

Test by: Southern MN FIRST New Richland, MN

## 2020 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] EASTON, MN  
Dru Martin, Faribault County, MN 56025

<b>Early-Season Test</b>	97 - 102 Day CRM B2020MNSW05a
<b>Top 30 of 80</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Flexstar Gt, Authority First
<b>SOIL DESCRIPTION:</b>	Clarion loam, well drained, non- irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, medium P, medium K, 5.4 pH, 3.9% OM, 29.1 CEC
<b>PEST MANAGEMENT:</b>	Keystone La Nxt, Force, Laudis, Atrazine, Headline
<b>FERTILITY - Applied N:</b>	182 Fall, 28 Sidedress
<b>Applied N-P-K (units):</b>	210-77-84
<b>SEEDED - RATE - ROW:</b>	Apr 27 35.3 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 28 33.4 /A

### TEST COMMENTS:

*Dru reported that moisture fell in just the right amounts all summer long here vs. areas a few miles away, which missed key rains. Temperatures all season were moderately warm, enabling ears to fill with excellent results. They did apply Headline fungicide at the critical pollination period. Plants generally stood very well at harvest, and there was no evidence of disease pressure.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
PIONEER	P9998Q GC	QR	99	<b>290.3</b>	18.5	0	34.8	976	1
HI FIDELITY GENETICS	HFG1001	CONV	100	<b>287.8</b>	18.3	0	30.3	970	2
MILLER HYBRIDS	M02-73BGV	3220	102	<b>283.5</b>	18.4	0	33.9	954	4
GOLDEN HARVEST	G00H12-5122-EZR	5122,B	100	<b>282.7</b>	18.5	2	33.5	950	5
DAIRYLAND	DS-4018AM	AM,AQ,B	101	<b>281.9</b>	17.7	0	34.4	956	3
MILLER HYBRIDS	M00-49	CONV	100	<b>280.3</b>	18.2	0	33.0	946	6
VIKING	55-02	CONV	102	<b>279.1</b>	18.4	0	33.5	939	8
ANDERSON	6909	CONV	98	<b>276.0</b>	17.2	2	33.9	942	7
DAIRYLAND	DS-4000AMXTRIB	AMXT,B	100	<b>276.0</b>	17.6	0	33.5	937	9
RENK	RK695GTCBLLBL	3220	102	<b>275.7</b>	18.7	0	34.4	924	15
TITAN PRO	26-00	5222,B	100	<b>275.7</b>	18.9	0	32.1	922	16
PIONEER	P0075Q GC	QR	100	<b>274.7</b>	17.5	0	33.0	934	11
AUGUSTA	2545	5122,B	95	<b>274.5</b>	18.1	1	34.8	927	13
FEDERAL	5280 CONV	CONV	101	<b>273.7</b>	17.1	1	31.2	935	10
AUGUSTA	3052	5222,B	102	273.2	19.0	0	33.5	913	17
DEKALB	DKC50-08RIB GC	STX,B	100	271.1	17.2	0	33.5	925	14
ANDERSON	6581	CONV	101	270.5	18.3	0	34.8	911	18
NK BRAND	NK0243-5122-EZR	5122,B	102	268.2	18.8	6	33.5	898	20
LATHAM	LH 5077 VT2P RIB	VT2P,B	100	266.3	17.8	0	34.4	903	19
NK BRAND	NK9991-5122-EZR	5122,B	99	266.2	18.2	0	34.4	898	21
RENK	RK626SSTX	STX	102	262.6	17.6	1	33.5	891	24
DAIRYLAND	DS-4014Q	QR,B	100	262.4	18.0	0	34.4	887	26
INTEGRA	5280 VT2PRIB	VT2P,B	102	261.9	17.3	0	33.9	892	23
HEINE	7010	VT2P	100	261.9	17.7	2	34.4	889	25
LATHAM	LH 4937 VT2P RIB	VT2P,B	99	260.6	16.7	0	33.5	894	22
TITAN PRO	92-99 2P	VT2P,B	99	258.2	16.8	2	33.9	885	27
VIKING	99-00	CONV	100	258.0	17.4	0	33.0	879	30
RENK	RK600SSTX	STX,B	100	257.4	17.0	0	33.5	880	29
HEINE	7200	VT2P	102	257.2	17.2	0	31.7	877	31
HEFTY	H5144SS	STX	101	257.1	16.7	1	35.3	883	28
DEKALB	DKC52-35RIB CK	VT2P,B	102	273.1	17.5	2	35.3	928	12

*Mark Querna*

Mark Querna

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Averages = **253.8** **17.5** **1** **33.4** **863**

LSD (0.10) = 19.8 0.5 1

LSD (0.25) = 10.4 0.3 1

C.V. = 7.4

Historic yield: 199.9 bu/a, 17 yr(s)

### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.4

Drying = \$0.04

Prices: GMO = \$3.50

Test by: Southern MN FIRST New Richland, MN

## 2020 Corn Grain Top 30 Harvest Report

Minnesota Southwest [MNSW] EASTON, MN  
Dru Martin, Faribault County, MN 56025

<b>Full-Season Test</b>	103 - 107 Day CRM B2020MNSW05b
<b>Top 30 of 60</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Flexstar Gt, Authority First
<b>SOIL DESCRIPTION:</b>	Clarion loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, medium P, medium K, 5.4 pH, 3.9% OM, 29.1 CEC
<b>PEST MANAGEMENT:</b>	Keystone La Nxt, Force, Laudis, Atrazine, Headline
<b>FERTILITY - Applied N:</b>	182 Fall, 28 Sidedress
<b>Applied N-P-K (units):</b>	210-77-84
<b>SEEDED - RATE - ROW:</b>	Apr 27 35.3 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 28 33.1 /A

### TEST COMMENTS:

*Dru reported that moisture fell in just the right amounts all summer long here vs. areas a few miles away, which missed key rains. Temperatures all season were moderately warm, enabling ears to fill with excellent results. They did apply Headline fungicide at the critical pollination period. Plants generally stood very well at harvest, and there was no evidence of disease pressure.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
VIKING	84-05	CONV	105	<b>299.6</b>	18.2	0	32.1	1011	1
WYFFELS	W4246	VT2P	105	<b>299.1</b>	18.3	0	33.9	1008	2
HEFTY	H5524SSRIB	STX,B	105	<b>293.7</b>	18.7	1	30.8	984	3
HEINE	7550	STX	106	<b>293.2</b>	20.0	6	33.0	968	4
INTEGRA	5351 5122-EZ	5122,B	103	<b>287.9</b>	19.1	3	34.8	960	5
<i>INTEGRA</i>	<i>5719 VT2PRIB</i>	<i>VT2P,B</i>	<i>107</i>	<i>287.2</i>	<i>20.3</i>	<i>0</i>	<i>33.0</i>	<i>944</i>	<i>10</i>
RENK	RK726H	PC	106	285.1	19.5	1	32.6	947	8
GOLD COUNTRY	106-09R2P	VT2P	106	283.3	18.7	0	32.6	949	7
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	282.8	19.3	0	33.9	941	12
ENESTVEDT	E598	CONV	106	282.5	18.5	1	34.4	950	6
HEINE	7710	VT2P	107	281.9	19.0	0	34.8	942	11
GOLDEN HARVEST	G06Q68-5222-EZR	5222,B	106	279.9	18.7	0	33.5	938	14
PIONEER	P0589 CONV GC	CONV	105	279.5	18.0	1	34.4	945	9
VIKING	51-04	CONV	104	279.5	18.6	0	32.6	938	15
RENK	RK700SSTX	STX	107	279.1	19.6	0	31.7	926	16
INTEGRA	5770 STXRIB	STX,B	107	278.6	18.1	0	29.2	941	13
TITAN PRO	24-04	PC	104	277.7	19.4	1	34.8	923	17
RENK	RK710DGV2P	VT2PDG,B	106	276.0	19.0	1	33.0	921	19
HEINE	7570	STX	105	275.5	18.7	2	32.1	923	18
HEFTY	H5624SSRIB	STX,B	106	275.0	19.5	0	31.7	913	22
GOLDEN HARVEST	G04G36-3111A	3111A	104	274.6	19.3	1	33.0	914	21
DAIRYLAND	DS-4310AMRIB	AM,B	104	273.4	18.6	1	34.4	917	20
WYFFELS	W4196RIB	VT2P,B	105	271.9	18.5	0	33.0	913	23
GOLDEN HARVEST	G03R40-5222-EZR	5222,B	103	271.9	19.9	3	34.4	898	28
GOLD COUNTRY	106-96RSS	STX,B	106	271.6	18.8	0	32.6	909	24
VIKING	42-05	CONV	105	269.4	18.5	2	32.6	906	25
TITAN PRO	26-03 5222	5222,B	103	269.4	19.5	1	34.8	894	30
TITAN PRO	20-05	STX,B	105	269.2	18.3	0	33.5	906	26
GOLD COUNTRY	107-84R2P	VT2P	107	267.6	18.6	2	33.0	898	29
HEINE	740	VT2P,B	103	264.8	17.6	0	34.4	899	27
DEKALB	DKC52-35RIB CK	VT2P,B	102	238.4	17.5	0	34.4	810	56
				<b>Averages =</b>	<b>267.6</b>	<b>18.7</b>	<b>1</b>	<b>33.1</b>	<b>896</b>
				<b>LSD (0.10) =</b>	18.1	0.6	1		
				<b>LSD (0.25) =</b>	9.5	0.3	1		
				<b>C.V. =</b>	6.4				
				Historic yield: 199.9 bu/a, 17 yr(s)					

Mark Querna

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### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.4

Drying = \$0.04

Prices: GMO = \$3.50

Report Date: 10/28/2020

† 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 - 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
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

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
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 DGVT2PRIB	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
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
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

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
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	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	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

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^ 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\*

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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
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\*\*

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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

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