A793-24 (February 2025)

North Dakota Corn Hybrid

Variety Trial Results for 2024 and Selection Guide

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This publication reports the results of corn hybrid trials that were conducted by NDSU research and Extension personnel throughout North Dakota. The hybrids tested were entered voluntarily by the companies that market them, and the management of these trials was financed partially by the entry fees those companies paid. Websites for the participating companies are provided in Table 1. Additional information and data for a given location may be available through the annual report of each Research Extension Center. When selecting a hybrid, look at its performance at multiple locations and/or across years when possible.

Corn Production and Weather in 2024

In 2024, 3.95 million acres of corn were planted in North Dakota, down slightly from 4.05 million acres in 2023. The average yield for the state was estimated at 149 bushels per acre, up slightly from 143 bushels per acre in 2023. The 2024 growing season was cooler than recent years, and corn Growing Degree Day accumulation lagged behind the 30-year average until mid-September. Most portions of the state experienced a wetter-than-average May, which, while beneficial to early planted small grains, generally delayed corn planting. Later corn planting coupled with slow GDD accumulation led to a highly variable corn crop in late July. Fields that were planted before the wet weather were about on track and silking, whereas later-planted fields were not even tasseling. By early August, it was uncertain if much of the corn was going to make it to black layer before frost. However, late September through October was much warmer than average and the long fall allowed almost all the corn in the state to make it to maturity. The warm October dried down corn quicker than usual and some producers observed brittle stalks and cobs as they began harvest.

Experimental Procedures

Hybrids were planted in replicated plots in each location. Plot size, number of replications and experimental design varied by location. Information regarding planting and harvesting dates and other management practices is available from the researchers conducting the trials at each location. Grain yield was adjusted to 15.5% moisture.

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Fargo, North Dakota

Data Analysis

Data were analyzed using analysis of variance (ANOVA). Least significant difference (LSD) at the 10% level was calculated from these analyses and is placed at the bottom of each column of data. LSD values apply only to the numbers in the column in which they appear. If the difference (for instance, for yield) between two varieties exceeds the LSD value, it means that with 90% confidence, the higher-yielding variety has a significant yield advantage. Conversely, when the difference between the means of two varieties is less than the LSD value, this indicates these varieties have no statistical difference between them. The coefficient of variation (CV), which also is placed at the bottom of each column, is a measure of the variability for that trait within the trial.

Hybrids are presented in order of highest to lowest yield in each table for corn grain. Carefully consider grain moisture at harvest in addition to yield. Comparing the yield of hybrids with similar moisture levels allows you to compare the yield of hybrids with similar relative maturities (RMs). The RMs listed in the tables have been provided by the company marketing these hybrids. In some cases, the industry-provided estimate of RM might not correspond precisely to the moisture levels obtained in trials reported in this publication.

List of Tables

Table 1. Companies Participating in 2024 NDSU Corn Hybrid Trials.

Company	Abbreviated	Website
Blue River Organic Seed	Blue River	www.alseed.com/blueriver
Champion Seed	Champion	www.plantchampion.com
Channel	Channel	https://www.cropscience.bayer.us/brands/channel
Croplan	Croplan	www.croplan.com
Dahlman Seed	Dahlman	www.dahlmanseed.com
Dairyland Seed	Dairyland	www.dairylandseed.com
Gateway Seed	Gateway	www.gatewayseed.com
Dyna-Gro Seed	Dyna-Gro	www.dynagroseed.com
Golden Harvest	Golden H.	www.goldenharvestseeds.com
Integra Fortified Seed	Integra	www.integraseed.com
Innvictis Seed Solutions	Innvictis	www.innvictisseed.com
Latham	Latham	www.lathamseeds.com
Legacy Seeds	Legacy	www.legacyseeds.com
Peterson Farms Seed	Peterson	https://www.petersonfarmsseed.com/
Proseed	Proseed	www.proseed.net
Renegade Seed	Renegade	www.mkap.com/seed/renegade
Renk Seed	Renk	www.renkseed.com
Thunder Seed	Thunder	www.thunderseeds.com
Viking	Viking	www.alseed.com

Table 2. 2024 Corn - Average of Southern Locations (Richland and Sargent Counties), Early Maturing Hybrids (≤94).
Authors, C. Keene and D. Eisinger.

					Grain Yield				
Company/Brand	Hybrid	RM[1]	Grain Moisture[2]	Test Weight[2]	Richland Abercrombie	Richland Wyndmere	Sargent Stirum	Average[3]	2-yr. Avg.
			(%)	(lb/bu)	(bu/a)				
Channel	193-42VT4	93	19.5	56.1	235	245	255	250	--
Channel	192-19VT2	92	17.0	58.0	249	212	240	222	--
Legacy Seeds	LC414-21	91	16.5	59.1	200	214	227	214	214
DAHLMAN SEED	R47-258 VT2P	94	18.2	56.3	210	228	203	213	--
Integra Seed	4311VT2	93	17.6	57.9	205	217	227	212	211
Legacy Seeds	LC404-24	90	16.0	57.2	202	208	213	210	--
Integra Seed	4105VT2	91	16.9	58.7	206	194	218	203	--
Integra Seed	4119VT2	91	16.9	57.4	208	209	230	199	205
Proseed	2594 VT2P	94	18.7	56.6	191	217	193	198	--
Mean			18.6	57.2	205	216	235	219	
CV (%)			14.0	2.5	18	12	10	14	
LSD 0.1			1.4	0.8	43	22.8	13	19	

Planted: Abercrombie May 6, Wyndmere April 25, Stirum April 25.

Harvested: Abercrombie Oct 16, Wyndmere Oct 7, Stirum Oct 7.

[1]Relative maturity as given by industry.

[2]Grain moisture and test weight are an average of Richland and Sargent county data.

[3]Combined yield means are calculated using statistical means that are adjusted based on location variability and may not reflect the numerical average.

Table 3. 2024 Corn - Average of Southern Locations (Richland and Sargent Counties), Late Maturing Hybrids (≥95).
Authors, C. Keene and D. Eisinger.

					Grain Yield				
Company/Brand	Hybrid	RM[1]	Grain Moisture[2]	Test Weight[2]	Richland Abercrombie	Richland Wyndmere	Sargent Stirum	Average[3]	2-yr. Avg.
			(%)	(lb/bu)	----------(bu/a)----------				
Legacy Seeds	LC474-23	97	19.4	56.7	195	196	216	206	213
Legacy Seeds	LC465-23	96	19.4	56.8	196	187	231	208	207
DAHLMAN SEED	R48-239 VT2P	95	19.0	56.8	208	208	237	213	215
Proseed	2598 VT4	98	21.5	56.4	160	220	233	220	--
Integra Seed	4601VT2	96	20.4	57.1	205	225	244	224	--
Legacy Seeds	LC461-21	95	19.3	58.9	197	218	255	227	222
Proseed	2398 TRE	98	20.5	56.4	189	213	275	228	216
Channel	195-15VT2	95	18.0	56.5	216	221	252	230	--
Channel	201-40VT4	101	20.9	56.8	212	265	278	259	--
Mean			18.6	57.2	205	216	235	219	
CV (%)			14.0	2.5	18	12	10	15	
LSD 0.1			1.4	0.8	43	23	13	19	

Planted: Abercrombie May 6, Wyndmere April 25, Stirum April 25.

Harvested: Abercrombie Oct 16, Wyndmere Oct 7, Stirum Oct 7.

[1]Relative maturity as given by industry.

[2]Grain moisture and test weight are an average of Richland and Sargent county data.

[3]Combined yield means are calculated using statistical means that are adjusted based on location variability and may not reflect the numerical average.

Table 4. 2024 Corn - Average of Central Locations (Cass and Steele Counties), Early Maturing Hybrids (≤88). Authors, C. Keene and D. Eisinger.

Company/Brand	Hybrid	RM[1]	Grain Moisture[2]	Test Weight[2]	Grain Yield			
					Cass Prosper	Steele Hope	Avg.[3]	2-yr. Avg.
			(%)	(lb/bu)	(bu/a)			
Legacy Seeds	LC381-23	88	20.0	57.6	263	231	247	--
Channel	187-20	87	19.3	57.4	256	225	240	--
Integra Seed	3884VT2	88	19.5	57.4	252	218	236	233
Channel	188-67	88	19.3	58.3	255	214	234	--
Proseed	2488 VT2P	88	18.9	58.1	261	203	231	230
Legacy Seeds	LC-2817	86	18.7	58.4	244	216	231	226
Dyna-Gro	D26VC64RIB	86	17.5	57.6	247	210	229	227
Integra Seed	3431VT2	84	17.3	59.0	234	215	225	223
Legacy Seeds	LC373-24	87	21.9	57.3	258	191	223	--
Channel	186-56	86	18.8	58.6	243	207	223	--
Legacy Seeds	LC363-23	86	18.9	57.5	232	214	222	226
Legacy Seeds	LC351-24	85	16.6	58.3	235	203	220	--
Legacy Seeds	LC354-23	85	18.8	57.4	224	206	215	216
Mean			20.2	57.6	255.8	218	237	
CV (%)			15.8	3.8	9	13	12	
LSD 0.1			2.2	0.7	12	25	23	

See footnotes below table 5.

Table 5. 2024 Corn - Average of Central Locations (Cass and Steele Counties), Late Maturing Hybrids (≥89). Authors, C. Keene and D. Eisinger.

Company/Brand	Hybrid	RM[1]	Grain Moisture[2]	Test Weight[2]	Grain Yield			
					Cass Prosper	Steele Hope	Avg.[3]	2-yr. Avg.
			(%)	(lb/bu)	(bu/a)			
Channel	193-42	93	24.8	55.1	288	243	264	--
Legacy Seeds	LC461-21	95	22.2	58.3	276	243	260	256
Channel	192-81	92	20.3	57.6	276	228	251	--
Legacy Seeds	LC414-21	91	20.7	58.8	258	239	248	240
Legacy Seeds	LC404-24	90	20.5	57.1	265	227	248	--
Integra Seed	4119VT2	91	20.6	57.2	258	233	246	243
Dyna-Gro	D29VC85RIB	89	20.4	56.8	253	228	241	--
Integra Seed	4105VT2	91	21.4	58.9	260	220	241	--
Channel	195-29	95	22.0	56.4	274	205	240	--
Integra Seed	4311VT2	93	25.6	57.3	259	222	240	--
Proseed	2392 VT2P	92	22.1	58.7	252	220	236	236
Legacy Seeds	LC394-24	89	20.1	56.3	274	198	236	--
Check 1 Peterson	72A91	91	20.8	56.6	257	208	233	--
Proseed	2390 VT2P	90	19.2	57.1	254	206	230	228
Mean			20.2	57.6	256	218	237	
CV (%)			15.8	3.8	9	13	12	
LSD 0.1			2.2	0.7	12	25	23	

Planted: Prosper May 10 and Hope May 13.

Harvested: Prosper Oct. 8 and Hope Oct. 17.

[1]Relative maturity as given by industry.

[2]Grain moisture and test weight are an average of Cass and Steele county data.

[3]Combined yield means are calculated using statistical means that are adjusted based on location variability and may not reflect the numerical average.

Table 6. 2024 Corn - Central Zone, Conventional and GMO Early Maturing Hybrids (≤88), Prosper (Cass County). Authors, C. Keene and D. Eisinger.

Company/Brand	Hybrid[1]	RM	Grain Moisture	Test Weight	Grain Yield Prosper
			(%)	(lb/bu)	(bu/a)
Legacy Seeds	LC381-23	88	18.3	56.9	263
Proseed	2488 VT2P	88	16.3	58.0	261
Legacy Seeds	LC373-24	87	20.5	57.5	258
Channel	187-20	87	18.0	57.3	256
Channel	188-67	88	18.0	58.7	255
Integra Seed	3884VT2	88	17.7	57.1	252
Dyna-Gro	D26VC64RIB	86	16.4	57.3	247
Legacy Seeds	LC-2817	86	16.9	58.5	244
Channel	186-56	86	16.9	58.5	243
Viking | Blue River	**72-85**	**85**	**15.8**	**55.4**	**242**
Legacy Seeds	LC351-24	85	16.2	57.6	235
Integra Seed	3431VT2	84	16.2	58.7	234
Legacy Seeds	LC363-23	86	17.0	57.3	232
Proseed	**2084**	**84**	**20.4**	**57.5**	**226**
Legacy Seeds	LC354-23	85	18.0	57.1	224
Mean			19.0	57.3	251
CV (%)			1.3	0.8	12
LSD 0.1			4.0	2.1	9

Planted: May 10. Harvested: Oct. 8.

[1]Conventional hybrids are indicated in bold.

Table 7. 2024 Corn - Central Zone, Conventional and GMO Late Maturing Hybrids (≥89), Prosper (Cass County). Authors, C. Keene and D. Eisinger.

Company/Brand	Hybrid[1]	RM	Grain Moisture	Test Weight	Grain Yield	
					Prosper	2-yr. Avg.
			(%)	(lb/bu)	----------(bu/a)----------	
Channel	193-42	93	24.3	55.0	288	--
Channel	192-81	92	18.0	58.0	276	--
Legacy Seeds	LC461-21	95	19.8	58.7	276	280
Channel	195-29	95	21.4	56.2	274	--
Legacy Seeds	LC394-24	89	17.8	56.1	274	--
Renegade Seed	**R1-2197**	**97**	**22.2**	**55.7**	**268**	**271**
Legacy Seeds	LC404-24	90	18.5	57.2	265	--
Renegade Seed	**R1-2194**	**94**	**22.1**	**56.1**	**261**	**263**
Integra Seed	4105VT2	91	19.2	58.9	260	--
Integra Seed	4311VT2	93	20.9	57.6	259	--
Legacy Seeds	LC414-21	91	19.1	58.8	258	262
Integra Seed	4119VT2	91	19.6	57.0	258	261
Check 1 Peterson	72A91	91	18.6	56.6	257	--
Proseed	2390 VT2P	90	17.8	56.8	254	254
Dyna-Gro	D29VC85RIB	89	19.9	55.8	253	--
Proseed	2392 VT2P	92	19.5	58.9	252	**245**
Viking | Blue River	**52-89**	**89**	**18.4**	**57.1**	**249**	**--**
Renegade Seed	**R1-1592**	**92**	**20.2**	**57.3**	**245**	248
Viking | Blue River	**62-93**	**93**	**22.7**	**56.2**	**240**	247
Mean			19.0	57.3	251	
CV (%)			4.0	2.1	9	
LSD 0.1			1.3	0.8	12	

Planted: May 10. Harvested: Oct. 8.

[1]Conventional hybrids are indicated in bold.

Table 8. 2024 Corn - Average of Northern Locations (Grand Forks, Ramsey, and Marshall Counties), Early Maturing Hybrids (≤83). Authors, C. Keene and D. Eisinger.

					Grain Yield					
					Grand Forks		Ramsey	Marshall		
Company/Brand	Hybrid	RM[1]	Grain Moisture[2]	Test Weight[2]	Thompson	Honeyford	Doyon	Oslo	Average[3]	2-yr. Avg.
			(%)	(lb/bu)	----------(bu/a)----------					
Channel	180-24	80	18.0	57.7	221	183	177	242	206	--
Channel	183-13	83	20.4	56.3	232	172	179	235	204	--
Integra Seed	3114VT2	81	16.9	57.5	210	174	175	226	197	171
Legacy Seeds	LC261-24	76	20.3	56.4	208	161	173	240	196	--
Legacy Seeds	LC311-20	81	20.7	56.3	218	163	171	228	195	163
Check 1 REA	83B33	83	19.1	57.6	220	173	168	218	195	--
Channel	180-33	80	18.8	57.4	216	157	174	230	194	--
Proseed	2478 PCE	78	20.0	56.1	213	166	163	229	193	--
Mean			19.6	56.9	233	176	178	234	205	
CV (%)			23.0	3.0	8	12	9	6	16	
LSD 0.1			1.9	0.9	15	20	17	12	10	

Planted: Thompson May 6; Honeyford, Doyon, and Oslo May 13.

Harvested: Thompson and Doyon Oct 17; Honeyford Oct 23; and Oslo Oct 21.

[1]Relative maturity as given by industry.

[2]Grain moisture and test weight are an average of Grand Forks, Ramsey, and Marshall County data.

[3]Combined yield means are calculated using statistical means that are adjusted based on location variability and may not reflect the numerical average.

Table 9. 2024 Corn - Average of Northern Locations (Grand Forks, Ramsey, and Marshall Counties), Late Maturing Hybrids (≥84). Authors, C. Keene and D. Eisinger.

					Grain Yield					
			Grain	Test	Grand Forks		Ramsey	Marshall		
Company/Brand	Hybrid	RM[1]	Moisture[2]	Weight[2]	Thompson	Honeyford	Doyon	Oslo	Average[3]	2-yr. Avg.
			(%)	(lb/bu)	----------(bu/a)----------					
Channel	188-67	88	21.4	56.6	260	202	184	247	223	--
Channel	187-20	87	20.4	56.3	260	184	186	253	221	--
Proseed	2486 AA	86	19.5	56.9	249	188	191	247	219	176
Legacy Seeds	LC351-24	85	19.1	57.2	230	196	183	244	213	--
Legacy Seeds	LC373-24	87	20.3	56.8	245	184	188	236	213	--
Proseed	1984 VT2P	84	17.8	58.4	237	181	189	231	210	--
Check 2 Channel	186-26	86	20.0	56.8	--	181	187	235	210	--
Channel	186-56	86	20.4	57.4	241	173	185	235	209	--
Legacy Seeds	LC363-23	86	23.3	56.1	248	178	169	226	205	175
Legacy Seeds	LC354-23	85	19.1	56.1	220	179	178	235	203	172
Integra Seed	3431VT2	84	18.6	57.1	242	165	176	221	201	173
Legacy Seeds	LC-2817	86	17.1	56.4	244	155	175	209	195	173
Mean			19.6	56.9	232	176	178	234	205	
CV (%)			23.0	3.0	8	12	9	6	16	
LSD 0.1			1.9	0.9	14	20	17	12	10	

Planted: Thompson May 6; Honeyford, Doyon, and Oslo May 13.

Harvested: Thompson and Doyon Oct 17; Honeyford Oct 23; and Oslo Oct 21.

[1]Relative maturity as given by industry.

[2]Grain moisture and test weight are an average of Grand Forks, Ramsey, and Marshall County data.

[3]Combined yield means are calculated using statistical means that are adjusted based on location variability and may not reflect the numerical average.

Table 10. 2024 Corn - Northern zone, Conventional and GMO Early Maturing Hybrids (≤83) Grand Forks County.
Authors, C. Keene and D. Eisinger.

					Grain Yield	
			Grain	Test	Grand Forks	
Company/Brand	Hybrid	RM[1]	Moisture	Weight	Thompson	2-yr. Avg.
			(%)	(lb/bu)	----------(bu/a)----------	
Viking | Blue River	**24-82**	**82**	**15.2**	**57.4**	**234**	216
Channel	183-13	83	15.0	58.0	232	--
Channel	180-24	80	13.9	58.7	221	--
Check 1 REA	83B33	83	14.7	59.1	220	210
Legacy Seeds	LC311-20	81	15.0	57.7	218	205
Channel	180-33	80	14.2	59.3	216	--
Proseed	2478 PCE	78	14.3	57.2	213	--
Integra Seed	3114VT2	81	14.1	59.0	210	203
Legacy Seeds	LC261-24	76	13.9	58.8	208	--
Mean			14.9	58.3	232.5	
CV (%)			5.3	1.9	8	
LSD 0.1			0.5	0.9	14	

See footnotes below table 11.

Table 11. 2024 Corn - Northern zone, Conventional and GMO Late Maturing Hybrids (≥84) Grand Forks County.
Authors, C. Keene and D. Eisinger.

					Grain Yield	
			Grain	Test	Grand Forks	
Company/Brand	Hybrid	RM[1]	Moisture	Weight	Thompson	2-yr. Avg.
			(%)	(lb/bu)	----------(bu/a)----------	
Channel	188-67	88	15.2	58.8	260	--
Channel	187-20	87	15.5	58.2	260	--
Proseed	2486 AA	86	15.9	57.1	249	230
Legacy Seeds	LC363-23	86	15.6	57.6	248	229
Legacy Seeds	LC373-24	87	16.8	57.7	245	--
Legacy Seeds	LC-2817	86	15.1	58.5	244	225
Integra Seed	3431VT2	84	14.5	59.3	242	223
Channel	186-56	86	15.1	60.0	241	--
Proseed	1984 VT2P	84	14.4	59.7	237	--
Legacy Seeds	LC351-24	85	14.5	57.5	230	--
Legacy Seeds	LC354-23	85	15.2	57.0	220	214
Mean			14.9	58.3	232	
CV (%)			5.3	1.9	8	
LSD 0.1			0.5	0.9	14	

Planted: Thompson May 6; Honeyford, Doyon, and Oslo May 13.

Harvested: Thompson and Doyon Oct 17; Honeyford Oct 23; and Oslo Oct 21.

[1]Relative maturity as given by industry.

Conventional hybrids are indicated in bold.

Table 12. 2024 Corn - Dryland - Carrington - Authors, M. Ostlie, K. Simons and V. Nava.

Company/Brand	Hybrid	RM[1]	Grain Moisture	Test Weight	Grain Yield	
					2024	2-yr. Avg.
			(%)	(lb/bu)	---------(bu/a)----------	
Champion Seed	40A25 VT2P	90	18.6	59.4	257	--
Thunder Seed	T6389 VT2P	89	16.3	58.5	244	223
Legacy Seeds	LC414-21	91	17.3	59.1	242	230
Gateway Seed	4789 VT2P	89	19.6	58.8	242	--
Legacy Seeds	LC394-24	89	18.2	58.8	241	
Channel	188-67VT2	88	18.0	59.3	241	--
Thunder Seed	T6588 AV	88	18.2	56.4	241	--
Legacy Seeds	LC381-23	88	17.7	58.8	236	
Legacy Seeds	LC373-24	87	18.9	59.9	236	--
Channel	187-20VT2	87	17.4	58.8	234	--
Champion Seed	38A25 VT2P	88	17.7	58.6	231	--
Champion Seed	39A25 PWC	89	18.3	58.6	229	--
Dyna-Gro	D26VC64RIB	86	14.9	57.8	227	209
Thunder Seed	T6587 PC	87	17.0	55.9	226	--
Gateway Seed	4394SS	94	22.7	59.3	225	--
Integra Seed	3884 VT2P RIB	88	16.4	59.0	225	206
Thunder Seed	T6485 PC	85	15.1	57.3	224	202
Legacy Seeds	LC354-23	85	15.7	56.4	219	206
Channel	186-56VT2	86	16.2	60.1	219	--
Dyna-Gro	D29VC85RIB	89	16.1	58.0	218	--
Golden Harvest	G85B04-AA	85	16.4	58.1	216	213
Proseed	1984 VT2P	84	15.1	59.4	214	194
Champion Seed	37A24 AA	87	16.2	58.7	214	215
Golden Harvest	G87U44-V	87	19.8	58.8	211	--
Integra Seed	3431 VT2P RIB	84	15.3	59.7	210	196
Channel	183-13VT2	83	16.2	59.0	207	--
Champion Seed	35A24 VT2P	85	15.6	60.0	204	192
Proseed	2486 AA	86	16.2	58.4	203	207
Golden Harvest	G85Z56-V	85	18.4	59.3	203	--
Golden Harvest	G82B12-AA	82	15.7	59.2	202	202
Integra Seed	3114 VT2P RIB	81	13.9	60.0	199	--
Legacy Seeds	LC351-24	85	15.5	59.5	194	--
Legacy Seeds	LC363-23	86	17.3	58.3	191	203
Mean			17.0	58.7	222	
CV %			6.1	1.9	4	
LSD 0.10			1.2	1.3	7	

Planted: May 21. Harvested: Oct. 25. Previous crop: field pea/ soybean.

[1]Relative maturity as given by industry.

Table 13. 2024 Corn - Irrigated - Carrington - Authors, M. Ostlie, K. Simons and V. Nava.

Company/Brand	Hybrid	RM[1]	Grain Moisture	Test Weight	Grain Yield	
					2024	2-yr. Avg.
			(%)	(lb/bu)	---------(bu/a)---------	
RENK	RK296AA	89	17.2	57.9	259	290
Legacy Seeds	LC414-21	91	16.8	60.5	253	268
RENK	RK300RR	90	16.5	59.2	248	264
Dyna-Gro	D29VC85RIB	89	16.9	58.7	246	--
RENK	RK297VT2P	89	14.8	58.1	245	262
Gateway Seed	4789 VT2P	89	17.7	58.4	243	--
Gateway Seed	4394SS	94	19.2	58.4	234	--
Integra Seed	3884 VT2P RIB	88	15.0	58.4	227	240
Legacy Seeds	LC381-23	88	15.7	58.2	226	--
Dyna-Gro	D26VC64RIB	86	13.6	57.8	226	235
Golden Harvest	G87U44-V	87	15.9	58.7	225	--
Legacy Seeds	LC373-24	87	16.2	58.8	225	--
Legacy Seeds	LC394-24	89	15.3	58.5	220	--
Legacy Seeds	LC354-23	85	13.2	56.5	220	232
Legacy Seeds	LC351-24	85	14.1	59.0	211	--
Golden Harvest	G85B04-AA	85	14.1	58.0	207	--
RENK	RK261VT2P	86	15.3	58.1	204	209
Legacy Seeds	LC363-23	86	14.1	58.2	196	239
Integra Seed	3114 VT2P RIB	81	12.6	59.0	188	--
Mean			15.5	58.4	227	
CV %			5.9	0.9	8	
LSD 0.10			1.1	0.6	22	

Planted: May 21. Harvested: Oct. 24. Previous crop: flax

[1]Relative maturity as given by industry.

Table 14. 2024 Corn - Fingal, Barnes County (Carrington REC) - Authors, M. Ostlie, K. Simons and V. Nava.

Company/Brand	Hybrid	RM[1]	Grain Moisture	Test Weight	Grain Yield	
					2024	2-yr. Avg.
			(%)	(lb/bu)	---------(bu/a)----------	
Proseed	2392 VT2P	92	15.1	60.4	253	241
Legacy Seeds	LC381-23	88	13.9	58.7	250	--
Legacy Seeds	LC404-24	90	14.5	58.6	248	--
Thunder Seed	T6389 VT2P	89	13.3	57.9	240	--
RENK	RK304VT2P	90	14.8	59.4	239	--
Thunder Seed	T6592 VT2P	92	15.0	58.5	239	--
Proseed	2594 VT2P	94	15.6	58.5	239	--
Thunder Seed	T6591 PC	91	14.3	58.2	239	--
RENK	RK456VT2P	93	16.3	57.3	237	--
Legacy Seeds	LC394-24	89	15.0	58.9	233	--
RENK	RK561DGVT2P	95	16.0	59.2	232	230
Legacy Seeds	LC414-21	91	14.7	60.2	230	225
Thunder Seed	T6294 VT2P	94	15.6	60.6	229	234
RENK	RK519VT4P	95	15.9	59.1	227	--
Legacy Seeds	LC461-21	95	15.8	59.8	223	222
Mean			15.1	59.0	237	
CV %			3.7	1.0	3	
LSD 0.10			0.7	0.7	6	

Planted: May 22. Harvested: Oct. 23. Previous crop: soybean.

[1]Relative maturity as given by industry.

Table 15. 2024 Corn - Dryland- Oakes, Dickey County (Carrington REC) - Authors, H. Eslinger and S. Eslinger.

Company/Brand	Hybrid	RM[1]	Grain Moisture	Test Weight	Grain Yield	
					2024	2-yr. Avg.
			(%)	(lb/bu)	----------(bu/a)----------	
Thunder Seed	T6294 VT2P	94	16.0	59.2	284	226
Proseed	2398 TRE	98	16.6	56.6	283	259
RENK	RK519VT4P	95	14.9	58.0	280	--
Golden Harvest	G97B68-DV	97	17.0	57.4	278	219
Thunder Seed	T6396 VT2P	95	15.3	57.6	274	244
Legacy Seeds	LC474-23	97	15.7	57.4	272	258
Proseed	2598 VT4	98	16.8	56.9	271	--
RENK	RK561DGVT2P	95	16.1	57.2	271	233
Thunder Seed	T6498 PC	98	16.3	57.2	270	256
Dyna-Gro	D37PN35RA	97	16.0	56.6	269	--
Golden Harvest	G98U62-DV	98	16.4	57.9	269	--
Thunder Seed	T6695 VT2P	95	15.3	57.1	268	--
Golden Harvest	G94U63-V	94	16.7	58.9	268	--
Legacy Seeds	LC465-23	96	16.2	57.4	268	236
Dyna-Gro	D34VC93RIB	94	15.8	57.4	267	212
Legacy Seeds	LC461-21	95	15.7	59.2	263	244
Proseed	2594 VT2P	94	15.6	56.9	263	--
Golden Harvest	G98B99-AA	98	17.6	58.1	259	--
RENK	RK456VT2P	93	15.9	56.2	255	--
RENK	RK304VT2P	90	15.1	57.6	251	--
Channel	192-81VT2	92	14.9	58.3	247	--
Channel	189-64VT2	89	14.7	57.2	233	--
Mean			15.9	57.6	266.5	
CV %			3.2	0.7	8.0	
LSD 0.10			0.6	0.5	25.1	

Planted: May 13. Harvested: Oct. 21. Previous crop: soybean.

[1]Relative maturity as given by industry.

Table 16. 2024 Corn - Irrigated - Oakes, Dickey County (Carrington REC) - Authors, H. Eslinger and S. Eslinger.

Company/Brand	Hybrid	RM[1]	Grain Moisture	Test Weight	Grain Yield	
					2024	2-yr. Avg.
			(%)	(lb/bu)	----------(bu/a)----------	
RENK	RK519VT4P	95	12.9	58.1	316	--
Dyna-Gro	D37PN35RA	87	13.8	56.9	309	--
RENK	RK456VT2P	93	13.2	56.8	302	--
Legacy Seeds	LC461-21	95	13.2	59.7	296	303
Legacy Seeds	LC474-23	97	13.9	56.8	290	308
RENK	RK571PCE	96	14.0	56.5	288	--
RENK	RK561DGVT2P	95	13.8	58.1	279	283
Legacy Seeds	LC465-23	96	14.0	56.6	278	296
Dyna-Gro	D34VC93RIB	94	13.0	58.0	274	280
RENK	RK304VT2P	90	12.8	58.1	271	--
Mean			13.5	57.5	290	
CV %			2.3	0.6	5	
LSD 0.10			0.4	0.4	18	

Planted: May 5. Harvested: Oct. 17. Previous crop: soybean.

[1]Relative maturity as given by industry.

Table 17. 2024 Corn - Langdon - Authors, B. Hanson, L. Henry and R. Duerr.

Company/Brand	Hybrid	RM[1]	Grain Moisture	Test Weight	Grain Yield	
					2024	2-yr. Avg.
			(%)	(lb/bu)	----------(bu/a)----------	
Channel	180-24VT2P	80	27.0	54.1	217	182
Dyna-Gro	D20VC24RIB	80	28.0	53.7	208	--
Integra	3114VT2	81	25.0	55.2	207	174
Channel	180-33VT2P	80	27.0	53.4	199	--
Thunder	T6977 VT2P	77	24.0	56.2	195	166
Legacy	LC261-24	76	24.0	55.7	195	--
Dyna-Gro	D14VC45RIB	74	24.0	54.6	194	--
Thunder	T6278 VT2P	78	22.0	56.0	192	159
Innvictis	A7883VT2PRIB	78	24.0	56.3	192	162
Channel	174-14VT2P	74	23.0	58.9	191	--
Channel	169-09VT2P	69	21.0	59.0	187	--
Legacy	LC311-20	81	31.0	53.0	186	160
Integra	3009VT2	80	24.0	56.0	186	161
Thunder	T4477 GT	77	24.0	53.0	178	153
Thunder	T4072 RR	72	22.0	57.8	171	146
Proseed	1974 RR	74	22.0	58.3	171	153
Proseed	2478PCE	78	34.0	50.9	170	--
Channel	173-11VT2P	73	23.0	57.4	165	146
Trial Mean			24.3	55.8	187.8	
C.V. %			7.8	1.3	7.3	
LSD 10%			2.6	1.0	18.9	

Planted: May 13. Harvested: Oct. 14. Previous crop: barley.

[1]Relative maturity as given by industry.

Table 18. 2024 Corn - Minot (North Central REC) - Authors, L. Bortolon, J. Hansen and A. Kraklau.

Company/Brand	Hybrid	RM[1]	Grain Moisture	Test Weight	Grain Yield	
					2024	2-yr. Avg.
			(%)	(lb/bu)	----------(bu/a)----------	
Integra	3114 VT2P RIB	81	15.7	58.7	226	192
Channel	186-56VT2	86	16.3	58.7	205	--
Legend Seeds	9477 PCE RA	77	15.9	55.7	196	--
Thunder Seed	T6983 VT2P	83	16.0	58.1	195	172
Legend Seeds	2278 VT2P RIB	78	16.7	58.7	193	--
Integra	3884 VT2P RIB	88	18.4	56.0	192	--
Thunder Seed	T6181 VT2P	81	16.5	57.5	192	171
Channel	180-24VT2	80	15.9	57.7	191	--
Proseed	2478 PCE	78	15.5	56.5	189	--
Golden Harvest	G82B12-AA	82	17.4	57.0	188	170
Golden Harvest	G80Q01-V	80	16.4	59.3	182	165
Integra	3431 VT2P RIB	84	16.4	57.7	179	159
Proseed	1984 VT2P	84	18.2	56.1	177	157
Thunder Seed	T6485 PC	85	18.8	55.7	173	--
Integra	3009 VT2P RIB	80	16.0	58.1	168	139
Channel	187-20VT2	87	19.4	55.8	167	--
Golden Harvest	G87U44-V	87	21.2	55.0	166	--
Golden Harvest	G85B04-AA	85	16.3	56.2	158	--
Channel	188-67VT2	88	19.8	54.8	152	--
Channel	189-64VT2	89	20.7	53.7	150	--
Mean			17.3	56.9	180	
CV %			9.3	2.2	6	
LSD 0.10			2.1	1.7	15	

Planted: May 22. Harvested: Oct. 18. Previous Crop: wheat.

[1]Relative maturity as given by industry.

Table 19. 2024 Corn Silage Dryland - Carrington REC - Authors M. Ostlie, K. Simons and V. Nava.

					Yield		-------- 55 days after ensiling --------				
Company/Brand	Hybrid	RM[1]	Harvest Moisture	DM	2024	2-yr. Avg.	Crude Protein	ADF	aNDF	Starch	RFV
			%	%	---- ton / ac ----		---------- % DM ----------				
Croplan	3200	93	52.7	47.3	26.1	26.3	8.0	28.9	46.9	26.8	138.4
Croplan	4100	101	51.9	48.1	24.7	24.8	8.1	27.5	45.1	26.0	140.9
Croplan	4200	102	58.5	41.5	26.0	26.2	8.3	24.2	39.7	33.7	166.6
Golden Harvest	G01U74-AA	101	57.8	42.2	23.2	--	8.4	25.7	42.3	28.3	151.4
Golden Harvest	G03U08-D	103	51.9	48.1	25.8	--	8.1	24.7	40.5	30.7	161.4
Proseed	Lfy 101 RR	101	55.5	44.5	27.3	27.8	7.7	21.8	36.7	36.4	182.9
Integra Seed	STP4723	94	45.4	54.6	24.6	23.3	8.3	27.7	45.6	24.1	138.9
Integra Seed	STP5191	101	55.0	45.0	26.5	27.8	7.7	22.4	37.7	35.1	181.1
Integra Seed	STP5203	102	49.0	51.0	29.2	--	8.0	25.7	42.2	31.2	155.5
Proseed	STS 102	102	54.4	45.6	24.6	--	7.6	25.5	42.6	27.6	151.0
Proseed	STS 104	104	50.9	49.1	26.0	--	7.6	24.1	40.9	30.5	165.3
Proseed	STS 106	106	60.5	39.5	27.2	25.7	7.6	26.1	42.7	30.9	151.5
Mean			53.2	46.8	25.6		8.0	25.2	41.7	30.1	158.0
C.V. %			7.2	8.2	5.8		5.9	13.9	12.9	19.4	17.0
LSD (0.1)			5.3	5.3	1.7		0.7	4.9	7.5	8.1	37.5

Planting date: May 21. Harvest date: Oct. 17. Previous crop = field pea/ soybean.

Table 20. 2024 Corn Silage Irrigated - Carrington REC - Authors M. Ostlie, K. Simons and V. Nava.

					Yield		-------- 60 days after ensiling --------				
Company/Brand	Hybrid	RM[1]	Harvest Moisture	DM	2024	2-yr. Avg.	Crude Protein	ADF	aNDF	Starch	RFV
			%	%	---- ton / ac ----		---------- % DM ----------				
Integra Seed	STP5191	101	60.4	39.7	21.8	31.6	8.3	29.7	49.1	22.1	126.6
Integra Seed	STP5203	102	52.4	47.7	30.8	--	8.0	26.4	44.6	27.7	144.0
Croplan	3200	93	54.3	45.7	28.8	--	8.1	31.1	51.7	20.8	116.8
Croplan	4100	101	50.2	49.9	29.2	32.6	7.7	29.9	49.9	24.1	126.1
Croplan	4200	102	62.8	37.2	21.8	32.0	8.2	31.9	51.8	19.8	117.8
Mean			56.4	43.6	26.5		8.1	28.7	47.9	24.3	132.6
C.V. %			7.8	10.1	16.1		6.7	13.0	11.7	21.8	15.6
LSD (0.1)			6.5	6.5	6.3		0.8	5.5	8.3	7.8	30.6

Planting date: May 21. Harvest date: Oct. 9. Previous crop = flax.

Table 21. 2024 Corn Silage - Minot (North Central REC) - Authors L. Bortolon, J. Hansen and A. Kraklau.

Company/Brand	Hybrid	RM[1]	Harvest Moisture	Yield		Crude Protein	ADF	NDF	Starch
				2024	2-yr. Avg.				
			%	--'T/ac @ 65% moist--		---------- % ----------			
Golden Harvest	G95D32-V	95	63.5	29.4	--	7.8	30.0	50.0	25.0
Golden Harvest	G97B68-DV	97	68.1	27.8	--	6.5	29.0	39.0	28.0
Integra	STP4723	97	65.1	24.7	24.9	6.5	32.0	49.0	22.0
Integra	STP4550	95	68.1	27.9	25.9	8.3	28.0	56.0	24.0
Integra	STP5191	101	69.2	27.5	28.0	8.7	25.0	41.0	30.0
Proseed	LFY 101 RR	101	70.6	31.7	--	6.6	31.0	42.0	23.0
Proseed	STS 102 GT	102	72.0	26.0	--	7.3	30.0	46.0	23.0
Proseed	STS 104 GT	104	67.9	24.8	--	6.4	31.0	49.0	25.0
Proseed	STS 106 GT/CB/LL	106	73.3	23.9	--	8.1	36.0	49.0	12.0
Mean				26.7		7.3	30.0	48.0	24.0
C.V. %				11.1					
LSD (0.1)				4.2					

Planting date: May 22. Harvest date: Sept. 25. Previous crop = wheat.

Seeding rate: 30,000 seeds/ac. Row spacing: 30".