

2022 Corn Grain Top 30 Performance Summary for Red River South North Dakota & Minnesota [RRSO]

Early-Season Test

85 - 90 Day CRM

B2022RRSOa

Top 30 of 36

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

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Fairmount No Results	Kindred	Litchville *	Milnor	Wendell	
INTEGRA	4023-3220A ↗	V	90	172.0	19.1	1	1097	1		150.1	132.2	193.6	212.0	
LEGACY	LC403-22 ↗	AA	90	169.7	17.8	0	1086	2		150.5	117.1	195.8	215.3	
THUNDER	T6389 VT2P ↗	VT2P	89	167.1	15.6	0	1079	3		138.2	159.6	176.6	194.1	
REA	3B903 ↗	VT2P	90	166.9	15.7	0	1077	4		143.9	148.3	172.5	202.7	
GOLDEN HARVEST	G90S99-DV ↗	DV	90	166.7	18.4	0	1065	5		138.6	129.0	196.9	202.3	
INNOTECH	IC3983-3220 ↗	V	89	163.9	17.3	0	1052	6		139.7	124.3	177.8	213.7	
RENK	RK400VT2P ↗	VT2P	90	162.5	17.1	0	1044	7		143.6	135.6	172.3	198.5	
DAIRYLAND	DS-3022AM ↗	AM	90	159.4	16.4	0	1026	8		131.8	127.9	178.3	199.7	
HEFTY	H4052 ↗	VT2P	90	158.6	17.2	0	1019	12		139.4	132.6	177.6	184.9	
RENK	RK297VT2P ↗	VT2P	89	158.6	16.5	0	1021	10		124.9	141.7	163.0	204.9	
LATHAM	LH 3937 VT2P RIB ↗	VT2P	89	158.2	17.1	0	1017	13		122.1	146.3	164.7	199.6	
HEFTY	H3712 RIB ↗	VT2P	87	158.0	15.1	2	1022	9		142.8	135.4	153.8	200.2	
REA	EXP88B04 ↗	VT2P	88	157.9	15.3	0	1021	11		149.7	143.8	159.4	178.7	
DAIRYLAND	DS-2919AM ↗	AM	89	156.9	16.7	0	1009	14		127.8	144.8	166.5	188.4	
LATHAM	LH 3827 VT2P RIB ↗	VT2P	88	155.8	16.6	0	1003	15		139.7	139.0	153.8	190.7	
NK BRAND	NK8760-V ↗	V	87	154.2	17.3	0	990	18		128.7	133.5	162.2	192.6	
DAIRYLAND	DS-2505Q ↗	QR	85	154.2	15.1	0	997	16		135.7	129.2	171.0	180.9	
GOLDEN HARVEST	G87A53-V ↗	V	87	154.0	17.3	0	988	19		147.1	124.2	163.1	181.8	
THUNDER	T6888 VT2P ↗	VT2P	88	153.7	16.0	0	991	17		134.1	137.9	160.4	182.3	
ROB-SEE-CO	RC3601-GTA ↗	GTA	86	153.4	16.6	0	987	20		135.7	133.4	167.9	176.6	
THUNDER	T6987 VT2P ↗	VT2P	87	152.3	14.9	3	985	21		139.0	135.3	155.5	179.3	
LEGACY	LC353-22 ↗	AA	85	151.9	16.2	0	979	23		141.0	130.4	163.6	172.8	
LATHAM	LH 3867 VT2P RIB ↗	VT2P	88	150.4	15.5	0	972	24		131.8	132.6	160.8	176.2	
HEFTY	H4064 ↗	STX	90	149.0	15.7	0	962	25		125.4	131.4	171.4	168.0	
DYNA-GRO	D28VC33 ↗	VT2P	88	148.6	15.6	0	960	26		129.2	132.3	151.3	181.8	
LATHAM	LH 3695 VT2P RIB ↗	VT2P	86	148.0	15.1	1	957	27		133.8	131.7	149.8	176.5	
INTEGRA	3629 VT2PRIB ↗	VT2P	86	147.6	15.0	1	954	28		125.7	126.4	161.4	177.0	
REA	86A94 ↗	STX	86	146.6	15.1	0	949	29		125.3	135.2	155.5	170.6	
DAIRYLAND	DS-2531AM ↗	AM	85	146.5	14.8	0	948	30		130.4	117.4	154.2	184.0	
DYNA-GRO	D27VC87RIB ↗	VT2P	87	145.6	15.4	0	940	31		133.6	119.5	152.0	177.3	
DEKALB	DKC40-99RIB CK	TRE	90	152.2	16.1	0	982	22		133.1	149.2	151.0	175.6	
				Averages =	153.7	16.1	0	990			132.9	132.3	163.8	185.1
				LSD (0.10) =	9.0	0.7	1				12.5	13.4	9.2	11.5
				LSD (0.25) =	4.7	0.4	0				6.6	7.0	4.9	6.0

Not planted - wet spring conditions

Luke Brendemuhl

luke.brendemuhl@firstseedtests.com, (218) 790-4497

Prev. years average yield for region: 182.11 bu/a, 7 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$6.44

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com *There were 3 reps for the site.

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Report Date: 10/27/2022

2022 Corn Grain Top 30 Performance Summary for Red River South North Dakota & Minnesota [RRSO]

Full-Season Test

91 - 95 Day CRM

B2022RRSOB

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For Gross Income (Sorted by Yield), (16) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Fairmount No Results	Kindred	Litchville	Milnor	Wendell
NK BRAND	NK9231-AA ↗	AA	92	170.0	21.7	0	1072	1		156.5	169.2	146.7	207.7
ROB-SEE-CO	RC4166-3110A ↗	3110A	91	166.9	19.2	1	1063	2		160.7	131.7	161.6	213.4
ENESTVEDT	E612RR ↗	RR2	92	164.5	18.4	0	1052	3		160.1	162.7	144.9	190.2
HEFTY	H4564 ↗	STX	95	163.6	21.7	0	1033	6		160.2	145.3	149.1	200.0
THUNDER	THX22-95 ↗	VT2P	95	163.5	19.4	0	1041	4		144.5	175.1	147.0	187.4
LATHAM	LH 4527 VT2P RIB ↗	VT2P	95	162.9	19.8	0	1036	5		143.9	168.3	142.6	196.7
HEFTY	H4462 ↗	VT2P	94	161.9	19.5	0	1030	8		144.4	161.4	140.8	200.9
ROB-SEE-CO	RC4535-3110 ↗	3110	95	161.7	18.6	0	1033	7		150.4	153.5	156.6	186.5
RENK	RK444VT2P ↗	VT2P	93	161.2	19.3	0	1027	9		137.9	166.1	148.2	192.7
LATHAM	LH 4242 VT2P RIB ↗	VT2P	92	159.5	19.0	0	1017	10		153.6	153.2	144.3	186.8
DAIRYLAND	DS-3550AM ↗	AM	95	159.4	19.8	0	1013	11		146.3	140.7	148.2	202.3
RENK	RK502SSTX ↗	STX	95	159.4	19.8	0	1013	12		141.9	152.1	136.7	206.8
THUNDER	T6294 VT2P ↗	VT2P	94	157.9	19.8	0	1004	14		149.0	158.1	139.6	184.9
LATHAM	LH 4517 VT2P RIB ↗	VT2P	95	157.1	17.8	0	1007	13		147.5	158.9	130.5	191.6
DYNA-GRO	D34VC93 ↗	VT2P	94	156.9	19.2	0	1000	15		136.4	170.2	133.2	187.9
REA	95A36 ↗	STX	95	156.4	19.2	0	997	16		139.9	156.1	137.1	192.6
DYNA-GRO	D33QZ83 ↗	V	93	155.7	19.0	0	993	17		152.6	146.1	133.9	190.1
GOLDEN HARVEST	G91V51-DV ↗	DV	91	155.3	21.3	1	982	20		141.9	135.7	149.5	194.3
HEFTY	H4262 RIB ↗	VT2P	92	154.6	18.0	0	990	18		141.3	156.0	131.1	190.1
REA	92B10 ↗	VT2P	92	153.9	16.7	0	990	19		140.3	160.3	125.2	190.0
REA	4B944 ↗	VT2P	94	153.8	18.8	0	981	21		140.4	158.7	127.3	188.7
DYNA-GRO	D31VC23 ↗	VT2P	91	152.8	17.6	0	980	22		146.1	142.5	139.4	183.3
NK BRAND	NK9175-DV ↗	DV	91	152.6	21.2	1	965	24		150.0	115.1	156.1	189.1
DAIRYLAND	DS-3477AM ↗	AM	94	152.4	18.0	0	976	23		121.3	162.7	137.0	188.5
HEFTY	H4522 ↗	VT2P	95	152.3	20.6	0	965	25		139.0	150.1	131.9	188.2
ROB-SEE-CO	RC4213-3120 ↗	AA	92	150.5	18.9	0	960	26		144.4	137.8	130.9	188.8
DEKALB	DKC44-98RIB GC ↗	VT2P	94	149.9	18.1	0	959	27		138.9	149.5	124.1	187.0
THUNDER	T6595 VT2P ↗	VT2P	95	149.7	19.3	0	954	29		126.3	154.5	133.4	184.8
THUNDER	T6791 VT2P ↗	VT2P	91	148.8	17.5	0	954	28		138.5	150.1	121.0	185.5
LATHAM	LH 4375 VT2P RIB ↗	VT2P	93	148.3	17.3	0	952	30		135.7	146.2	130.2	181.0
DEKALB	DKC40-99RIB CK	TRE	90	144.6	16.4	0	931	35		135.4	149.6	121.8	171.5
Averages =				154.0	19.0	0	982			141.9	150.9	136.0	188.4
LSD (0.10) =				8.4	0.9	ns				9.6	12.8	10.8	9.9
LSD (0.25) =				4.4	0.5	ns				5.0	6.7	5.7	5.2

Not planted - wet spring conditions

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2022 Corn Grain - Red River South North Dakota & Minnesota [RRSO]

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Dairyland	DS-2505Q	QR	Y	85	Lum, L1
Dairyland	DS-2531AM	AM	Y	85	Lum, L1
Dairyland	DS-2919AM	AM	Y	89	Lum, L1
Dairyland	DS-3022AM	AM	Y	90	Lum, L1
DeKalb	DKC35-88RIB GC	VT2P	Y	85	AC,P5V,SU+Zn
DeKalb	DKC40-99RIB CK	TRE	Y	90	AC,P5V,EDC-EL
Dyna-Gro	D27VC87RIB	VT2P	N	87	AC,P5V
Dyna-Gro	D28VC33	VT2P	N	88	AC,P5V
Golden Harvest	G87A53-V	V	Y	87	AVC,C2,Vi,Va
Golden Harvest	G90S99-DV	DV	Y	90	AVC,C2,Vi,Va
Hefty	H3632	VT2P	N	86	HC
Hefty	H3712 RIB	VT2P	Y	87	HC
Hefty	H4052	VT2P	N	90	HC
Hefty	H4064	STX	N	90	HC
Innotech	IC3983-3220	V	Y	89	AVC,C2,Vi,Va
Integra	3629 VT2PRIB	VT2P	Y	86	AC,P5V,SU+Zn
Integra	4023-3220A	V	N	90	CM,C2,Vi
Latham	LH 3695 VT2P RIB	VT2P	Y	86	AC,P2
Latham	LH 3827 VT2P RIB	VT2P	Y	88	AC,P2
Latham	LH 3867 VT2P RIB	VT2P	Y	88	AC,P2
Latham	LH 3937 VT2P RIB	VT2P	Y	89	AC,P2
Legacy	LC353-22	AA	Y	85	AC,P2
Legacy	LC403-22	AA	Y	90	AC,P2
NK Brand	NK8760-V	V	Y	87	AVC,C2,Vi,Va
REA	2B863	VT2P	Y	86	AC,P5V,EDC-B
REA	3B903	VT2P	Y	90	AC,P5V,EDC-B
REA	86A94	STX	Y	86	AC,P5V,EDC-B
REA	EXP88B04	VT2P	Y	88	AC,P5V,EDC-B
Renk	RK297VT2P	VT2P	N	89	AC,P2
Renk	RK400VT2P	VT2P	N	90	AC,P2
Rob-See-Co	RC3601-GTA	GTA	N	86	CM,C2,Vi
Thunder	T6085 VT2P	VT2P	Y	85	AC,P2
Thunder	T6185 VT2P	VT2P	Y	85	AC,P2
Thunder	T6389 VT2P	VT2P	Y	89	AC,P2
Thunder	T6888 VT2P	VT2P	Y	88	AC,P2
Thunder	T6987 VT2P	VT2P	Y	87	AC,P2

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

2022 Corn Grain - Red River South North Dakota & Minnesota [RRSO]

Full-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Dairyland	DS-3203AM	AM	Y	92	Lum, L1
Dairyland	DS-3366AM	AM	Y	93	Lum, L1
Dairyland	DS-3477AM	AM	Y	94	Lum, L1
Dairyland	DS-3550AM	AM	Y	95	Lum, L1
DeKalb	DKC40-99RIB CK	TRE	Y	90	AC,P5V,EDC-EL
DeKalb	DKC44-98RIB GC	VT2P	Y	94	AC,P5V,EDC-EL
Dyna-Gro	D31VC23	VT2P	N	91	AC,P2
Dyna-Gro	D33QZ83	V	N	93	AC,P5V
Dyna-Gro	D34VC93	VT2P	N	94	AC,P5V,EDC-B
Enestvedt	E612RR	RR2	N	92	AC,P2
Golden Harvest	G91V51-DV	DV	Y	91	AVC,C2,Vi,Va
Golden Harvest	G93A49-D	D	Y	93	AVC,C2,Vi,Va
Hefty	H4262 RIB	VT2P	Y	92	HC
Hefty	H4332	VT2P	N	93	HC
Hefty	H4462	VT2P	N	94	HC
Hefty	H4522	VT2P	N	95	HC
Hefty	H4564	STX	N	95	HC
Latham	LH 4242 VT2P RIB	VT2P	Y	92	AC,P2
Latham	LH 4375 VT2P RIB	VT2P	Y	93	AC,P2
Latham	LH 4454 VT2P RIB	VT2P	Y	94	AC,P2
Latham	LH 4517 VT2P RIB	VT2P	Y	95	AC,P2
Latham	LH 4527 VT2P RIB	VT2P	Y	95	AC,P5V,EDC-B
NK Brand	NK9175-DV	DV	Y	91	AVC,C2,Vi,Va
NK Brand	NK9231-AA	AA	Y	92	AVC,C2,Vi,Va
NK Brand	NK9347-D	D	Y	93	AVC,C2,Vi,Va
REA	4B944	VT2P	Y	94	AC,P5V,EDC-B
REA	4B958	VT2P	Y	95	AC,P5V,EDC-B
REA	92B10	VT2P	Y	92	AC,P5V,EDC-B
REA	95A36	STX	Y	95	AC,P5V,EDC-B
Renk	RK444VT2P	VT2P	N	93	AC,P5V
Renk	RK502SSTX	STX	N	95	AC,P5V
Rob-See-Co	RC4166-3110A	3110A	N	91	CM,C2,Vi
Rob-See-Co	RC4213-3120	AA	Y	92	AVC,C2,Vi,Va
Rob-See-Co	RC4535-3110	3110	N	95	CM,C2,Vi
Stine	9319-10	3010	N	93	Se,Sa,Sn,Sp
Thunder	T6294 VT2P	VT2P	Y	94	AC,P2
Thunder	T6595 VT2P	VT2P	Y	95	AC,P2
Thunder	T6791 VT2P	VT2P	Y	91	AC,P2
Thunder	T6992 VT2P	VT2P	Y	92	AC,P2
Thunder	THX22-95	VT2P	Y	95	AC,P5V,EDC-B

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

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 (GT,CB,LL), formerly GT/CB/LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3110A	Agrisure® Artesian® Viptera® 3110 (Vip, CB,LL,GT)
AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
GTA	Agrisure® Artesian® GTA
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®

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

Corn Grain Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
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,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
HC	Hefty Complete
Lum, L1	(2022) LumiGEN, Lumisure 1250
Se,Sa,Sn,Sp	Senator 250, Sativa, Spirato, Sebring

* Seed treatments may include unspecified plant health promoting components.