-9706	STX,B	106	AC,PV5,B360
LATHAM	LH 5377 VT2P RIB	VT2P,B	103	AC250

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
LATHAM	LH 5389 SS RIB	STX,B	103	AC,P5V
LATHAM	LH 5487 VT2P RIB	VT2P,B	104	AC250
LATHAM	LH 5635 VT2P RIB	VT2P,B	106	AC250
NK BRAND	NK0243-5122-EZR	5122,B	102	AVC,C2,Vi
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	AC,P5V,EDC-B
NORTHSTAR	NS 104-321	5122,B	104	AVC,C2,Vi
NORTHSTAR	NS 105-558VT2PRIB	VT2P,B	105	AC,P5V,EDC-B
NORTHSTAR	NS 106-186SSRIB	STX,B	106	AC,P5V,EDC-B
NUTECH	5F-601AM	AM,B	101	P1V,RN
NUTECH	62A8Q	QR,B	102	P1V,RN
NUTECH	63C4Q	QR,B	103	P1V,RN
NUTECH	64D1YHR	AM,B	104	P1V,RN
NUTECH	65H2Q	QR,B	105	P1V,RN
PIONEER	P0157AMXT GC	AMXT,AQ,B	101	Lum
PIONEER	P0339Q GC	QR,B	103	Lum
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	Lum
RENK	RK642VT2P	VT2P,B	103	AC,P2
RENK	RK695GTCBLLBL	3220	102	CM,C2
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	PC	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	55-02	CONV	102	CM,C2,Sb
VIKING	84-05	CONV	105	CM,C2,Sb
WYFFELS	W2506RIB	VT2P,B	101	AC250
WYFFELS	W3018	STX	102	AC,P5V
WYFFELS	W4196RIB	VT2P,B	105	AC250
WYFFELS	W4246	VT2P	105	AC250

2020 Corn - Iowa North Central [IANC]

Full-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
ARMOR	A0711	VT2P	107	ZN
ARMOR	A1029	VT2P	110	ZN
ARMOR	X19108A	3330	108	ZN
AUGUSTA	1058	CONV	108	AC,P2
AUGUSTA	4757	VT2P	107	AC,P5V
CORNELIUS	C575DP	VT2P	109	CM,C2,Vi
CORNELIUS	C633DP	VT2P	110	CM,C2,Vi
CORNELIUS	C7004DP	VT2P	110	AC,P5V,EDC-B
DEKALB	DKC59-81RIB GC	STX,B	109	AC,P5V,EDC-B
DEKALB	DKC61-40RIB GC	STX,B	111	AC,P5V,EDC-B
EPLEY	E1800	CONV	108	Vi5
FEDERAL	5915 VT2P	VT2P	109	AC,P5V,MAG
FS INVISION	FS 5704X	STX	107	AC,P5V
FS INVISION	FS 5892V RIB	VT2P,B	108	AC,P5V
FS INVISION	FS 58RL1 EZR	3220,B	108	AC,P2
FS INVISION	FS 5909D2A EZR	5222A,B	109	AC,P5V
FS INVISION	FS 60UX1 RIB	STX,B	110	AC,P5V
GOLDEN HARVEST	G08D29-5122A-EZR	5122A,B	108	AVC,C5,Vi
GOLDEN HARVEST	G10D21-3330-EZR	3330,B	110	AVC,C5,Vi
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	AVC,C5,Vi
HEFTY	H5812VT2PRIB	VT2P,B	108	HC
HEFTY	H5832VT2PRIB	VT2P,B	108	HC
HEFTY	H5944SS	STX	109	HC
HEFTY	H6024SSRIB	STX,B	110	HC
HI FIDELITY GENETICS	HFG1071	CONV	107	AC,P5V
HI FIDELITY GENETICS	HFG1081	CONV	108	AC,P2
HI FIDELITY GENETICS	HFG1092	CONV	109	AC,P5V
INTEGRA	5719 VT2PRIB	VT2P,B	107	AC,P2,St,SU
INTEGRA	5770 STXRIB	STX,B	107	AC,P5V,St,SU
INTEGRA	5939 STXRIB	STX,B	109	AC,P5V,St,SU
INTEGRA	6061 VT2PRIB	VT2P	110	AC,P5,St,SU
KRUGER	K0708DT	TRE,B	107	AC,PV5,B360
KRUGER	K0807SS	STX,B	108	AC,PV5,B360
KRUGER	K0915DD	VT2PDG,B	109	AC,P5,B360
KRUGER	K0917SS	STX,B	109	AC,PV5,B360
KRUGER	K1005DP	VT2P,B	110	AC,P2,B360

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	AC250
LATHAM	LH 5739 SS RIB	STX,B	107	AC,P5V
LATHAM	LH 5742 RR	RR2	107	AC250
LATHAM	LH 5769 SS RIB	STX,B	107	AC,P5V
LATHAM	LH 5847 VT2P RIB	VT2P,B	108	AC250
NK BRAND	NK0886-5122-EZR	5122,B	108	AVC,C5,Vi
NK BRAND	NK1026-3330-EZR	3330,B	110	AVC,C5,Vi
NK BRAND	NK1082-5222A-EZR	5222A,B	110	AVC,C5,Vi
NUTECH	5FB-8808AM	AM,B	108	P1V,RN
NUTECH	68A7AM	AM,B	107	P1V,RN
NUTECH	68B3AML	AML,B	108	P1V,RN
NUTECH	70A8AM	AM,B	110	P1V,RN
NUTECH	70F2Q	QR,B	110	P1V,RN
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	Lum
PIONEER	P1197AM GC	AM,B	111	Lum
PROHARVEST	6893 3330AEZ	3330A,B	108	AC,P2
PROHARVEST	78P60VT2PRIB	VT2P,B	108	P5V
PROHARVEST	8015 VT2PRIB	VT2P,B	110	AC,P2
RENK	RK700SSTX	STX	107	AC,P5V
RENK	RK765VT2PRIB	VT2P,B	109	AC,P2
RENK	RK805VT2P	VT2P	110	AC,P2
TITAN PRO	91-07	CONV	107	C2
TITAN PRO	92-09	CONV	109	AC250
TITAN PRO	94-09 2P	VT2P,B	109	AC250
VIKING	48-08	CONV	108	CM,C2,Sb
WYFFELS	W5086RIB	VT2P,B	107	AC250
WYFFELS	W5516RIB	VT2P,B	108	AC250
WYFFELS	W6408RIB	STX,B	110	AC,P5V
WYFFELS	W6826RIB	VT2P,B	111	AC250
WYFFELS	W6978	STX	111	AC,P5V

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*

3010	Agrisure® 3010
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
3330A	Agrisure® Artesian® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5122A	Agrisure Duracade™ Artesian® 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme
AQ	Optimum® AQUAmax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
CONV	Conventional
PC	PowerCore™
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
TRE	Genuity® Trecepta™
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
AC250	Acceleron 250
AC,P2	Acceleron, Poncho 250
AC,P2,B360	Acceleron Poncho 250 with BioRise™ B-360 ST
AC,P2,MAG	Acceleron 250, Federal ArmourGuard
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P5,B360	Acceleron Poncho 500 with BioRise™ B-360 ST
AC,P5,St,SU	Acceleron Poncho 500, 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
AC,PV5,B360	Acceleron Poncho 500/Votivo with BioRise™ B-360 ST
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 Innoculant
CM,C2,Vi	CruiserMaxx 250 with Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
P1V,RN	Poncho 1250/Votivo, Rancona®
P5V	Poncho 500/Votivo
VI5	Vibrance® Cinco
ZN	Winfield United Advanced Coating® Zn

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