

Test by: Southern MN FIRST New Richland, MN

2024 Corn Grain Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE]

HAWLEY, MN

Brian Petermann, Clay County, MN

All-Season Test	82 - 92 Day CRM B2024RRCE20
Top 30 of 35	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybeans / Enlist Duo, Warrant
SOIL DESCRIPTION:	Hokans-Buse Complex loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 7.0 pH, 4.3% OM, 18.4 CEC
PEST MANAGEMENT:	Acuron, Roundup
FERTILITY - Applied N:	218 Spring, 5.6 # Sulfur
Applied N-P-K (units):	218-173-150
SEEDED - RATE - ROW:	May 10 34.4 /A 30" spacing
HARVESTED - STAND:	Oct 26 33.3 /A

TEST COMMENTS:

Planting conditions were good. Rainfall throughout the next several weeks made post-emergence spraying dicey and kept soil saturated. The last two of four vertical replications suffered from excess water in the soil profile. A successful post-emergence application was followed by an unexpected shower, which reduced the effectiveness on that part of the plot as well. Half of this site looked great, and half showed the struggles of excess rain and broadleaf escapes. Brian was mostly happy with yields across his farm, saying yield variation was an issue that popped up in parts of most fields. Two replicates of the test were removed due to variability.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK9231-AA ↗	AA	92	210.3	15.5	0	34.4	837	1
Dairyland	DS-3159AM ↗	AM	91	204.9	15.9	0	32.9	812	2
Augusta	A2140-AA ↗	AA	90	198.3	16.1	0	33.7	784	3
Thunder	T6592 VT2P ↗	VT2P	92	195.8	16.4	0	31.5	773	4
Dairyland	DS-2847PCE ↗	PCE	88	188.9	15.8	0	32.9	750	5
Golden Harvest	G85B04-AA ↗	AA	85	183.1	15.1	0	33.7	732	6
Thunder	T6490 VT2P ↗	VT2P	90	183.0	15.5	0	32.9	728	7
Dairyland	DS-2620AM ↗	AM	86	180.9	15.5	1	34.4	720	8
NK Brand	NK9021-D ↗	D	90	176.4	15.8	1	33.0	700	9
Golden Harvest	G92A51-AA ↗	AA	92	174.3	15.3	2	33.7	695	10
Thunder	T6983 VT2P ↗	VT2P	83	173.7	15.1	0	33.0	694	11
Thunder	T6987 VT2P ↗	VT2P	87	171.5	16.2	1	33.0	678	13
NK Brand	NK8711-V ↗	V	87	171.0	15.6	0	33.7	680	12
Augusta	A2037 ↗	V	87	169.2	15.8	5	33.7	672	14
Renk	RK296AA ↗	AA	89	165.6	15.7	1	33.7	658	15
Channel	193-91VT2PRIB GC ↗	VT2P	93	164.2	16.5	1	33.7	647	17
Thunder	T6587 PC ↗	PCE	87	163.9	14.7	0	33.7	655	16
Thunder	T6591 PC ↗	PCE	91	158.9	16.5	0	33.0	626	20
Golden Harvest	G87U44-V ↗	V	87	158.4	15.8	1	33.0	629	18
Enestvedt	E612RR ↗	RR2	92	157.5	15.5	0	34.4	627	19
Renk	RK405SSTX ↗	STX	91	157.0	16.0	0	33.0	621	21
Thunder	T6185 VT2P ↗	VT2P	85	155.0	15.9	1	32.2	614	22
Renk	RK297VT2P ↗	VT2P	89	152.3	15.8	0	32.2	605	23
Golden Harvest	G91V51-DV ↗	DV	91	148.5	17.3	0	34.4	581	24
Thunder	T6485 PC ↗	PCE	85	143.6	15.0	5	33.7	574	25
Renk	RK304VT2P ↗	VT2P	90	143.0	15.9	2	33.7	567	26
Pioneer	P9211AM GC ↗	AM	92	142.9	16.6	0	32.9	562	27
Renk	RK261VT2P ↗	VT2P	86	137.6	14.7	1	31.5	550	28
NK Brand	NK8558-AA ↗	AA	85	136.6	15.3	5	32.2	545	29
Proseed	2488 VT2PRIB GC ↗	VT2P	88	136.0	15.5	0	34.4	541	30



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Averages = **161.5** **15.7** **1** **33.3** **641**

LSD (0.10) = 26.9 0.5 ns

LSD (0.25) = 14.0 0.2 ns

C.V. = 12.7

Historic yield: 174.43 bu/a, 10 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.00

Report Date: 10/27/2024

† 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. ↗ Links to full product yield results at www.firstseedtests.com

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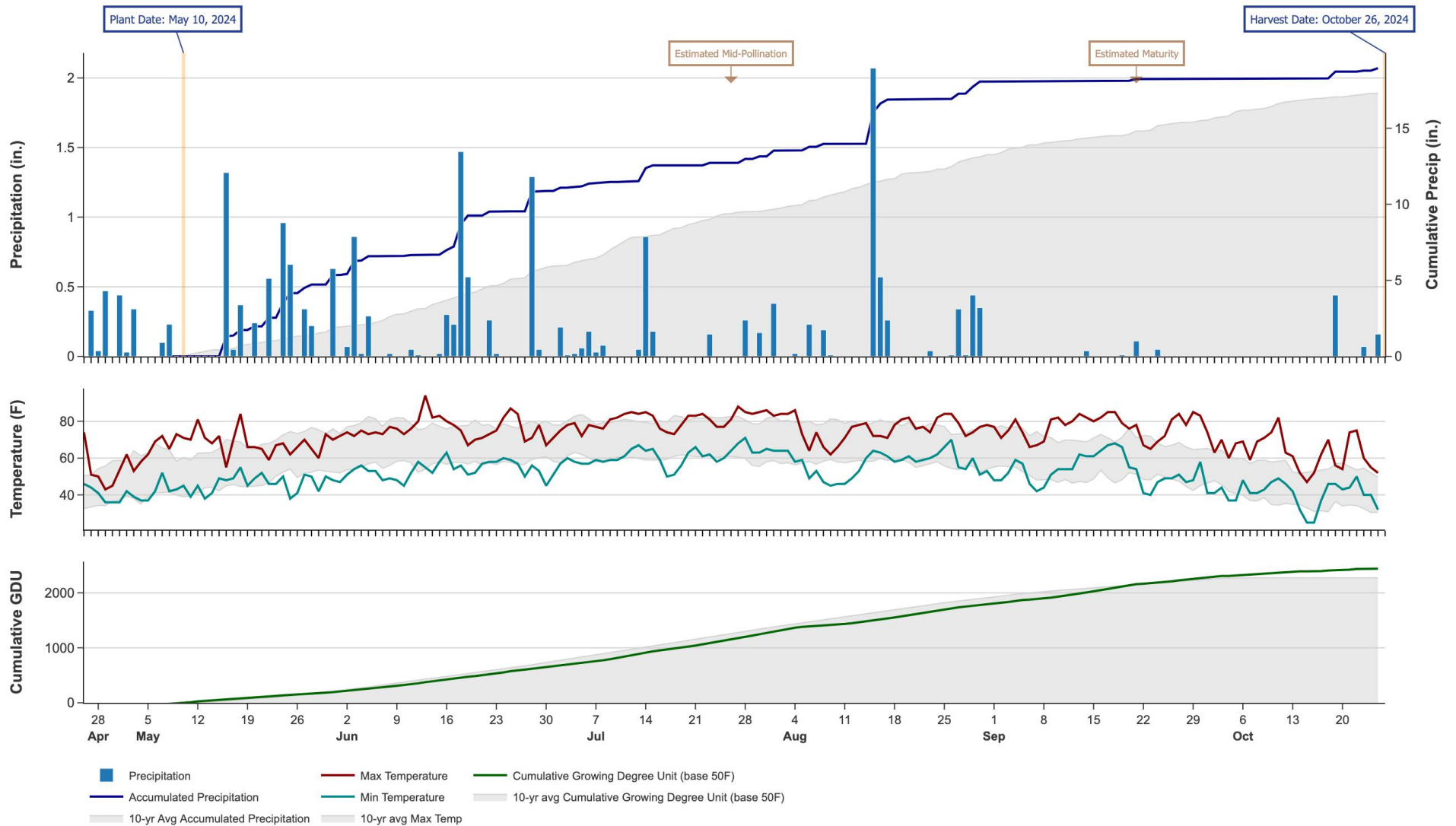
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Weather Conditions Summary at HAWLEY, MN

Weather Data Retrieved: 10/27/2024

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.8 0.5 (+0.4)	6.5 2.6 (+3.9)	5.5 4.0 (+1.6)	2.3 3.7 (-1.5)	4.9 3.7 (+1.2)	0.2 2.2 (-2.0)	0.7 1.8 (-1.1)	20.9 18.5 (+2.4)
GDU Avg (Diff)	12 0 (+12)	250 243 (+6)	449 526 (-77)	630 627 (+2)	524 548 (-24)	482 331 (+150)	160 32 (+127)	2507 2309 (+197)



* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

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All-Season Test Products (35 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A2037	V	N	87	CM,C2
Augusta	A2140-AA	AA	N	90	CM,C2
Channel	193-91VT2PRIB GC	VT2P	Y	93	AC,P5V,EDC-B
Dairyland	DS-2620AM	AM	Y	86	Lum, L1
Dairyland	DS-2847PCE	PCE	Y	88	Lum, L1
Dairyland	DS-3159AM	AM	Y	91	Lum
Enestvedt	E612RR	RR2	N	92	CM,C2,Vi
Golden Harvest	G85B04-AA	AA	Y	85	CM,C5,Vi,Va
Golden Harvest	G87U44-V	V	Y	87	CM,C1,Vi,Va
Golden Harvest	G91V51-DV	DV	Y	91	AVC,C5,Vi,Va
Golden Harvest	G92A51-AA	AA	Y	92	CM,C5,Vi,Va
NK Brand	NK8558-AA	AA	Y	85	CM,C5,Vi,Va
NK Brand	NK8711-V	V	Y	87	CM,C1,Vi,Va
NK Brand	NK9021-D	D	Y	90	CM,C5,Vi,Va
NK Brand	NK9231-AA	AA	Y	92	CM,C5,Vi,Va
Pioneer	P9193AM GC	AM	Y	91	Lum
Pioneer	P9211AM GC	AM	Y	92	Lum
Proseed	2392 VT2PRIB GC	VT2P	Y	92	NA
Proseed	2488 VT2PRIB GC	VT2P	Y*	88	NA
Renk	RK258PCE	PCE	N	85	Lum
Renk	RK261VT2P	VT2P	Y	86	AC,P2
Renk	RK296AA	AA	Y	89	CM,C2
Renk	RK297VT2P	VT2P	Y*	89	AC,P2
Renk	RK304VT2P	VT2P	N	90	AC,P5V,EDC-EL
Renk	RK405SSTX	STX	N	91	AC,P5V,EDC-EL
Thunder	T6185 VT2P	VT2P	Y	85	AC,P2
Thunder	T6389 VT2P	VT2P	Y	89	AC,P2
Thunder	T6485 PC	PCE	Y	85	AC,P2
Thunder	T6490 VT2P	VT2P	Y	90	AC,P2
Thunder	T6587 PC	PCE	Y	87	F,I
Thunder	T6588 AV	V	Y	88	F,I
Thunder	T6591 PC	PCE	Y	91	F,I
Thunder	T6592 VT2P	VT2P	Y	92	F,I
Thunder	T6983 VT2P	VT2P	Y	83	F,I
Thunder	T6987 VT2P	VT2P	Y	87	F,I

* 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

CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. Power Plus® brand seed is distributed by Burrus. Power Plus® is a registered trademark of Corteva Agriscience.

Corn Technologies

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
PCE	PowerCore® Enlist®
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
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 Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
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
AVC,C5,Vi,Va	Avicta Complete 500, Vibrance, Vayantis
CM,C1,Vi,Va	CruiserMaxx® 1250 with Vibrance, Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C5,Vi,Va	CruiserMaxx® 500 with Vibrance, Vayantis®
F,I	Fungicide, Insecticide
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	LumiGEN, Lumisure 1250

* Seed treatments may include unspecified plant health promoting components.