

A793-22

# North Dakota Corn Hybrid

## *Variety Trial Results for 2022 and Selection Guide*

Clair Keene and Darin Eisinger (NDSU Main Station); Mike Ostlie, Kristin Simons and Tim Indergaard (Carrington Research Extension Center); Bryan Hanson, Lawrence Henry and Richard Duerr (Langdon Research Extension Center); Eric Eriksmoen, Jayden Hansen and Austin Kraklau (North Central Research Extension Center, Minot); Heidi Eslinger, Spencer Eslinger and Kelly Cooper (Oakes Irrigation Research Site); Justin Jacobs, Tyler Tjelde and Andrina Turnquist (Nesson Valley Irrigation Site); John Rickertsen and Michael Wells (Hettinger Research Extension Center).

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 fee those companies paid. Links to the participating companies are summarized in Table 1. Additional information and data for a given location may be available at [www.ag.ndsu.edu/varietytrials/corn](http://www.ag.ndsu.edu/varietytrials/corn) and [www.ag.ndsu.edu/cornhybridtesting](http://www.ag.ndsu.edu/cornhybridtesting). When selecting a hybrid, look at its performance at multiple locations and/or across years if possible.

### **Corn Production and Weather in 2022**

In 2022, the area of corn planted in North Dakota was 2.95 million acres, down from the 4.1 million acres planted in 2021. The average yield for the state was estimated at 141 bushels per acre, up from 108 bushels per acre in 2021. Last year's yields were low due to widespread and severe drought.

Corn was planted much later than normal in most regions of the state due to late spring blizzards and heavy rains in April and May. Many corn acres were planted the first or second week of June in 2022. Growing degree days accumulated quickly with hot temperatures in June and July. Despite late planting, most corn made it to maturity as first frost did not occur until the end of September or early October. While most of the state experienced delayed planting due to wet spring conditions, the summer turned dry in the southeast, southcentral, and far western portions of the state. In these droughty areas, corn began showing signs of moisture stress weeks before maturity.

### **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 implementing the research. Grain yield was adjusted to 15.5% moisture.

## Data Analysis

Data were analyzed using analyses of variance (ANOVA). The least significant difference (LSD) at the 5% and 10% levels were calculated from these analyses and are placed at the bottom of each column of data. These 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 95% or 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 ranked in descending order for yield in each table. 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 (RM). 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 2022 NDSU Corn Hybrid Trials.
- Table 2. 2022 Corn - Average of Southern Locations (Ransom and Richland Counties), Early Maturing.
- Table 3. 2022 Corn - Average of Southern Locations (Ransom and Richland Counties), Late Maturing.
- Table 4. 2022 Corn - Average of Central Locations (Cass and Steele Counties), Early Maturing.
- Table 5. 2022 Corn - Average of Central Locations (Cass and Steele Counties), Late Maturing.
- Table 6. 2022 Corn - Central Zone, Conventional and GMO Early Maturing Hybrids ( $\leq 87$ ), Prosper (Cass County).
- Table 7. 2022 Corn - Central Zone, Conventional and GMO Late Maturing Hybrids ( $\geq 88$ ), Prosper (Cass County).
- Table 8. 2022 Corn - Average of Northern Locations (Grand Forks, Marshall and Ramsey Counties), Early Maturing.
- Table 9. 2022 Corn - Average of Northern Locations (Grand Forks, Marshall and Ramsey Counties), Late Maturing.
- Table 10. 2022 Corn - Dryland - Carrington.
- Table 11. 2022 Corn - Irrigated - Carrington.
- Table 12. 2022 Corn - Fingal (Carrington REC).
- Table 13. 2022 Corn - Oakes (Carrington REC).
- Table 14. 2022 Corn - Irrigated - Oakes (Carrington REC).
- Table 15. 2022 Corn - Langdon.
- Table 16. 2022 Corn - Irrigated - Nesson Valley (Williston REC).
- Table 17. 2022 Corn - Minot.
- Table 18. 2022 Corn - Hettinger.

**Table 1. Companies Participating in 2022 NDSU Corn Hybrid Trials.**

<b>Company</b>	<b>Abbreviated</b>	<b>Website</b>
Biogene Seeds	Biogene	<a href="http://www.biogeneseeds.com">www.biogeneseeds.com</a>
Champion	Champion	<a href="http://www.plantchampion.com">www.plantchampion.com</a>
Dahlman Seed	Dahlman	<a href="http://www.dahlmanseed.com">www.dahlmanseed.com</a>
Dairyland Seed	Dairyland	<a href="http://www.dairylandseed.com">www.dairylandseed.com</a>
DenBesten Seed	DenBesten	<a href="http://www.dakotasbestseedllc.com">www.dakotasbestseedllc.com</a>
DuPont Pioneer	Pioneer	<a href="http://www.pioneer.com">www.pioneer.com</a>
Dyna-Gro Seed	Dyna-Gro	<a href="http://www.dynagroseed.com">www.dynagroseed.com</a>
F2F Genetics Network	F2F	<a href="http://www.fbn.com/direct/seed">www.fbn.com/direct/seed</a>
Hefty Seed	Hefty	<a href="http://www.heftyseed.com">www.heftyseed.com</a>
Integra Fortified Seed	Integra	<a href="http://www.integraseed.com">www.integraseed.com</a>
Innvictis Seed Solutions	Innvictis	<a href="http://www.innvictisseed.com">www.innvictisseed.com</a>
Latham	Latham	<a href="http://www.lathamseeds.com">www.lathamseeds.com</a>
Legacy Seeds	Legacy	<a href="http://www.legacyseeds.com">www.legacyseeds.com</a>
Master Farmer	Master Farmer	<a href="http://www.fbn.com/direct/seed">www.fbn.com/direct/seed</a>
Proseed	Proseed	<a href="http://www.proseed.net">www.proseed.net</a>
REA Hybrids	REA	<a href="http://www.rea-hybrids.com">www.rea-hybrids.com</a>
Renegade Seed	Renegade	<a href="http://www.mkap.com/seed/renegade">www.mkap.com/seed/renegade</a>
Renk Seed	Renk	<a href="http://www.renkseed.com">www.renkseed.com</a>
Stine Seed	Stine	<a href="http://www.stinseed.com">www.stinseed.com</a>
Syngenta NK Brand	Syng NK	<a href="http://www.syngenta-us.com/corn/nk">www.syngenta-us.com/corn/nk</a>
Thunder Seed	Thunder	<a href="http://www.thunderseeds.com">www.thunderseeds.com</a>
Viking	Viking	<a href="http://www.alseed.com">www.alseed.com</a>

**Table 2. 2022 Corn - Average of Southern Locations (Ransom and Richland Counties), Early Maturing Hybrids ( ≤94).**

Authors, C. Keene and D. Eisinger.

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield			
			Moisture <sup>2</sup>	Weight <sup>2</sup>	Ransom	Richland	Average <sup>3</sup>	2-yr. Avg.
			(%)	(lb/bu)	------(bu/a)-----			
Dairyland	DS-3477AM	94	18.9	56.2	219	186	208	--
Legacy	LC-3517	95	19.0	57.4	220	188	206	185
REA	92B10	92	17.3	57.8	242	164	199	--
REA	4B958	95	19.4	56.7	213	185	199	188
Zone 3 Check 2 Dekalb	44-98	94	18.9	56.9	217	179	198	--
Latham	LH 4454 VT2 PRO	94	19.7	56.4	217	178	198	--
Hefty	H4052	90	18.5	57.6	205	184	197	--
Dahlman	R48-239VT2PRIB	95	19.0	56.4	203	183	196	--
Legacy	LC414-21	90	18.8	57.8	210	175	195	--
Latham	LH 4375 VT2 PRO	93	18.8	57.8	213	177	193	--
Legacy	LC403-22	90	19.5	54.8	225	172	193	--
Latham	LH 4527 VT2 PRO	95	19.5	57.2	210	179	191	--
REA	95A36	95	19.8	56.2	209	169	189	--
Hefty	H4132	91	17.9	56.9	200	165	183	176
Latham	LH 3937 VT2 PRO	89	18.0	56.4	197	165	179	--
Zone 3 Check 1 Hefty	3922	89	17.6	56.9	202	160	179	--
Master Farmer	MRZ-C939 5122EZ	93	20.6	55.8	199	153	175	--
Hefty	H3632	86	16.1	57.4	176	146	164	163
Mean			18.7	56.8	214	174	191	178
CV (%)			5.2	1.2	9	9	8	--
LSD 0.05			2.3	1.2	30	22	21	--
LSD 0.10			1.9	1.0	25	19	17	--

Planted: Ransom May 23, Richland May 18. Harvested:Ransom Oct. 11, Richland Oct. 25.

<sup>1</sup>Relative maturity as given by industry.<sup>2</sup>Grain moisture and test weight are an average of Ransom, and Richland county data.<sup>3</sup>Combined yield means are calculated using statistical means that are adjusted based on location variability and may not reflect the numerical average.

**Table 3. 2022 Corn - Average of Southern Locations (Ransom and Richland Counties), Late Maturing Hybrids ( ≥95).  
Authors, C. Keene and D. Eisinger.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield			
			Moisture <sup>2</sup>	Weight <sup>2</sup>	Ransom	Richland	Average <sup>3</sup>	2-yr. Avg.
			(%)	(lb/bu)	------(bu/a)-----			
Dairyland	DS-4014Q	100	22.2	55.2	239	189	215	206
Dairyland	DS-3601AM	96	20.2	56.4	215	204	212	--
Latham	LH 4657 VT2 PRO	96	18.8	57.1	226	188	206	--
Dairyland	DS-3959Q	99	22.8	55.8	224	187	205	197
Proseed	2196 VT2PRIB	96	20.0	55.8	212	183	201	195
Legacy	LC464-21	96	22.2	55.3	224	167	198	--
Latham	LH 4937 VT2 PRO	99	20.0	56.4	232	168	196	--
Zone 3 Check 3 Dekalb	51-25	101	20.5	56.6	221	170	196	--
Dairyland	DS-3727AM	97	21.0	58.0	207	181	195	188
Dahlman	R49-25VT2PRIB	98	18.6	56.7	203	179	194	187
Latham	LH 5245 VT2 PRO	101	22.1	55.1	218	172	193	--
Proseed	2398 TRE	98	21.1	54.6	214	171	192	--
Stine	MX441-G	101	23.9	56.0	218	168	192	--
Legacy	LC-3718	97	21.4	55.6	225	165	192	183
Legacy	LC461-21	96	19.6	57.0	217	159	189	183
Hefty	H4732	97	20.1	55.3	220	167	189	184
REA	96A49	96	20.5	55.7	192	179	186	--
Mean			20.9	56.0	214	174	197	190
CV (%)			4.9	1.2	9	9	8	--
LSD 0.05			2.3	1.2	30	22	21	--
LSD 0.10			1.9	1.0	25	19	17	--

Planted: Ransom May 23, Richland May 18. Harvested:Ransom Oct. 11, Richland Oct. 25.

<sup>1</sup>Relative maturity as given by industry.

<sup>2</sup>Grain moisture and test weight are an average of Ransom and Richland county data.

<sup>3</sup>Combined yield means are calculated using statistical means that are adjusted based on location variability and may not reflect the numerical average.

**Table 4. 2022 Corn - Average of Central Locations (Cass and Steele Counties), Early Maturing Hybrids (≤87).  
Authors, C. Keene and D. Eisinger.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield				
			Moisture <sup>2</sup>	Weight <sup>2</sup>	Casselton	Prosper	Steele	Avg. <sup>3</sup>	2-yr. Avg.
			(%)	(lb/bu)	(bu/a)				
REA	EXP88B04	88	18.0	57.2	226	256	216	232	--
Dyna-Gro	D28VC33	88	17.5	57.4	218	249	214	226	--
Latham	LH 3867 VT2 PRO	88	17.2	57.4	216	249	210	226	--
REA	2B851	85	16.2	57.7	210	255	208	224	232
Dyna-Gro	D27VC87	87	17.1	58.4	220	232	209	222	--
Legacy	LC-2817	86	17.4	58.0	218	236	211	220	230
Legacy	LC353-22	85	20.6	57.6	217	246	195	220	--
Legacy	LC354-20	85	22.2	55.2	225	251	181	219	--
Zone 2 Check 1 Pioneer	P8588	88	16.5	58.1	212	243	198	218	--
Master Farmer	MG-A869	86	18.5	58.7	202	240	206	215	--
Latham	LH 3325 VT2 PRO	83	16.6	58.1	220	240	183	214	--
REA	2B863	86	18.5	57.2	211	240	188	213	226
Latham	LH 3695 VT2 PRO	86	17.6	58.0	218	228	186	211	--
Proseed	1787 VT2PRIB	87	17.4	58.1	222	219	190	210	219
Dyna-Gro	D26VC72	86	16.6	57.2	214	221	193	210	--
REA	2B862	86	17.6	58.2	217	244	166	209	227
Stine	9212-10	85	19.2	57.5	221	214	180	206	--
Master Farmer	MBZ-N852 3220EZ	85	19.9	58.0	199	227	175	200	--
Mean			18.0	57.7	220	244	201	216	227
CV (%)			7.2	1.3	7	4	13	8	--
LSD 0.05			1.4	2.0	23	16	35	19	--
LSD 0.10			1.2	1.7	19	13	29	16	--

See footnotes below table 5.

**Table 5. 2022 Corn - Average of Central Locations (Cass and Steele Counties), Late Maturing Hybrids (≥88).  
Authors, C. Keene and D. Eisinger.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield				
			Moisture <sup>2</sup>	Weight <sup>2</sup>	Casselton	Prosper	Steele	Avg. <sup>3</sup>	2-yr. Avg.
			(%)	(lb/bu)	(bu/a)				
REA	92B10	92	18.7	56.8	238	279	217	244	--
Dyna-Gro	D31VC23	91	18.5	57.6	230	260	228	240	--
Dairyland	DS-3477AM	94	20.6	55.8	249	264	197	238	--
Legacy	LC464-21	96	21.6	54.9	221	287	199	236	--
Dairyland	DS-2919AM	89	18.3	58.3	229	270	213	236	--
Latham	LH 4375 VT2 PRO	93	18.5	57.4	220	268	221	236	--
REA	3B903	90	17.0	57.8	233	260	214	235	243
Legacy	LC403-22	90	20.4	55.1	217	272	216	235	--
Legacy	LC-3517	95	21.2	56.1	221	269	208	233	243
Latham	LH 3937 VT2 PRO	89	19.0	56.6	240	260	200	233	--
Proseed	2392 VT2PRIB	92	18.0	58.3	220	263	210	231	--
Legacy	LC414-21	90	18.9	57.6	224	257	211	230	--
Dairyland	DS-3203AM	92	19.7	57.0	222	254	211	229	--
Dairyland	DS-3022AM	90	18.3	57.2	217	268	198	227	251
Legacy	LC-3017	90	18.8	56.7	223	246	196	223	246
Zone 2 Check 2 Croplan	2790	90	17.6	57.9	212	--	199	219	--
Master Farmer	MRZ-C939 5122EZ	93	22.4	54.3	206	239	177	208	--
Mean			19.3	56.8	220	244	201	231	246
CV (%)			7.2	1.3	7	4	13	8	--
LSD 0.05			1.4	0.7	23	16	35	17	--
LSD 0.10			1.2	0.6	19	13	29	15	--

Planted: Casselton May 25, Prosper May 18, Steele May 26. Harvested: Casselton Oct. 20, Prosper Oct. 19, Steele Oct. 25.

<sup>1</sup>Relative maturity as given by industry.

<sup>2</sup>Grain moisture and test weight are an average of Cass, Steele and Traill county data.

<sup>3</sup>Combined yield means are calculated using statistical means that are adjusted based on location variability and may not reflect the numerical average.

**Table 6. 2022 Corn - Central Zone, Conventional and GMO Early Maturing Hybrids ( $\leq 87$ ), Prosper (Cass County).**

Authors, C. Keene and D. Eisinger.

Company/Brand	Hybrid <sup>1</sup>	RM	Grain	Test	Prosper	2-yr. Avg.
			Moisture (%)	Weight (lb/bu)		
REA	EXP88B04	88	18.0	57.2	256	--
REA	2B851	85	16.2	57.7	255	232
Legacy	LC354-20	85	22.2	55.2	251	--
Dyna-Gro	D28VC33	88	17.5	57.4	249	--
Latham	LH 3867 VT2 PRO	88	17.2	57.4	249	--
Legacy	LC353-22	85	20.6	57.6	246	--
REA	2B862	86	17.6	58.2	244	227
Zone 2 Check 1 Pioneer	P8588	88	16.5	58.1	243	--
REA	2B863	86	18.5	57.2	240	226
Master Farmer	MG-A869	86	18.5	58.7	240	--
Latham	LH 3325 VT2 PRO	83	16.6	58.1	240	--
Legacy	LC-2817	86	17.4	58.0	236	230
Dyna-Gro	D27VC87	87	17.1	58.4	232	--
Latham	LH 3695 VT2 PRO	86	17.6	58.0	228	--
Master Farmer	MBZ-N852 3220EZ	85	19.9	58.0	227	--
Dyna-Gro	D26VC72	86	16.6	57.2	221	--
Proseed	1787 VT2PRIB	87	17.4	58.1	219	219
Stine	9212-10	85	19.2	57.5	214	--
<b>DenBesten</b>	<b>DB32-77</b>	<b>77</b>	<b>15.8</b>	<b>57.4</b>	<b>206</b>	<b>--</b>
<b>DenBesten</b>	<b>DB31-83</b>	<b>83</b>	<b>19.4</b>	<b>58.7</b>	<b>180</b>	<b>185</b>
<b>DenBesten</b>	<b>DB31-80</b>	<b>80</b>	<b>16.8</b>	<b>61.7</b>	<b>178</b>	<b>188</b>
Mean			18.8	57.4	244	212
CV (%)			5.5	1.2	4	--
LSD 0.05			1.4	0.9	16	--
LSD 0.10			1.2	0.8	13	--

Planted: May 18. Harvested: Oct. 19.

<sup>1</sup>Conventional hybrids are indicated in bold.

**Table 7. 2022 Corn - Central Zone, Conventional and GMO Late Maturing Hybrids ( $\geq 88$ ), Prosper (Cass County).**

Authors, C. Keene and D. Eisinger.

Company/Brand	Hybrid <sup>1</sup>	RM	Grain	Test	Prosper	2-yr. Avg.
			Moisture	Weight		
			(%)	(lb/bu)		
Legacy	LC464-21	96	21.6	54.9	287	--
REA	92B10	92	18.7	56.8	279	--
<b>Renegade</b>	<b>R1-2197</b>	<b>97</b>	<b>19.3</b>	<b>57.1</b>	<b>275</b>	<b>272</b>
Legacy	LC403-22	90	20.4	55.1	272	--
Dairyland	DS-2919AM	89	18.3	58.3	270	--
<b>Renegade</b>	<b>R1-1592</b>	<b>92</b>	<b>19.3</b>	<b>56.7</b>	<b>269</b>	<b>262</b>
Legacy	LC-3517	95	21.2	56.1	269	243
Latham	LH 4375 VT2 PRO	93	18.5	57.4	268	--
<b>Viking</b>	<b>O.62-93UP</b>	<b>93</b>	<b>21.3</b>	<b>56.2</b>	<b>268</b>	<b>--</b>
Dairyland	DS-3022AM	90	18.3	57.2	268	251
Dairyland	DS-3477AM	94	20.6	55.8	264	--
<b>Viking</b>	<b>O.84-95UP</b>	<b>95</b>	<b>21.4</b>	<b>56.1</b>	<b>264</b>	<b>--</b>
<b>Renegade</b>	<b>R1-2194</b>	<b>94</b>	<b>20.7</b>	<b>55.8</b>	<b>264</b>	<b>--</b>
Proseed	2392 VT2PRIB	92	18.0	58.3	263	--
<b>F2F</b>	<b>F2F1C-941</b>	<b>94</b>	<b>22.1</b>	<b>55.0</b>	<b>260</b>	<b>--</b>
Dyna-Gro	D31VC23	91	18.5	57.6	260	--
Latham	LH 3937 VT2 PRO	89	19.0	56.6	260	--
REA	3B903	90	17.0	57.8	260	243
Legacy	LC414-21	90	18.9	57.6	257	--
Dairyland	DS-3203AM	92	19.7	57.0	254	--
Legacy	LC-3017	90	18.8	56.7	246	246
Master Farmer	MRZ-C939 5122EZ	93	22.4	54.3	239	--
<b>F2F</b>	<b>F2F1C-890</b>	<b>89</b>	<b>20.2</b>	<b>56.0</b>	<b>233</b>	<b>--</b>
<b>Viking</b>	<b>O.98-91UP</b>	<b>91</b>	<b>19.9</b>	<b>56.4</b>	<b>229</b>	<b>--</b>
<b>DenBesten</b>	<b>DB31-93</b>	<b>93</b>	<b>19.4</b>	<b>59.0</b>	<b>221</b>	<b>--</b>
<b>Viking</b>	<b>O.52-89UP</b>	<b>89</b>	<b>17.3</b>	<b>56.0</b>	<b>216</b>	<b>--</b>
<b>F2F</b>	<b>F2F1C-928</b>	<b>92</b>	<b>21.1</b>	<b>57.0</b>	<b>205</b>	<b>--</b>
<b>DenBesten</b>	<b>DB31-90</b>	<b>90</b>	<b>18.7</b>	<b>59.6</b>	<b>200</b>	<b>--</b>
Mean			18.8	57.4	244	246
CV (%)			5.5	1.2	4	--
LSD 0.05			1.4	0.9	16	--
LSD 0.10			1.2	0.8	13	--

Planted: May 18. Harvested: Oct. 19.

<sup>1</sup>Conventional hybrids are indicated in bold.



**Table 8. 2022 Corn - Average of Northern Locations (Grand Forks, Marshall and Ramsey Counties), Early Maturing Hybrids ( ≤82).  
Authors, C. Keene and D. Eisinger.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield				
			Moisture <sup>2</sup>	Weight <sup>2</sup>	G. F.	Marshall	Ramsey	Average <sup>3</sup>	2-yr. Avg.
			(%)	(lb/bu)	------(bu/a)-----				
Proseed	2181 VT2PRIB	81	20.4	55.8	204	200	155	187	--
Legacy	LC311-20	81	21.4	55.9	200	201	159	187	201
REA	1B821	82	19.9	55.8	206	195	155	186	206
Pioneer	7844AM	78	19.2	56.7	202	196	150	184	--
Legacy	LC304-21	80	21.6	54.3	189	209	149	182	199
Stine	9141-30	81	23.5	55.5	191	201	154	180	--
Biogene	BG512V2	81	20.7	55.5	187	204	152	180	199
Biogene	BG510AT	81	22.8	55.7	204	180	144	178	193
REA	1B771	77	20.1	55.1	179	208	147	176	193
Latham	LH 3035 VT2 PRO	80	19.7	55.9	188	194	140	175	--
Latham	LH 2977 VT2 PRO	79	18.9	56.8	179	182	160	175	--
Legacy	LC275-21	77	22.4	55.3	183	192	146	172	--
Biogene	BG490V2	79	19.6	57.0	177	193	131	166	173
Stine	9003-20	77	19.9	58.7	170	180	142	165	170
Master Farmer	MB-G779 3110VIP <sup>4</sup>	80	22.2	56.0	150	170	158	160	--
Legacy	LC295-21	79	20.6	59.4	165	177	134	158	176
Proseed	1882 VT2PRIB <sup>4</sup>	82	20.8	56.9	131	193	125	147	174
Mean			20.8	56.2	190	195	151	174	188
CV (%)			11.2	5.7	12	8	12	11	--
LSD 0.05			1.9	2.6	33	28	26	18	--
LSD 0.10			1.6	2.2	28	23	22	15	--

Planted: May 26-27. Harvested: Oct. 26.

<sup>1</sup>Relative maturity as given by industry.

<sup>2</sup>Grain moisture and test weight are an average of Grand Forks, Marshall and Ramsey county data.

<sup>3</sup>Combined yield means are calculated using statistical means that are adjusted based on location variability and may not reflect the numerical average.

<sup>4</sup>multiple plots affected by greensnap

**Table 9. 2022 Corn - Average of Northern Locations (Grand Forks, Marshall and Ramsey Counties), Late Maturing Hybrids ( ≥83).  
Authors, C. Keene and D. Eisinger.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield				
			Moisture <sup>2</sup>	Weight <sup>2</sup>	G. F.	Marshall	Ramsey	Average <sup>3</sup>	2-yr. Avg.
			(%)	(lb/bu)	------(bu/a)-----				
Dairyland	DS-2350RR	83	21.3	53.7	211	215	170	199	209
Latham	LH 3325 VT2 PRO	83	21.4	55.1	195	215	171	195	--
Legacy	LC-2347	83	21.0	56.0	222	205	152	194	205
Proseed	1984 VT2PRIB	84	21.2	55.6	221	198	158	191	--
Zone 1 Check 1 Dekalb	DKC36-48 <sup>4</sup>	86	22.7	53.6	196	213	168	190	--
Pioneer	8588AM	85	20.6	55.2	206	209	155	189	209
REA	83B33	83	20.7	55.3	213	188	163	189	--
REA	86A49	86	22.6	54.3	209	198	155	188	--
Legacy	LC-2817	86	23.6	53.4	199	208	148	187	205
Dairyland	DS-2531AM	85	23.1	53.0	200	203	156	187	--
Legacy	LC334-21	83	21.8	58.5	193	195	165	184	--
REA	2B851	85	20.9	57.4	194	200	158	184	205
Latham	LH 3695 VT2 PRO	86	22.5	53.8	192	206	150	183	--
REA	2B863	86	24.7	53.0	203	191	145	178	200
Pioneer	8859AM	88	21.6	54.9	205	170	154	178	--
Legacy	LC353-22	85	24.6	54.6	176	201	156	176	--
Master Farmer	MBZ-N852 3220EZ	85	23.8	55.1	173	173	147	168	--
Legacy	LC354-20 <sup>4</sup>	85	33.6	48.7	153	168	104	141	--
Mean			22.9	54.5	190	195	151	183	206
CV (%)			11.1	5.7	12	8	12	11	--
LSD 0.05			1.9	2.6	33	28	26	18	--
LSD 0.10			1.6	2.2	28	23	22	15	--

Planted: May 26-27. Harvested: Oct. 26.

<sup>1</sup>Relative maturity as given by industry.

<sup>2</sup>Grain moisture and test weight are an average of Grand Forks, Marshall and Ramsey county data.

<sup>3</sup>Combined yield means are calculated using statistical means that are adjusted based on location variability and may not reflect the numerical average.

<sup>4</sup>Multiple plots affected by greensnap.

**Table 10. 2022 Corn - Dryland - Carrington - Authors, M. Ostlie and K. Simons.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture	Weight	2022	2-yr. Avg.
			(%)	(lb/bu)	------(bu/a)-----	
Legacy	LC354-20	85	17.9	52.7	227	--
Dairyland	DS-2919AM	89	12.2	57.3	174	--
Integra	3718	87	12.4	56.6	174	121
Dairyland	DS-3203AM	92	13.3	54.1	173	--
Latham	LH 3937 VT2PRO	89	13.3	55.9	172	--
Legacy	LC414-21	90	12.6	57.1	167	--
Legacy	LC-3017	90	12.4	56.0	166	--
Dyna-Gro	D31VC23	91	12.0	57.4	165	--
Champion	36A22	86	12.6	55.9	164	111
Stine	9212-10	88	12.7	56.5	164	--
Legacy	LC403-22	90	12.5	54.9	162	--
Thunder	T6389 VT2P	89	11.1	55.6	162	--
REA	2B851	85	11.4	56.2	162	108
Integra	3431	84	11.7	56.9	161	116
Dyna-Gro	D23VC83	83	11.5	56.0	158	108
Latham	LH 3867 VT2PRO	88	12.4	56.4	157	--
Champion	40A21	90	11.5	56.8	156	111
Champion	33A20	83	11.7	57.7	156	105
Stine	9202-11	85	12.4	57.6	155	109
Proseed	1984	84	11.3	56.4	155	107
Legacy	LC353-22	85	12.7	57.7	154	--
Integra	3537	85	11.5	56.4	154	112
REA	2B863	86	12.3	55.2	152	102
Dyna-Gro	D26VC72	86	11.3	55.6	151	102
Thunder	T6987 VT2P	87	11.2	56.0	151	110
Proseed	1787	87	11.9	56.7	151	110
Dairyland	DS-2531AM	85	11.9	56.0	150	--
Latham	LH 3325 VT2PRO	83	11.1	56.8	149	--
REA	86A94	86	11.5	56.2	148	--
Dyna-Gro	D21VC81	81	11.4	56.1	147	101
Latham	LH 3695 VT2PRO	86	11.5	56.7	144	--
Thunder	T6185 VT2P	85	11.6	56.0	144	106
Legacy	LC-2817	86	11.7	56.5	143	102
REA	83B33	83	11.6	55.8	141	--
Stine	9140-G	83	11.7	56.4	138	98
Dyna-Gro	D27VC87	87	11.3	56.3	135	97
Thunder	T6983 VT2P	83	11.2	56.5	133	--
Integra	3282	82	11.1	57.0	128	91
Mean			12.0	56.3	156	106
CV %			4.9	1.6	12	--
LSD 0.05			0.8	1.2	27	--
LSD 0.10			0.7	1.0	22	--

Planted: May 16. Harvested: Nov. 1. Previous crop: spring wheat.

<sup>1</sup>Relative maturity as given by industry.

**Table 11. 2022 Corn - Irrigated - Carrington - Authors, M. Ostlie and K. Simons.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture	Weight	2022	2-yr. Avg.
			(%)	(lb/bu)	------(bu/a)-----	
Legacy	LC354-20	85	22.0	48.5	210	--
Renk	RK297VT2P	89	14.3	55.4	205	216
Renk	RK400VT2P	91	14.9	56.3	200	--
Latham	LH 3937 VT2PRO	89	15.8	55.2	198	--
REA	3B903	90	14.7	55.5	196	207
Legacy	LC414-21	90	15.4	55.9	194	--
REA	2B851	85	13.2	55.6	192	193
Latham	LH 3867 VT2PRO	88	14.7	54.8	189	--
Dairyland	DS-2919AM	89	14.7	56.8	189	--
Dyna-Gro	D27VC87	87	13.8	56.8	188	210
Legacy	LC403-22	90	16.9	54.3	187	--
Dairyland	DS-3022AM	90	14.2	56.4	187	193
Proseed	1984	84	13.2	56.3	185	198
Dairyland	DS-3203AM	92	16.1	56.4	184	--
Legacy	LC-2817	86	14.3	56.8	183	200
Stine	9202-11	85	14.9	57.2	180	195
Stine	9212-10	88	14.9	55.8	180	--
Renk	RK300RR	90	16.0	56.1	179	212
Stine	9140-G	83	14.4	56.7	177	185
Integra	3431	84	13.8	56.2	175	--
REA	86A94	86	13.8	56.6	173	--
Legacy	LC-3017	90	15.7	55.6	173	--
Integra	3537	85	14.0	56.9	171	--
Latham	LH 3695 VT2PRO	86	14.3	56.6	171	--
Dyna-Gro	D28VC33	88	14.7	53.0	170	--
REA	2B863	86	14.4	55.6	170	189
Legacy	LC353-22	85	15.6	57.6	169	--
REA	83B33	83	13.4	56.1	166	--
Dyna-Gro	D23VC83	83	13.8	56.0	165	188
Latham	LH 3325 VT2PRO	83	13.5	56.7	165	--
Dyna-Gro	D26VC72	86	13.4	55.5	159	181
Proseed	1787	87	13.8	57.3	158	191
Integra	3282	82	13.5	56.6	155	--
Mean			14.7	55.8	180	196
CV %			2.2	2.5	12	--
LSD 0.05			0.5	2.0	31	--
LSD 0.10			0.4	1.7	26	--

Planted: May 16. Harvested: Oct. 31. Previous crop: winter rye.

<sup>1</sup>Relative maturity as given by industry.

**Table 12. 2022 Corn - Fingal (Carrington REC) - Authors, M. Ostlie, K. Simons and T. Indergaard.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain Moisture (%)	Test Weight (lb/bu)	Grain Yield	
					2022	2-yr. Avg. (bu/a)
Renk	RK561DGVT2P	96	16.0	53.6	197	214
Thunder	T6992 VT2P	92	15.8	54.7	193	191
Legacy	LC-3517	95	17.6	54.1	193	--
Latham	LH 3937 VT2PRO	89	15.4	55.2	188	--
REA Hybrids	4B958	95	16.8	54.1	186	195
REA Hybrids	92B10	92	16.0	54.6	186	--
Dairyland	DS-3203AM	92	16.1	54.6	182	--
Renk	RK429-3220A	93	16.9	56.0	181	196
Thunder	T6791 VT2P	91	15.3	54.9	179	196
Thunder	T6294 VT2P	94	17.2	53.9	178	191
REA Hybrids	3B903	90	15.5	54.6	178	190
Dairyland	DS-3601AM	96	16.8	54.3	178	--
Latham	LH 4527 VT2PRO	95	15.6	53.6	177	--
Dyna-Gro	D34VC93	94	17.4	53.7	176	--
Renk	RK444VT2P	93	16.6	53.8	175	--
REA Hybrids	4B944	94	16.4	54.2	175	--
Champion	41A20	91	15.7	54.3	172	--
Renk	RK502SSTX	95	16.4	52.9	171	--
REA Hybrids	95A36	95	15.9	53.8	170	--
Latham	LH 4375 VT2PRO	93	15.4	55.1	168	--
Dairyland	DS-3477AM	94	15.9	54.2	168	--
Champion	36A22	86	16.1	54.8	167	--
Champion	47A22	97	17.9	52.4	167	--
Legacy	LC464-21	96	19.0	54.4	166	--
Dyna-Gro	D28VC33	88	15.5	55.2	166	--
Renk	RK485DGVT2P	94	18.2	53.6	165	188
Latham	LH 3867 VT2PRO	88	15.1	55.8	164	--
Legacy	LC403-22	90	16.8	53.8	162	--
Dyna-Gro	D31VC23	91	15.5	54.5	160	--
Legacy	LC461-21	96	16.9	54.6	157	201
Renk	RK400VT2P	91	15.6	53.9	156	--
Champion	37A21	87	15.1	55.4	156	--
Legacy	LC-3017	90	15.8	54.4	155	--
Legacy	LC414-21	90	15.7	54.1	155	--
Proseed	1794	94	16.7	53.9	155	184
Dyna-Gro	D27VC87	87	14.3	55.7	152	166
Latham	LH 3695 VT2PRO	86	14.3	56.1	152	--
Dairyland	DS-2919AM	89	15.1	55.5	149	--
Proseed	2392	92	15.2	54.6	149	--
Thunder	T6389 VT2P	89	15.5	55.1	144	--
Dairyland	DS-3727AM	97	16.0	54.2	116	179
Mean			16.1	54.4	168	
CV %			3.9	1.7	9	
LSD 0.05			0.9	1.3	14	
LSD 0.10			0.7	1.1	12	

Planted: June 8. Harvested: Nov. 8. Previous crop: soybean. Major wind storm on November 5-6.

<sup>1</sup>Relative maturity as given by industry.

**Table 13. 2022 Corn - Oakes (Carrington REC) - Authors, H. Eslinger, S. Eslinger and K. Cooper.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture	Weight	2022	2-yr. Avg.
			(%)	(lb/bu)	------(bu/a)-----	
Thunder	T6396 VT2P	96	19.7	51.0	207	--
Dyna-Gro	D38VC80	98	19.9	50.5	204	--
Renk	RK444VT2P	93	18.8	51.1	201	--
Dyna-Gro	D34VC93	94	19.5	50.8	198	--
Dairyland	DS-3601AM	96	19.5	51.8	198	--
Proseed	2196	96	19.7	50.3	197	--
Renk	RK400VT2P	91	18.2	53.2	193	--
REA	92B10	92	18.2	52.3	193	--
Legacy	LC-3718	97	20.3	49.6	192	175
REA	95A36	95	18.4	51.6	191	--
REA	4B958	95	19.4	51.2	188	173
Dyna-Gro	D33QZ83	93	18.3	53.4	186	--
Dairyland	DS-3477AM	94	18.5	52.3	185	--
Dairyland	DS-3203AM	92	19.0	53.0	184	--
Thunder	T6398 TRE	98	19.7	49.6	184	--
REA	4B976	97	19.8	50.3	184	--
Legacy	LC461-21	96	19.3	51.3	183	161
Renk	RK429-3220A	93	18.2	53.7	183	169
Proseed	2398	98	19.0	49.7	183	--
Renk	RK502SSTX	95	19.6	50.0	183	--
Renk	RK561DGVT2P	96	18.7	50.9	183	167
Renk	RK485DGVT2P	94	19.6	51.2	178	
Thunder	T6298 VT2P	98	19.0	49.7	177	170
Legacy	LC464-21	96	19.1	52.5	174	--
Legacy	LC-3517	95	18.3	52.5	172	152
REA	4B944	94	18.1	52.4	171	--
Dairyland	DS-3727AM	97	18.7	53.1	166	156
Legacy	LC503-21	100	22.7	48.0	162	--
Mean			19.2	51.3	186	165
CV %			4.9	1.5	9	--
LSD 0.05			1.3	1.1	23	--
LSD 0.10			1.1	0.9	19	--

Planted: June 10. Harvested: Oct. 25. Previous crop: corn.

<sup>1</sup>Relative maturity as given by industry.

**Table 14. 2022 Corn - Irrigated - Oakes (Carrington REC) - Authors, H. Eslinger, S. Eslinger and K. Cooper.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture	Weight	2022	2-yr. Avg.
			(%)	(lb/bu)	------(bu/a)-----	
Dairyland	DS-3727AM	97	15.8	57.5	266	282
Thunder	T6397 AA	97	15.8	57.6	260	--
Dairyland	DS-3601AM	96	15.0	56.9	251	--
Legacy	LC-3718	97	15.8	57.2	250	273
Legacy	LC464-21	96	16.4	57.6	249	--
REA	4B944	94	15.1	56.8	248	258
Legacy	LC503-21	100	16.5	56.5	247	--
Renk	RK561DGVT2P	96	15.8	57.2	245	275
REA	4B976	97	15.9	56.8	243	268
Legacy	LC-3517	95	15.8	57.9	241	261
Dairyland	DS-3477AM	94	15.5	57.1	241	--
Proseed	2398	98	15.8	56.4	239	--
Thunder	T6398 TRE	98	15.8	57.0	239	--
REA	95A36	95	15.4	58.2	237	--
Renk	RK429-3220A	93	15.2	58.4	236	267
Renk	RK485DGVT2P	94	15.7	58.5	236	261
REA	96B49	96	15.9	57.4	236	--
REA	92B10	92	14.7	57.8	236	--
Proseed	2196	96	15.6	57.2	235	274
Renk	RK502SSTX	95	15.5	57.4	233	--
Thunder	T6298 VT2P	98	15.5	57.0	231	--
Dairyland	DS-3203AM	92	14.9	58.2	229	--
Dyna-Gro	D34VC93	94	15.4	57.1	228	--
Renk	RK444VT2P	93	15.6	57.2	225	--
Dyna-Gro	D37VC64	97	15.1	57.6	225	--
Legacy	LC461-21	96	15.5	58.7	222	253
Dyna-Gro	D33QZ83	93	15.4	57.8	221	--
Renk	RK400VT2P	91	14.4	59.4	199	--
Dyna-Gro	D21VC81	81	14.7	57.4	176	--
Mean			15.5	57.5	235	267
CV %			4.0	1.1	8	--
LSD 0.05			0.9	0.9	25	--
LSD 0.10			0.7	0.7	21	--

Planted: May 23. Harvested: Oct. 26. Previous crop: soybean.

<sup>1</sup>Relative maturity as given by industry.

**Table 15. 2022 Corn - Langdon - Authors, B. Hanson, L. Henry and R. Duerr.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield
			Moisture	Weight	2022
			(%)	(lb/bu)	(bu/a)
Thunder	T6278 VT2P	78	25.2	49.6	162
Proseed	1974	74	25.1	51.8	162
REA	1R710	71	24.7	50.7	161
REA	1B750	75	25.5	52.4	159
Integra	3009VT2	80	28.4	49.2	158
Thunder	T6977 VT2P	77	24.1	49.9	154
Proseed	2181	81	24.5	49.6	154
Pioneer	P7417AM	74	22.5	49.8	151
Pioneer	P7844AM	78	24.9	48.8	151
Thunder	T4072 RR	72	23.0	51.2	150
Innvictis	A7988VT2PRIB	79	27.6	49.5	149
Legacy	LC311-20	81	26.4	48.6	148
Integra	2508R	75	24.0	54.1	146
Thunder	T6181 VT2P	81	24.9	48.2	142
Proseed	2078	78	25.0	47.0	141
Innvictis	A7837VT2PRIB	78	23.9	51.2	138
Legacy	LC295-21	79	29.6	52.6	137
Legacy	LCX275-22	80	25.2	48.5	136
REA	1B771	77	28.9	47.1	136
Stine	9140-G	81	32.8	46.2	136
Stine	9003-20	77	28.6	53.4	132
Pioneer	P7861AM	78	26.4	48.8	130
Legacy	LC304-21	80	35.0	47.1	124
Legacy	LC275-21	77	36.3	49.0	113
Trial Mean			26.8	49.8	145
C.V. %			6.7	1.4	6
LSD 5%			2.3	0.9	11
LSD 10%			1.9	0.7	9

Planted: May 24. Harvested: Oct. 21.

<sup>1</sup>Relative maturity as given by industry.**Table 16. 2022 Corn - Irrigated - Nesson Valley (Williston REC) - Authors, J. Jacobs, A. Turnquist and T. Tjelde.**

Company/Brand	Hybrid	RM <sup>1</sup>	Test	Grain Yield	
			Weight	2022	2-yr. Avg.
			(lb/bu)	------(bu/a)-----	
REA Hybrids	1B771	77	54.6	160	177
REA Hybrids	83B33	83	54.3	158	--
Integra	3009 VT2P RIB	80	56.2	151	159
Integra	3537 VT2P RIB	85	55.1	150	168
Integra	3282 VT2P RIB	82	56.9	149	161
REA Hybrids	2B851	85	54.3	146	165
Mean			55.2	152	166
CV %			0.9	15	--
LSD 0.05			0.8	NS	--
LSD 0.10			0.6	NS	--

Planted: May 24. Harvested: Nov. 1. Previous crop: barley.

<sup>1</sup>Relative maturity as given by industry.



**Table 17. 2022 Corn - Minot (North Central REC) - Authors, E. Eriksmoen, J. Hansen and A. Kraklau.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture	Weight	2022	2-yr. Avg.
			(%)	(lb/bu)	------(bu/a)-----	
Dairyland	DS-2350RR	83	20.5	59.7	192	--
Syng NK	NK8519-3220	85	28.6	63.6	191	150
Latham	LH 3035 VT2 PRO	80	23.7	60.8	191	--
Proseed	1984	84	21.1	60.0	191	--
Syng NK	NK8618-3120A	86	26.5	62.1	186	--
Proseed	2181	81	21.7	60.3	184	--
Syng NK	NK8760-3220	82	28.4	64.7	179	--
Thunder	T6181 VT2P	81	21.8	60.4	179	146
REA	83B33	83	18.4	59.5	179	--
Latham	LH 3325 VT2 PRO	83	22.5	61.0	178	--
Latham	LH 3222 RR	82	23.0	60.7	177	--
Syng NK	NK8204-3220	82	24.8	61.6	174	139
Latham	LH 2977 VT2 PRO	79	19.5	59.9	174	--
REA	1B771	77	19.2	59.8	173	--
Dairyland	DS-2080AM	80	17.0	59.5	170	--
REA	2B851	85	20.8	60.4	167	137
Thunder	T6278 VT2P	78	21.5	60.2	166	--
Proseed	1882	82	26.6	62.2	165	138
Syng NK	NK8005-3220A	80	24.7	61.9	163	136
Integra	3431 VT2P RIB	84	25.0	61.5	161	140
Integra	3009 VT2P RIB	80	19.1	59.7	155	129
Integra	3282 VT2P RIB	82	25.7	62.0	155	126
REA	1B750	75	17.7	59.6	149	116
REA	1R710	71	16.2	59.2	143	--
Thunder	T6977 VT2P	77	19.9	60.0	140	--
Mean			22.1	60.8	171	134
CV %			14	2.2	8	--
LSD 0.05			5.1	2.2	23	--
LSD 0.10			4.3	1.8	19	--

Planted: May 25. Harvested: Oct. 11.

<sup>1</sup>Relative maturity as given by industry.

**Table 18. 2022 Corn - Hettinger - Authors, J. Rickertsen and M. Wells.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain Moisture (%)	Test Weight (lb/bu)	Grain Yield	
					2022	2-yr. Avg.
					------(bu/a)-----	
Proseed	1984	84	15.1	57.9	73	56
Proseed	1974	74	14.4	60.8	73	--
Integra	3009	80	14.2	59.3	71	55
Proseed	1882	82	15.6	59.2	65	52
Mean			14.8	59.3	71	54
CV %			3.7	1.2	8	--
LSD 0.05			0.6	0.7	6	--
LSD 0.10			0.5	0.6	5	--

Planted: May 11. Harvested: Oct. 28. Previous crop: winter wheat.

<sup>1</sup>Relative maturity as given by industry.



**NDSU does not endorse commercial products or companies even though reference may be made to tradenames, trademarks or service names.**

**For more information on this and other topics, see [www.ag.ndsu.edu](http://www.ag.ndsu.edu)**

NDSU encourages you to use and share this content, but please do so under the conditions of our Creative Commons license. You may copy, distribute, transmit and adapt this work as long as you give full attribution, don't use the work for commercial purposes and share your resulting work similarly. For more information, visit [www.ag.ndsu.edu/agcomm/creative-commons](http://www.ag.ndsu.edu/agcomm/creative-commons).

County commissions, North Dakota State University and U.S. Department of Agriculture cooperating. NDSU does not discriminate in its programs and activities on the basis of age, color, gender expression/identity, genetic information, marital status, national origin, participation in lawful off-campus activity, physical or mental disability, pregnancy, public assistance status, race, religion, sex, sexual orientation, spousal relationship to current employee, or veteran status, as applicable. Direct inquiries to Vice Provost for Title IX/ADA Coordinator, Old Main 201, NDSU Main Campus, 701-231-7708, [ndsuoaa.ndsu.edu](mailto:ndsuoaa@ndsu.edu). This publication will be made available in alternative formats for people with disabilities upon request, 701-231-7881.