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# North Dakota Corn

## *Variety Trial Results for 2018 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 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 2018**

In 2018, the area of corn planted in North Dakota was 3.15 million acres, down from the 3.42 million acres planted in 2017. The average yield for the state in 2018 was estimated at 146 bushels per acre, up from the 139 bushels per acre recorded in 2017.

Generally, corn growing degree accumulations were well ahead of normal during the growing season. However, colder than normal weather in October and November slowed dry-down and 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 implementing the research. Grain yield was adjusted to 15.5 percent moisture.

### **Data Analysis**

Data were analyzed using analyses of variance (ANOVA). Least significant difference (LSD) values at the 5 and 10 percent 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 percent 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 (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.

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**Table 1. Companies Participating in 2018 NDSU Corn Hybrid Trials.**

<u>Company</u>	<u>Abbreviated</u>	<u>Website</u>
Allegiant Seed	Allegiant	<a href="http://www.chsinc.com">www.chsinc.com</a>
Channel	Channel	<a href="http://www.channel.com">www.channel.com</a>
Croplan Genetics	Croplan	<a href="http://www.winfield.com">www.winfield.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>
Dekalb	Dekalb	<a href="http://www.dekalb.com">www.dekalb.com</a>
Dyna-Gro Seed	Dyna-Gro	<a href="http://www.dynagroseed.com">www.dynagroseed.com</a>
Funk's Frontiersmen	Frontiersmen	<a href="http://frontiersmen.ag/">http://frontiersmen.ag/</a>
Hefty Seed	Hefty	<a href="http://www.heftyseed.com">www.heftyseed.com</a>
Innotech	Innotech	<a href="http://www.robseeco.com">www.robseeco.com</a>
Integra Fortified Seed	Integra	<a href="http://www.integraseed.com">www.integraseed.com</a>
Legacy Seeds	Legacy	<a href="http://www.legacyseeds.com">www.legacyseeds.com</a>
Legend Seeds	Legend	<a href="http://www.legendseeds.net">www.legendseeds.net</a>
NK	NK	<a href="http://www.syngenta-us.com/corn/nk">www.syngenta-us.com/corn/nk</a>
NorthStar Genetics	NorthStar	<a href="http://www.northstargenetics.com">www.northstargenetics.com</a>
NuTech Seed/G2 Genetics	NuTech/G2	<a href="http://www.nutechseed.com">www.nutechseed.com</a>
Partners Brand	Partners	<a href="http://www.partnersbrandseed.com">www.partnersbrandseed.com</a>
Peterson Farms Seed	Peterson	<a href="http://www.petersonfarmsseed.com">www.petersonfarmsseed.com</a>
Pioneer	Pioneer	<a href="http://www.pioneer.com">www.pioneer.com</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">www.mkap.com</a>
Rob-See-Co	Rob-See-Co	<a href="http://www.robseeco.com">www.robseeco.com</a>
Stine Seed	Stine	<a href="http://www.stinseed.com">www.stinseed.com</a>
Thunder Seed	Thunder	<a href="http://www.thunderseeds.com">www.thunderseeds.com</a>

**Table 2. 2018 Corn - Average of Southern Locations (Ransom, Richland and Sargent Counties), Early Maturing ( ≤94).**

Authors, J. Ransom and D. Eisinger.

Company/Brand	Hybrid	Grain		Grain Yield				
		RM <sup>1</sup>	Moisture <sup>2</sup> (%)	Ransom	Richland	Sargent	Average	2-yr. Avg.
Legacy	L-3416 VT2P	94	19.9	259.6	275.3	271.0	268.6	253.3
Hefty	H4402	94	19.2	269.1	268.7	256.3	264.7	--
REA	3B922	92	19.2	254.0	269.2	264.7	262.6	241.6
Channel	194-49DGVT2PRIB	94	20.1	256.5	274.5	256.6	262.5	--
Proseed	1794	94	20.0	264.0	255.9	265.7	261.9	--
Dahlman	R47-24VT2PRIB	94	19.3	260.7	266.3	255.5	260.8	247.4
Legend	LR 9893	93	20.0	248.6	270.9	262.1	260.5	247.9
Peterson	72A91	91	18.6	249.3	266.0	264.1	259.8	239.3
Channel	191-25VT2PRIB	91	19.6	254.3	261.2	258.1	257.9	--
Peterson	76S92	92	19.1	265.8	255.8	247.5	256.4	240.7
Hefty	H4012	90	18.7	257.4	270.8	239.6	255.9	--
REA	3B902	90	18.3	256.1	261.4	249.4	255.6	248.5
Dairyland	DS-7294	93	19.3	263.6	260.1	232.0	251.9	233.4
Dairyland	DS-7294a	94	20.3	262.1	249.4	239.3	250.3	235.6
Proseed	1591	91	18.6	239.1	250.4	252.6	247.4	--
REA	3B923	92	18.5	228.0	257.3	252.1	245.8	--
Legend	LR 9993	93	19.4	248.5	247.8	237.3	244.5	--
Proseed	1689	89	17.9	246.1	241.6	245.2	244.3	230.4
Hefty	H3712	87	17.5	245.5	248.2	237.9	243.9	--
Mean			19.1	253.8	259.7	250.9	254.8	240.5
CV (%)				5.8	6.2	6.3	3.8	--
LSD 0.05				20.2	23.6	23.3	15.8	--
LSD 0.10				16.9	19.8	19.5	13.3	--

<sup>1</sup>Relative maturity as given by industry.<sup>2</sup>Average of all locations.

**Table 3. 2018 Corn - Average of Southern Locations (Ransom, Richland and Sargent Counties), Late Maturing ( $\geq 95$ ).  
Authors, J. Ransom and D. Eisinger.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain		Grain Yield			
			Moisture <sup>2</sup>	Ransom	Richland	Sargent	Average	2-yr. Avg.
			(%)	------(bu/a)-----				
Legacy	L-3718 VT2P	98	20.9	283.8	288.2	275.5	282.5	--
Integra	4509	95	19.9	275.7	280.9	258.1	271.6	--
Dairyland	RPM-4019AM	99	21.4	272.9	278.3	262.6	271.3	254.4
Pioneer <sup>3</sup>	P9929	99	20.8	275.9	274.2	259.2	269.8	--
Legacy	L-3517 VT2P	95	19.7	283.0	279.1	246.7	269.6	--
Proseed	1898	98	20.1	266.2	278.2	259.0	267.8	--
REA	4B965	96	20.8	257.4	271.1	272.8	267.1	--
Legend	LR 9999	99	21.8	260.9	285.3	253.7	266.6	--
Channel	197-90VT2PRIB	97	20.2	272.8	261.5	261.4	265.2	--
Dairyland	DS-7101	101	22.2	268.6	261.1	262.8	264.2	--
Legacy	L-4118 GENSS	100	20.8	259.8	267.7	264.6	264.0	--
Dahlman	R48-28VT2PRIB	95	19.6	269.4	268.6	253.2	263.7	--
Legend	LR 9895	95	20.1	267.7	266.5	257.0	263.7	--
Legacy	L-3617 VT2P	96	19.8	259.1	272.6	255.1	262.3	252.7
Hefty	H4612	96	19.6	259.9	282.5	244.1	262.2	--
Peterson	78G95	95	19.9	263.7	265.9	256.2	261.9	--
Dairyland	RPM-3518AM	96	20.9	271.0	259.6	253.9	261.5	237.9
Integra	4782	98	19.7	269.5	264.6	249.3	261.1	--
REA	4B973	97	20.0	263.5	275.2	241.5	260.1	240.3
Dekalb <sup>3</sup>	DKC 45-65	95	20.4	248.2	272.5	251.7	257.5	--
Dairyland	RPM-3715AM	96	19.8	257.3	266.3	247.2	256.9	240.7
Legend	LR 9996	96	20.0	248.7	269.3	247.5	255.2	--
Peterson	79N94	95	20.2	215.9	260.7	255.8	244.1	--
Dairyland	RPM-3519AM	96	19.5	215.9	257.7	257.3	243.6	--
Mean			20.3	261.9	271.1	256.1	263.1	245.2
CV (%)				5.8	6.2	6.3	3.8	--
LSD 0.05				20.2	23.6	23.3	15.8	--
LSD 0.10				16.9	19.8	19.5	13.3	--

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

<sup>2</sup>Average of all locations.

<sup>3</sup>Included as a check provided by a collaborating grower.

**Table 4. 2018 Corn - South Zone, Conventional and GMO, Ransom County, Early Maturing ( $\leq 94$ ).**

Authors, J. Ransom and D. Eisinger.

Company/Brand	Hybrid <sup>1</sup>	RM <sup>2</sup>	Grain		Grain Yield (bu/a)
			Moisture (%)	Snapped <sup>3</sup> (%)	
Hefty	H4402	94	19.7	7	269.1
Peterson	76S92	92	19.8	1	265.8
<b>Thunder</b>	<b>2893</b>	<b>93</b>	<b>19.3</b>	<b>2</b>	<b>265.2</b>
Proseed	1794	94	21.3	1	264.0
Dairyland	DS-7294	93	20.8	1	263.6
<b>Renegade</b>	<b>R1-1592</b>	<b>92</b>	<b>19.4</b>	<b>0</b>	<b>262.7</b>
Dairyland	DS-7294a	94	21.0	7	262.1
Dahlman	R47-24VT2PRIB	94	19.8	14	260.7
Legacy	L-3416 VT2P	94	21.8	15	259.6
Hefty	H4012	90	19.5	16	257.4
Channel	194-49DGV2PRIB	94	21.1	24	256.5
REA	3B902	90	19.3	3	256.1
Channel	191-25VT2PRIB	91	20.5	7	254.3
REA	3B922	92	19.9	13	254.0
Peterson	72A91	91	19.2	0	249.3
Legend	LR 9893	93	20.6	0	248.6
Legend	LR 9993	93	20.5	0	248.5
Proseed	1689	89	18.3	0	246.1
Hefty	H3712	87	18.1	0	245.5
Proseed	1591	91	20.0	0	239.1
REA	3B923	92	18.6	0	228.0
Mean			19.9	5	254.3
CV (%)			4.7	96	5.8
LSD 0.05			1.4	12	20.2
LSD 0.10			1.2	10	16.9

<sup>1</sup>Conventional hybrids are indicated in bold.<sup>2</sup>Relative maturity as given by company.<sup>3</sup>Snapped refers to the percent of the hybrids that were broken due to greensnap.

**Table 5. 2018 Corn - South Zone, Conventional and GMO, Ransom County, Late Maturing ( $\geq 95$ ).**

Authors, J. Ransom and D. Eisinger.

Company/Brand	Hybrid <sup>1</sup>	RM <sup>2</sup>	Grain		Grain Yield (bu/a)
			Moisture (%)	Snapped <sup>3</sup> (%)	
Legacy	L-3718 VT2P	98	21.6	7	283.8
Legacy	L-3517 VT2P	95	20.4	1	283.0
Pioneer <sup>4</sup>	P9929	99	22.4	4	275.9
Integra	4509	95	20.7	3	275.7
Dairyland	RPM-4019AM	99	24.0	0	272.9
Channel	197-90VT2PRIB	97	20.9	3	272.8
<b>Renegade</b>	<b>R2-1695</b>	<b>95</b>	<b>20.6</b>	<b>5</b>	<b>272.8</b>
Dairyland	RPM-3518AM	96	21.8	2	271.0
Integra	4782	98	20.1	2	269.5
Dahlman	R48-28VT2PRIB	95	20.4	1	269.4
Dairyland	DS-7101	101	23.2	9	268.6
Proseed	PX797	97	21.5	3	268.5
Legend	LR 9895	95	21.1	4	267.7
Proseed	1898	98	21.2	1	266.2
Peterson	78G95	95	20.3	5	263.7
REA	4B973	97	21.4	9	263.5
Legend	LR 9999	99	23.6	14	260.9
Hefty	H4612	96	20.0	2	259.9
Legacy	L-4118 GENSS	100	22.0	8	259.8
Legacy	L-3617 VT2P	96	21.0	2	259.1
<b>Renegade</b>	<b>R1-1699</b>	<b>99</b>	<b>20.5</b>	<b>5</b>	<b>258.6</b>
REA	4B965	96	22.6	23	257.4
Dairyland	RPM-3715AM	96	21.0	18	257.3
<b>Thunder</b>	<b>3595</b>	<b>95</b>	<b>21.0</b>	<b>0</b>	<b>257.0</b>
Legend	LR 9996	96	20.9	7	248.7
Dekalb <sup>4</sup>	DKC 45-65	95	21.7	15	248.2
Peterson	79N94	95	21.1	41	215.9
Dairyland	RPM-3519AM	96	20.8	37	215.9
Mean			21.3	8	261.5
CV (%)			4.7	96	5.8
LSD 0.05			1.4	12	20.2
LSD 0.10			1.2	10	16.9

<sup>1</sup>Conventional hybrids are indicated in bold.<sup>2</sup>Relative maturity as given by company.<sup>3</sup>Snapped refers to the percent of the hybrids that were broken due to greensnap.<sup>4</sup>Included as a check provided by a collaborating grower.

**Table 6. 2018 Corn - Average of Central Locations (Cass, Steele and Traill Counties), Early Maturing (≤86).**

Authors, J. Ransom and D. Eisinger.

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Grain Yield				
			Moisture <sup>2</sup> (%)	Cass	Steele	Traill	Average	2-yr. Avg.
				------(bu/ac)-----				
Integra	3629	85	18.7	255.3	227.5	266.2	249.7	--
Dahlman	R43-29VT2PRIB	85	18.9	245.0	223.9	258.9	242.6	--
Dairyland	EXP-08611	86	18.1	247.7	215.7	260.2	241.2	--
Legacy	L-2817 VT2P	85	18.8	256.0	217.9	243.1	239.0	235.7
Channel	Brand	85	17.9	257.8	211.5	243.8	237.7	224.5
Dairyland	DS-9686	86	19.8	246.1	206.4	250.0	234.2	228.1
Peterson	76Q86	86	19.0	252.2	196.8	246.5	231.8	--
Legacy	L-2546 RR2	85	18.6	254.3	186.9	250.3	230.5	227.8
Hefty	H3322 VT2P	83	19.5	224.4	207.2	256.5	229.4	--
Dairyland	DS-9085	85	19.7	235.7	204.6	243.3	227.9	--
Dairyland	DS-9085a	83	18.5	239.7	190.0	253.2	227.6	--
Dairyland	EXP-08407	84	18.7	232.5	210.1	236.3	226.3	219.4
Legend	LR 9986	86	19.3	233.0	196.7	240.1	223.3	--
Dairyland	DS-9686a	86	18.6	219.1	202.1	239.0	220.1	230.8
Dairyland	RPM-2918AM	85	17.9	236.3	190.0	232.6	219.6	--
Channel	182-09VT2PRIB	82	17.2	219.4	192.3	245.4	219.0	--
Mean			18.7	240.9	205.0	247.8	231.2	227.7
CV (%)				5.2	7.0	5.2	3.6	--
LSD 0.05				20.1	24.2	21.1	13.8	--
LSD 0.10				16.8	20.2	17.6	11.6	--

<sup>1</sup>Relative maturity as given by company.<sup>2</sup>Average of all locations.

**Table 7. 2018 Corn - Average of Central Locations (Cass, Steele and Traill Counties), Late Maturing ( $\geq 87$ ).**

Authors, J. Ransom and D. Eisinger.

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Grain Yield				
			Moisture <sup>2</sup> (%)	Cass	Steele	Traill	Average	2-yr. Avg.
				------(bu/ac)-----				
Legacy	L-3017 VT2P	90	20.8	270.9	229.9	264.1	255.0	235.9
Legend	LR 9990	90	21.0	275.0	211.7	268.4	251.7	--
Channel	187-49VT2PRIB	87	19.1	258.1	227.0	266.3	250.5	240.5
Integra	4119	91	21.5	273.2	211.9	264.4	249.8	--
Dahlman	R45-28VT2PRIB	90	21.1	251.5	224.7	266.5	247.6	241.0
Peterson	74J89	89	20.2	268.3	212.7	260.7	247.2	--
Hefty	H3922 VT2P	89	20.0	250.9	223.9	263.3	246.0	--
Hefty	EXP9012 VT2P	90	20.8	252.7	223.6	258.5	244.9	--
Integra	3922	89	19.4	252.8	221.9	259.1	244.6	231.9
Integra	3718	87	20.7	256.0	214.6	260.3	243.6	236.1
Legacy	L-2847 VT2P	87	20.3	252.1	213.9	261.8	242.6	224.4
Legend	LR 9891	91	22.0	258.2	208.5	260.8	242.5	241.1
Proseed	1689	89	19.2	250.9	211.6	251.4	238.0	224.2
Proseed	1591	91	20.7	239.2	220.8	252.0	237.3	--
Legend	47J988	88	20.9	248.0	207.9	250.9	235.6	--
Dairyland	HiDF-3290-9	90	19.8	251.5	200.6	248.6	233.6	231.6
Legacy	L-3117 VT2P	91	19.9	241.5	210.7	245.4	232.5	233.6
Peterson	74Z87	87	18.8	234.8	211.8	249.8	232.1	--
Proseed	1787	87	18.7	230.9	196.7	267.7	231.8	--
Channel	191-25VT2PRIB	91	21.6	239.6	203.2	241.2	228.0	--
Dairyland	EXP-08907	89	18.8	247.8	201.4	232.2	227.1	--
NK <sup>3</sup>	NK 8845-3220A	88	19.4	223.8	205.7	222.6	217.4	--
Mean			20.2	250.3	212.6	254.8	239.3	233.8
CV (%)				5.2	7.0	5.2	3.6	--
LSD 0.05				20.1	24.2	21.1	13.8	--
LSD 0.10				16.8	20.2	17.6	11.6	--

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

<sup>2</sup>Average of all locations.

<sup>3</sup>Included as a check provided by collaborating growers.

**Table 8. 2018 Corn - Central Zone, Conventional and GMO, Cass County, Early Maturing ( ≤86).**

Authors, J. Ransom and D. Eisinger.

Company/Brand	Hybrid <sup>1</sup>	RM <sup>2</sup>	Grain	Grain
			Moisture	Yield
			(%)	(bu/a)
Channel	185-15VT2PRIB	85	17.3	257.8
Legacy	L-2817 VT2P	85	18.1	256.0
Integra	3629	85	17.2	255.3
Legacy	L-2546 RR2	85	18.8	254.3
Peterson	76Q86	86	18.5	252.2
Dairyland	EXP-08611	86	17.8	247.7
Dairyland	DS-9686	86	20.0	246.1
Dahlman	R43-29VT2PRIB	85	17.3	245.0
Integra	3577	86	19.3	241.5
<b>Renegade</b>	<b>REN EXP85</b>	<b>85</b>	<b>19.8</b>	<b>240.4</b>
Dairyland	DS-9085a	83	18.3	239.7
<b>Thunder</b>	<b>2784</b>	<b>84</b>	<b>19.2</b>	<b>238.1</b>
Dairyland	RPM-2918AM	85	17.5	236.3
Dairyland	DS-9085	85	19.2	235.7
Dekalb <sup>3</sup>	DKC 35-88	85	17.5	234.9
Legend	LR 9986	86	18.4	233.0
Dairyland	EXP-08407	84	18.1	232.5
Hefty	H3322 VT2P	83	18.9	224.4
Channel	182-09VT2PRIB	82	16.7	219.4
Dairyland	DS-9686a	86	18.1	219.1
Mean			18.3	240.5
CV (%)			3.7	5.2
LSD 0.05			1.1	20.1
LSD 0.10			0.9	16.8

<sup>1</sup>Conventional hybrids are indicated in bold.<sup>2</sup>Relative maturity as given by company.<sup>3</sup>Included as a check provided by a collaborating grower.

**Table 9. 2018 Corn - Central Zone, Conventional and GMO, Cass County, Late Maturing (≥87).**

Authors, J. Ransom and D. Eisinger.

Company/Brand	Hybrid <sup>1</sup>	RM <sup>2</sup>	Grain Moisture (%)	Grain Yield (bu/a)
Legend	LR 9990	90	20.0	275.0
Integra	4119	91	20.7	273.2
Legacy	L-3017 VT2P	90	19.0	270.9
<b>Renegade</b>	<b>R1-1592</b>	<b>92</b>	<b>18.9</b>	<b>268.4</b>
Peterson	74J89	89	18.6	268.3
<b>Integra</b>	<b>4342</b>	<b>93</b>	<b>19.4</b>	<b>260.8</b>
<b>Proseed</b>	<b>1191</b>	<b>91</b>	<b>19.0</b>	<b>258.3</b>
Legend	LR 9891	91	20.4	258.2
Channel	187-49VT2PRIB	87	17.8	258.1
Integra	3718	87	18.6	256.0
Integra	3922	89	18.4	252.8
Hefty	EXP9012 VT2P	90	20.3	252.7
Legacy	L-2847 VT2P	87	18.8	252.1
Dairyland	HiDF-3290-9	90	19.0	251.5
Dahlman	R45-28VT2PRIB	90	17.8	251.5
Hefty	H3922 VT2P	89	19.0	250.9
Proseed	1689	89	19.1	250.9
<b>Proseed</b>	<b>1689</b>	<b>89</b>	<b>19.6</b>	<b>249.5</b>
<b>Proseed</b>	<b>1687</b>	<b>87</b>	<b>19.4</b>	<b>248.8</b>
<b>Thunder</b>	<b>2889</b>	<b>89</b>	<b>21.2</b>	<b>248.7</b>
Legend	47J988	88	20.4	248.0
Dairyland	EXP-08907	89	18.6	247.8
<b>Thunder</b>	<b>3390</b>	<b>90</b>	<b>18.6</b>	<b>241.9</b>
Legacy	L-3117 VT2P	91	17.9	241.5
Channel	191-25VT2PRIB	91	20.4	239.6
Proseed	1591	91	17.8	239.2
Peterson	74Z87	87	17.3	234.8
Proseed	1787	87	18.1	230.9
NK <sup>3</sup>	NK 8845-3220A	88	19.4	223.8
Mean			19.1	251.9
CV (%)			3.7	5.2
LSD 0.05			1.1	20.1
LSD 0.10			0.9	16.8

<sup>1</sup>Conventional hybrids are indicated in bold.<sup>2</sup>Relative maturity as given by company.<sup>3</sup>Included as a check provided by a collaborating grower.

**Table 10. 2018 Corn - Average of North Locations (Grand Forks, Nelson, Ramsey and Marshall Counties), Early Maturing ( ≤82).  
Authors, J. Ransom and D. Eisinger.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain		Grain Yield				
			Moisture <sup>2</sup>		G. F.	Nelson	Ramsey	Marshall	Average
			(%)	------(bu/a)-----					
Stine	9140-G	82	22.6	189.5	258.7	221.0	244.1	228.3	--
Dairyland	EXP-07805	78	21.7	198.6	235.5	227.7	239.7	225.4	--
Channel	182-09VT2PRIB	82	20.5	177.9	237.5	235.0	228.4	219.7	--
Dairyland	DS-7781	81	20.7	172.7	260.0	212.8	226.5	218.0	--
REA	1B780	78	20.6	177.7	235.0	238.0	214.1	216.2	--
Partners	PB 5203 3000GT	80	22.4	187.0	242.2	198.0	228.3	213.9	212.0
Dekalb <sup>3</sup>	DK32-12	82	19.4	181.7	232.2	229.7	211.7	213.8	--
Legacy	L-1746 VT2P	76	20.1	180.8	212.1	220.6	234.8	212.1	205.5
Legacy	L-2245 VT2P	82	20.7	164.1	224.2	227.9	232.1	212.1	209.9
Dairyland	EXP-07806	78	20.8	163.7	229.5	217.3	237.0	211.9	--
Peterson	71V81	81	21.2	186.2	242.7	227.6	190.0	211.6	--
Peterson	78A82	82	21.0	181.2	210.5	224.7	229.7	211.5	212.9
Dairyland	EXP-07904	79	20.3	164.7	237.0	225.2	219.0	211.5	214.3
Legend	LR 9882	82	21.1	166.2	222.0	224.2	230.6	210.8	214.0
Dahlman	R41-22VT2PRIB	82	21.6	185.6	205.0	222.4	228.2	210.3	209.1
REA	1B811	81	20.5	185.9	211.6	224.5	209.6	207.9	206.8
Proseed	1382	82	22.7	165.3	212.7	205.3	236.4	204.9	199.4
Pioneer <sup>3</sup>	8234AM	82	20.8	154.5	212.6	218.3	228.0	203.4	--
Legend	LR 9778	78	20.4	149.9	205.8	218.8	226.6	200.3	205.3
Legacy	L-2213 VT2P	80	20.1	149.8	209.6	208.6	202.6	192.7	196.3
Hefty	H2802 VT2P	78	20.6	163.2	197.3	204.2	201.1	191.5	--
Legacy	L-1814 VT2P	78	20.2	151.1	192.2	203.8	203.0	187.5	195.7
Legacy	L-1713 RR2	76	19.5	166.2	191.1	200.4	186.2	186.0	--
Dairyland	DS-6378	78	20.4	159.2	214.6	161.4	195.7	182.7	--
Dairyland	RPM-1819AM	75	21.3	146.9	186.6	185.4	188.4	176.8	183.0
Mean			20.9	170.8	220.7	215.3	218.9	206.4	204.9
CV (%)				7.6	7.4	6.1	8.6	5.9	--
LSD 0.05				25.7	25.2	21.4	32.4	17.8	--
LSD 0.10				21.4	21.1	17.9	27.2	15.0	--

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

<sup>2</sup>Average of all locations.

<sup>3</sup>Included as a check provided by collaborating growers.

**Table 11. 2018 Corn - Average of North Locations (Grand Forks, Nelson, Ramsey and Marshall Counties), Late Maturing ( ≥83).**

Authors, J. Ransom and D. Eisinger.

Company/Brand	Hybrid	RM <sup>1</sup>	Grain		Grain Yield				
			Moisture <sup>2</sup>	(%)	G. F.	Nelson	Ramsey	Marshall	Average
Legacy	L-2817 VT2P	85	23.6	191.0	271.7	240.9	259.1	240.7	--
Channel	185-15VT2PRIB	85	23.4	192.2	239.4	259.9	254.1	236.4	234.3
REA	2B872	87	22.5	209.4	260.4	242.3	231.8	236.0	--
REA	2B861	86	22.5	199.2	240.3	253.2	240.7	233.4	--
Peterson	74Z87	87	23.2	179.4	257.1	247.4	239.7	230.9	--
Proseed	1483	83	22.4	191.2	246.9	243.8	236.6	229.6	219.2
Dahlman	R43-24VT2PRIB	86	23.8	190.8	242.3	235.7	243.2	228.0	--
Legacy	L-2314 VT2P	83	21.4	191.7	263.2	233.1	220.6	227.2	220.3
Proseed	1385	85	22.4	192.1	228.2	231.4	251.0	225.7	217.8
Dairyland	RPM-2918AM	85	22.5	174.6	250.8	229.4	244.0	224.7	--
Dairyland	DS-9686	86	22.1	180.0	230.3	240.3	239.1	222.4	219.1
Dairyland	DS-9085a	83	21.2	188.9	241.7	235.6	220.7	221.7	226.8
Croplan <sup>3</sup>	22-88	88	22.3	169.4	232.0	227.5	250.4	219.8	--
REA	2B840	84	22.5	178.7	237.5	235.0	225.3	219.1	223.4
Hefty	H3322 VT2P	83	22.5	152.4	229.8	236.7	246.7	216.4	--
Dairyland	DS-9085	85	21.9	154.6	244.6	223.3	233.3	214.0	--
Legend	LR 9583	83	20.9	187.7	215.5	238.6	209.9	212.9	--
Stine	9101-G	84	22.3	161.9	237.9	202.6	242.5	211.2	211.1
Dairyland	EXP-08407	84	21.6	162.2	241.1	215.5	217.8	209.2	209.6
Legend	40J684	84	22.6	185.4	235.1	200.7	210.2	207.9	--
Peterson	71D83	83	21.1	162.1	205.0	178.2	196.8	185.5	187.0
Mean			22.3	180.7	240.5	231.0	234.0	221.6	216.9
CV (%)				7.6	7.4	6.1	8.6	5.9	--
LSD 0.05				25.7	25.2	21.4	32.4	17.8	--
LSD 0.10				21.4	21.1	17.9	27.2	15.0	--

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

<sup>2</sup>Average of all locations.

<sup>3</sup>Included as a check provided by collaborating growers.

**Table 12. 2018 Corn - North Zone, Conventional and GMO, Grand Forks County, Early Maturing ( ≤82).**

Authors, J. Ransom and D. Eisinger.

Company/Brand	Hybrid <sup>1</sup>	RM <sup>2</sup>	Lodging <sup>3</sup> (%)	Grain Moisture (%)	Grain Yield (bu/a)
Dairyland	EXP-07805	78	3	19.5	198.6
Stine	9140-G	82	8	21.5	189.5
Partners	PB 5203 3000GT	80	0	21.8	187.0
Peterson	71V81	81	2	20.6	186.2
REA	1B811	81	0	20.6	185.9
Dahlman	R41-22VT2PRIB	82	5	21.4	185.6
Dekalb <sup>3</sup>	DK32-12	82	0	18.9	181.7
Peterson	78A82	82	8	20.4	181.2
Legacy	L-1746 VT2P	76	0	20.5	180.8
Channel	182-09VT2PRIB	82	0	19.7	177.9
REA	1B780	78	0	20.8	177.7
Dairyland	DS-7781	81	10	19.0	172.7
<b>Proseed</b>	<b>1381</b>	<b>81</b>	<b>2</b>	<b>21.3</b>	<b>167.7</b>
<b>Proseed</b>	<b>1681</b>	<b>81</b>	<b>8</b>	<b>25.2</b>	<b>166.7</b>
Legacy	L-1713 RR2	76	0	19.6	166.2
Legend	LR 9882	82	15	20.5	166.2
Proseed	1382	82	5	21.2	165.3
Dairyland	EXP-07904	79	5	18.9	164.7
Legacy	L-2245 VT2P	82	7	20.8	164.1
Dairyland	EXP-07806	78	0	17.5	163.7
Hefty	H2802 VT2P	78	0	19.7	163.2
Dairyland	DS-6378	78	10	19.7	159.2
Pioneer <sup>4</sup>	8234AM	82	0	18.9	154.5
Legacy	L-1814 VT2P	78	2	19.0	151.1
Legend	LR 9778	78	0	20.2	149.9
Legacy	L-2213 VT2P	80	0	19.7	149.8
Dairyland	RPM-1819AM	75	3	19.5	146.9
Mean			3	20.2	170.5
CV (%)				3.5	7.6
LSD 0.05				1.3	25.7
LSD 0.10				1.1	21.4

<sup>1</sup>Conventional hybrids are indicated in bold.<sup>2</sup>Relative maturity as given by company.<sup>3</sup>Mean of two replicates: No statistics were performed. This lodging was scored prior to harvest and was not related to greensnap.<sup>4</sup>Included as a check provided by a collaborating grower.

**Table 13. 2018 Corn - North Zone, Conventional and GMO, Grand Forks County, Late Maturing ( $\geq 83$ ).**

Authors, J. Ransom and D. Eisinger.

Company/Brand	Hybrid <sup>1</sup>	RM <sup>2</sup>	Lodging <sup>3</sup> (%)	Grain Moisture (%)	Grain Yield (bu/a)
REA	2B872	87	5	20.5	209.4
REA	2B861	86	13	21.6	199.2
Channel	185-15VT2PRIB	85	0	22.7	192.2
Proseed	1385	85	0	21.4	192.1
Legacy	L-2314 VT2P	83	13	20.6	191.7
Proseed	1483	83	18	20.5	191.2
Legacy	L-2817 VT2P	85	3	22.3	191.0
Dahlman	R43-24VT2PRIB	86	0	22.9	190.8
Dairyland	DS-9085a	83	15	20.4	188.9
Legend	LR 9583	83	18	19.9	187.7
Legend	40J684	84	13	23.3	185.4
Dairyland	DS-9686	86	12	21.4	180.0
Peterson	74Z87	87	5	22.0	179.4
REA	2B840	84	8	20.8	178.7
Dairyland	RPM-2918AM	85	3	22.0	174.6
<b>Proseed</b>	<b>1684</b>	<b>84</b>	<b>0</b>	<b>21.9</b>	<b>173.9</b>
Croplan <sup>4</sup>	22-88	88	0	20.6	169.4
Renegade	REN EXP85	85	3	21.4	165.1
Dairyland	EXP-08407	84	0	19.4	162.2
Peterson	71D83	83	0	20.2	162.1
Stine	9101-G	84	0	22.5	161.9
Dairyland	DS-9085	85	10	20.2	154.6
Hefty	H3322 VT2P	83	8	20.9	152.4
Mean			6	21.3	179.7
CV (%)				4	7.6
LSD 0.05				1.3	25.7
LSD 0.10				1.1	21.4

<sup>1</sup>Conventional hybrids are indicated in bold.<sup>2</sup>Relative maturity as given by company.<sup>3</sup>Mean of two replicates: No statistics were performed. This lodging was scored prior to harvest and was not related to greensnap.<sup>4</sup>Included as a check provided by a collaborating grower.

**Table 14. 2018 Corn - Dryland - Carrington - Authors, M. Ostlie, B. Schatz and T. Indergaard (Page 1 of 2).**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2018 (bu/a)	2-yr. Avg.
Proseed	1689	89	16.5	54.5	133.6	--
Thunder	6789	89	16.1	54.7	130.6	--
Rob-See-Co	RC3418-3220A	84	16.4	55.1	128.9	145.0
Integra	3537	85	16.8	55.3	126.5	139.9
NorthStar	NS 88-124	88	17.1	54.9	123.8	149.8
Dairyland	DS-9686	86	16.6	56.1	123.2	152.1
Thunder	6888	88	17.3	55.0	122.8	--
Frontiersmen	91-H2	91	17.2	54.7	120.0	--
Dairyland	DS-9085	85	16.5	55.5	119.0	--
Dyna-Gro	D27VC87	87	16.2	55.9	118.3	--
Proseed	1385	85	16.5	55.9	117.3	146.4
Frontiersmen	87-E7	87	16.0	55.7	116.6	145.0
NorthStar	NS 85-369	85	16.2	55.7	114.7	151.8
Legacy	L-2817	86	15.9	55.8	114.4	147.2
Proseed	1787	87	16.2	55.5	113.2	--
Peterson	71V81	81	16.4	54.8	112.3	--
Hefty	H3322	83	16.1	54.8	111.8	--
Proseed	1483	83	15.3	54.5	111.6	143.1
Integra	3629	86	16.4	55.1	111.5	--
NorthStar	NS 84-351	84	16.7	55.1	109.6	--
REA	1B780	79	16.0	54.0	109.1	--
Channel	182-09VT2P	82	15.1	54.7	109.0	--
Dairyland	DS-7781	81	16.2	54.3	108.2	--
Peterson	76Q86	86	16.6	53.1	107.8	--
Integra	3718	87	17.9	55.1	107.4	140.4
Dyna-Gro	D25VC66	85	16.6	55.5	107.3	--
Legacy	L-2847	87	16.7	54.8	106.6	142.3
Legacy	L-3017	90	16.9	54.2	106.3	145.9
Legacy	L-2916	88	16.4	53.5	105.1	139.0
Hefty	H3922	89	16.3	54.7	104.9	--
Dairyland	DS-9085a	83	15.5	54.1	104.5	--
REA	2B872	87	16.0	55.2	104.1	--
Dyna-Gro	D27VC47	87	15.7	54.4	104.0	--
Hefty	Exp9022	90	15.6	54.5	103.4	--
Thunder	4585	85	16.4	54.8	103.3	138.8
Legacy	L-3117	91	17.2	54.9	102.3	--
NorthStar	NS 87-545	87	15.7	55.3	100.5	140.1
NorthStar	NS 89-357	89	18.1	53.6	99.6	--
REA	2B861	86	16.4	54.7	99.1	132.8
Dairyland	ESP-08907	89	17.3	55.0	99.0	--
Integra	3282	82	16.2	55.6	98.2	--
Integra	3325	83	16.8	53.1	98.0	133.8
Innotech	IC 4016-3120	90	18.7	53.9	97.7	--
Proseed	1283	83	14.8	56.2	97.6	--
Thunder	6983	83	16.6	54.8	96.2	--
Dyna-Gro	D22VC62	82	16.0	55.7	95.9	--
Dairyland	DS-6378	78	15.5	53.7	92.4	--
Rob-See-Co	RC3601-3011A	86	15.5	55.7	91.9	134.1
Dairyland	RPM-2918AM	85	16.2	52.5	91.6	--
Mean			16.3	54.8	105.0	138.6
CV %			5.9	1.3	11.5	--
LSD 0.05			1.3	1.0	16.7	--
LSD 0.10			1.1	0.8	14.0	--

**Table 14. 2018 Corn - Dryland - Carrington - Authors, M. Ostlie, B. Schatz and T. Indergaard (Page 2 of 2).**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture	Weight	2018	2-yr. Avg.
			(%)	(lb/bu)	----- (bu/a) -----	
NorthStar	NS 86-194	86	16.4	55.0	90.9	128.6
Dairyland	EXP-08611	86	16.3	53.4	90.3	--
Thunder	6987	87	15.0	55.8	88.5	--
Thunder	6986	86	16.4	54.1	87.7	--
Thunder	6785	85	16.3	54.7	86.2	115.4
REA	1B811	81	15.9	55.7	78.2	111.9
Channel	187-49VT2P	87	15.8	54.5	77.6	126.9
Mean			16.3	54.8	105.0	138.6
CV %			5.9	1.3	11.5	--
LSD 0.05			1.3	1.0	16.7	--
LSD 0.10			1.1	0.8	14.0	--

Planting Date: May 3. Harvest Date: Oct. 16. Previous crop: spring wheat.

<sup>1</sup>Relative maturity as given by industry.**Table 15. 2018 Corn - Dryland - Conventional - Carrington - Authors, M. Ostlie, B. Schatz and T. Indergaard.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture	Weight	2018	2-yr. Avg.
			(%)	(lb/bu)	----- (bu/a) -----	
Proseed	1687	87	15.6	55.8	189.9	--
Proseed	1689	89	16.0	54.4	181.8	--
Dairyland	DS-1686	86	15.7	55.4	178.2	--
Proseed	1681	81	15.1	56.4	168.1	--
Dyna-Gro	D25CC75	85	15.7	56.2	167.7	--
Rob-See-Co	RC3601-Artesian	86	15.8	56.1	165.3	--
Dairyland	DS-1091	91	15.6	56.1	164.8	155.8
Thunder	2889	89	15.7	54.3	162.2	--
Proseed	1684	84	14.9	53.7	161.7	--
Thunder	2784	84	15.5	55.1	159.7	
Proseed	1083	83	16.0	54.3	158.4	153.7
Thunder	2784	84	15.6	55.0	151.6	151.2
Mean			15.6	55.2	166.7	153.6
CV %			4.2	1.8	14.5	--
LSD 0.05			NS	1.4	NS	--
LSD 0.10			NS	1.2	NS	--

Planting Date: May 4. Harvest Date: Nov. 9. Previous crop: spring wheat.

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

**Table 16. 2018 Corn - Fingal (Carrington REC) - Authors, M. Ostlie, B. Schatz and T. Indergaard.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture	Weight	2018	2-yr. Avg.
			(%)	(lb/bu)	----- (bu/a) -----	
Dairyland	RPM-3715AM	96	18.2	52.2	309.3	--
Legacy	L-3617	96	17.9	51.9	301.6	--
Channel	194-49DGVT2P	94	18.5	52.7	299.4	--
Channel	191-25VT2P	91	17.8	52.9	295.4	--
Dairyland	DS-7294a	94	20.3	51.6	291.3	--
Dyna-Gro	D34VC54	94	18.3	52.0	291.1	--
Peterson	74J89	89	18.1	53.5	290.9	--
Legacy	L-3017	90	18.0	52.9	290.6	249.6
Peterson	74Z87	87	17.8	54.9	290.0	--
Dairyland	RPM-3519AM	96	18.4	54.2	288.2	--
REA	3B902	90	17.6	52.8	287.8	--
Peterson	72A91	91	17.9	53.8	287.1	237.3
REA	3B891	89	18.8	53.0	286.7	--
Legacy	L-3517	95	18.9	52.0	286.0	239.9
Dairyland	ESP-08907	89	18.2	54.7	284.5	--
Integra	4119	91	18.3	53.0	282.7	--
Legacy	L-3117	91	18.6	53.1	280.8	--
REA	3D910	91	17.8	53.3	279.6	--
Integra	3718	87	18.1	54.1	278.2	--
Integra	3839	88	18.1	54.0	278.1	--
Legacy	L-3416	94	18.8	52.3	278.1	242.0
Dairyland	DS-9686	86	18.5	54.9	276.8	227.4
REA	2B861	86	17.8	54.7	275.1	241.0
Proseed	1689	89	18.5	53.5	272.8	--
Integra	3629	86	18.1	54.6	271.4	--
Proseed	1790	90	18.8	52.5	270.4	--
Dyna-Gro	D27VC87	87	17.7	54.6	267.4	--
REA	2B872	87	17.4	55.3	266.8	--
Channel	189-03VT2P	89	17.4	54.4	263.7	--
Dyna-Gro	D28SS36	88	18.3	52.9	263.2	--
Dairyland	DS-9085	85	18.3	54.1	261.3	--
Dyna-Gro	D32VC41	92	18.2	52.6	259.4	--
Dairyland	DS-7294	93	18.3	53.6	254.6	230.3
Mean			18.2	53.4	280.7	238.2
CV %			4.7	1.4	8.2	--
LSD 0.05			1.2	1.1	NS	--
LSD 0.10			1.1	0.9	NS	--

Planting Date: May 16. Harvest Date: Nov. 14 and 19. Previous crop: soybean.

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

**Table 17. 2018 Corn - Irrigated - Carrington - Authors, M. Ostlie, B. Schatz and T. Indergaard.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain Moisture (%)	Test Weight (lb/bu)	Grain Yield	
					2018	2-yr. Avg.
					------(bu/a)-----	
REA	3B891	89	19.9	53.7	277.4	--
Integra	3718	87	20.0	53.3	269.3	252.9
Legacy	L-3017	90	20.0	53.4	269.1	258.6
Legacy	L-2847	87	20.2	53.3	266.1	243.2
Thunder	6888	88	19.8	53.0	262.6	--
Peterson	75K85	85	20.0	54.3	260.1	234.6
Integra	3537	85	20.2	54.1	259.9	232.9
Thunder	4585	85	19.5	54.7	258.1	--
Thunder	6789	89	20.4	53.2	257.7	--
REA	2B872	87	19.5	54.9	257.3	--
Dairyland	DS-9686a	86	20.3	54.1	256.6	--
Rob-See-Co	RC3601-3011A	86	20.9	54.2	253.8	246.2
Innotech	IC 4016-3120	90	21.1	52.6	253.0	--
Legacy	L-3117	91	20.3	53.0	249.2	--
Dyna-Gro	D27VC87	87	19.0	54.8	247.5	--
Peterson	76Q86	86	19.1	53.3	246.2	--
REA	2B861	86	20.6	53.3	245.8	227.9
Dairyland	DS-9085	85	20.3	54.7	243.3	--
Peterson	71V81	81	18.9	55.0	242.4	--
Dairyland	ESP-08907	89	21.0	53.2	241.0	--
Dairyland	EXP-08611	86	19.6	52.9	237.8	--
Thunder	6785	85	19.6	54.7	237.8	--
Dairyland	RPM-2918AM	85	20.4	52.8	237.7	--
Legacy	L-2817	86	19.4	54.4	236.3	234.6
Thunder	6987	87	19.7	54.2	236.1	--
Thunder	6986	86	20.5	52.8	234.8	--
Proseed	1787	87	20.2	53.7	233.8	--
Dyna-Gro	D27VC47	87	20.0	54.2	233.2	--
Rob-See-Co	RC3418-3220A	84	19.4	54.8	232.4	217.0
Legacy	L-2916	88	19.4	54.2	229.9	226.0
Proseed	1689	89	19.5	53.9	229.0	--
Proseed	1385	85	19.2	55.0	225.7	219.2
Dairyland	EXP-08407	84	19.3	54.7	215.3	--
Proseed	1483	83	19.6	54.7	208.5	213.2
Dairyland	DS-7781	81	19.0	54.3	199.0	--
Peterson	71D83	83	19.1	55.5	197.8	193.8
Proseed	1283	83	18.8	55.9	180.4	--
Dairyland	DS-6378	78	19.7	53.7	165.9	--
Mean			19.8	54.0	239.0	222.2
CV %			3.5	1.5	7.5	--
LSD 0.05			1.0	1.2	25.2	--
LSD 0.10			0.8	1.0	21.1	--

Planting Date: May 7. Harvest Date: Nov. 20. Previous crop: faba bean.

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

**Table 18. 2018 Corn - Oakes (Carrington REC) - Authors, K. Cooper, H. Eslinger and S. Nelson.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2018 ------(bu/a)-----	2-yr. Avg.
Dairyland	RPM-3519AM	96	18.2	59.2	242.0	--
Legacy	L-3718	98	17.9	56.2	233.2	--
Thunder	6999	99	17.3	56.8	231.0	--
Channel	194-49DGVT2P	94	18.0	57.0	230.9	--
Proseed	16101	101	19.3	55.3	230.5	208.1
Dyna-Gro	D39DC43	99	20.5	53.8	229.5	--
Dairyland	DS-7294a	94	19.2	56.3	227.3	205.5
Frontiersmen	95-M9	95	18.6	55.7	225.5	--
Thunder	6794	94	19.1	56.0	225.2	--
Dairyland	RPM-4019AM	99	20.7	52.9	225.0	--
Legacy	L-4118	100	18.0	56.6	224.0	--
Channel	201-05DGVT2P	101	19.3	55.2	223.5	--
Dyna-Gro	D37VC64	97	17.8	56.7	223.3	--
Channel	197-90VT2P	97	17.4	57.2	222.6	--
REA	3B923	92	17.9	56.1	222.2	--
Legacy	L-3517	95	17.3	56.7	221.9	205.4
Proseed	1598	98	18.1	55.9	221.8	206.1
Thunder	6996	96	18.2	57.2	221.7	--
Integra	4782	98	18.4	56.0	221.6	--
Legacy	L-3712	96	18.4	56.9	221.4	209.4
Innotech	IC4521-3110A	95	18.2	56.7	219.5	206.4
Peterson	79N94	94	17.8	55.4	217.9	--
Rob-See-Co	RC4343-3220A	93	18.6	56.2	217.9	--
Integra	4509	95	19.0	55.3	217.7	--
REA	3D910	91	16.5	57.0	217.3	--
Legacy	L-3617	96	18.2	56.2	216.4	--
Dyna-Gro	D34VC54	94	18.2	56.7	216.2	--
Dairyland	EXP-09804	98	18.8	53.5	215.2	--
Innotech	IC 4016-3120	90	17.9	56.5	215.1	--
Frontiersmen	97-R8	97	17.5	56.3	214.9	201.6
Proseed	1794	94	18.4	55.9	214.6	--
Dairyland	DS-7101	101	20.0	55.2	212.7	--
Frontiersmen	94-D7	94	18.1	56.4	211.3	205.8
Rob-See-Co	RC4848-3000GT	98	19.1	55.4	210.8	--
Dairyland	RPM-3518AM	96	19.2	56.7	204.3	--
Peterson	78B98	98	18.6	55.7	203.9	207.5
Thunder	6798	98	17.7	55.4	201.2	199.7
REA	3B924	92	17.3	56.7	195.5	--
Mean			18.4	56.1	219.6	205.5
CV %			3.5	1.0	5.9	--
LSD 0.05			0.9	0.8	18.1	--
LSD 0.10			0.8	0.6	15.1	--

Planted: May 9 and 10. Harvested: Oct. 29 and 30. Previous crop: soybean.

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

**Table 19. 2018 Corn - Irrigated - Oakes (Carrington REC) - Authors, K. Cooper, H. Eslinger and S. Nelson.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture	Weight	2018	2-yr. Avg.
			(%)	(lb/bu)	------(bu/a)-----	
Thunder	6999	99	18.4	55.4	285.3	--
Dairyland	EXP-09804	98	18.7	53.9	275.4	--
Legacy	L-3718	98	18.8	55.4	270.6	--
Dairyland	RPM-4019AM	99	20.2	53.6	269.8	--
Dairyland	RPM-3715AM	96	19.2	54.0	268.9	--
REA	4B973	97	18.1	56.7	268.4	274.3
Proseed	1598	98	18.0	55.9	266.1	277.7
Dyna-Gro	D37VC64	97	18.4	56.0	262.8	--
Legacy	L-4118	100	17.7	56.4	261.5	--
Thunder	6996	96	17.6	57.6	261.3	--
Channel	197-90VT2P	97	17.2	57.5	260.5	--
REA	5D023	102	20.1	54.0	259.9	--
Rob-See-Co	RC4688-3120	96	17.7	57.3	259.1	--
Dairyland	RPM-3518AM	96	19.9	55.8	259.0	--
Channel	201-28VT2P	101	17.7	56.6	258.1	282.8
Integra	4782	98	18.3	56.0	254.2	--
Thunder	6798	98	17.4	56.3	253.9	--
REA	4B965	97	18.9	56.0	253.3	--
Peterson	78B98	98	19.0	55.7	251.4	267.9
Proseed	16101	101	20.5	54.8	250.5	277.4
Legacy	L-3617	96	17.3	57.1	249.7	--
Integra	4509	95	18.8	55.6	249.0	--
Dyna-Gro	D39DC43	99	19.6	55.1	244.7	--
Innotech	IC4521-3110A	95	17.8	57.7	241.9	262.8
Channel	194-49DGVT2P	94	18.7	56.5	241.1	--
Dairyland	DS-7294a	94	18.9	56.6	240.8	269.7
Legacy	L-3517	95	17.9	57.2	240.8	269.7
Dyna-Gro	D34VC54	94	18.3	56.0	239.2	--
Rob-See-Co	RC4343-3220A	93	18.4	57.3	238.6	--
Peterson	76Y96	96	18.3	56.7	238.4	--
REA	5A983	98	18.0	58.1	237.6	--
Dairyland	RPM-3519AM	96	18.3	58.3	234.9	--
Innotech	IC4759-3110	97	18.1	57.4	233.9	--
Legacy	L-3712	96	18.6	56.0	233.0	254.4
Dairyland	DS-7802PRE	102	20.1	55.2	230.1	--
Thunder	6794	94	19.0	55.7	228.6	--
REA	3B902	90	17.4	56.3	227.4	--
Peterson	76S92	92	18.0	57.0	222.9	242.8
Proseed	1794	94	18.5	55.7	220.8	--
Dairyland	DS-7101	101	19.4	56.3	220.5	--
Peterson	79N94	94	18.1	55.7	217.8	--
REA	3B923	92	17.9	56.7	205.5	--
Mean			18.5	56.2	247.3	267.9
CV %			3.1	1.3	8.2	--
LSD 0.05			0.8	1.0	28.2	--
LSD 0.10			0.7	0.9	23.6	--

Planted: May 11. Harvested: Oct. 31. Previous crop: soybeans.

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

**Table 20. 2018 Corn - Dryland - Langdon - Authors, B. Hanson, T. Hakanson and L. Henry.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2018	2-yr. Avg.
					----- (bu/a) -----	
Hefty	H3022VT2P	80	31.4	53.3	140.8	--
Proseed	1879	79	32.1	53.3	135.9	--
REA	1B780	79	30.9	52.8	134.5	--
NuTech/G2	E5BN-A978	78	33.0	51.3	132.2	--
NuTech/G2	E5GN-A278	78	34.9	51.8	131.0	--
Allegiant	7914 VT2P	79	29.8	54.9	130.2	--
Proseed	1480	80	31.0	54.3	128.7	158.7
Thunder	6782 VT2P	81	32.1	53.2	128.1	--
Hefty	H2922VT2P	79	30.3	54.0	127.6	--
Channel	182-09VT2PRIB	81	30.4	52.9	126.7	--
Peterson	71D83	81	34.5	52.6	126.0	150.3
Legacy	L-2213 VT2PRO	80	31.1	54.0	125.6	146.8
Thunder	6880 VT2P	80	29.5	55.0	125.2	--
NuTech/G2	5F-379	79	29.6	51.9	124.3	154.2
Legacy	L-1814 VT2P	78	29.3	55.1	124.0	154.5
Pioneer	P7227R	72	25.2	53.3	123.9	154.7
Proseed	1378	78	30.9	53.0	119.9	147.6
Integra	CX801079	80	31.6	53.6	119.8	--
NuTech/G2	5F-775	75	30.1	51.5	119.7	154.6
Legacy	L-1746 VT2P	75	30.9	53.4	117.3	143.7
REA	1B811	81	30.4	53.5	116.3	--
Channel	176-02 VT2PRIB	76	30.0	54.0	115.3	--
Hefty	H2802VT2P	78	30.9	52.6	113.7	--
Pioneer	P7332R	73	26.4	53.3	112.8	145.8
REA	1B720	72	24.8	57.0	109.3	--
Allegiant	7868 VT2P	78	29.8	52.4	109.0	144.3
Legacy	L-1713 RR2	77	29.2	53.6	108.6	148.7
Integra	2601 VT2PRIB	76	30.4	54.3	107.0	141.3
Thunder	4578 RR	78	29.2	53.9	105.8	143.3
Integra	2803 VT2PRIB	78	31.1	52.0	105.4	131.8
Thunder	6874 VT2P	74	29.1	56.6	105.0	128.0
Allegiant	7404 VT2P	74	28.1	56.1	96.0	125.1
Integra	2508R	75	30.1	55.8	78.0	115.6
Mean			30.2	53.7	118.6	--
CV %			4.3	1.5	8.6	--
LSD 0.05			2.1	1.3	16.6	--
LSD 0.10			1.8	1.1	13.9	--

Planted: May 10. Harvested: Oct. 17.

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

**Table 21. 2018 Corn - Minot (North Central REC) - Authors, E. Eriksmoen, J. Effertz and A. Kraklau.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture	Weight	2018	2-yr. Avg.
			(%)	(lb/bu)	----- (bu/a) -----	
Legacy	L-2314 VT2P	83	26.6	59.7	81.8	122.9
Peterson	71V81	81	22.9	57.7	77.9	--
Thunder	6983 VT2P	83	26.4	60.7	77.2	--
Hefty	H2922	79	19.5	56.1	77.0	--
Dairyland	RPM-2918AM	85	24.1	55.0	77.0	--
Integra	3537 VT2PRIB	85	31.2	63.4	75.2	109.1
Thunder	6782 VT2P	81	27.4	62.3	74.8	--
Dairyland	DS-9085a	83	20.0	55.1	74.1	106.0
Thunder	6880 VT2P	80	21.6	58.9	73.6	99.3
Integra	3325 Av-3010A	83	27.1	58.6	73.6	--
REA	2B861	86	29.8	61.5	73.5	--
Legacy	L-1746 VT2P	75	20.3	57.4	72.5	98.7
Dairyland	RPM-1819AM	75	20.6	55.4	70.8	104.9
Legacy	L-2245 VT2P	82	25.3	60.7	69.9	104.9
Dairyland	DS-9686a	86	23.8	59.3	68.5	106.3
Thunder	4383 VT2P	83	22.0	58.5	68.4	98.7
REA	1B780	79	24.1	59.1	68.4	--
Hefty	H3202	82	24.4	58.5	68.2	99.1
Legacy	L-1814 VT2P	78	22.6	59.0	68.2	105.6
Proseed	1378	78	22.7	58.8	68.0	99.5
Legacy	L-2213 VT2P	80	21.3	57.1	67.6	103.3
Proseed	1480	80	24.8	61.3	67.0	104.0
Hefty	H3122	81	26.4	61.5	65.7	--
Integra	3282	82	28.3	62.7	64.4	--
Hefty	H3322	83	27.8	61.1	64.0	--
Proseed	1879	79	23.3	58.7	62.9	--
Integra	2601 VT2PRIB	76	23.3	60.4	62.6	91.3
Legacy	L-2516 VT2P	84	29.7	61.6	62.6	107.3
Hefty	H3302	83	30.8	62.9	61.9	103.9
Thunder	4578 RR	78	20.1	57.0	61.6	93.8
Hefty	H3712	87	29.2	62.1	60.6	--
Thunder	6874 VT2P	74	19.0	58.0	59.1	89.6
Peterson	78A82	82	30.2	64.2	58.7	97.4
REA	1B811	81	20.9	58.1	58.4	--
Integra	2803	78	21.4	57.0	58.0	96.0
Peterson	71D83	81	25.7	60.2	58.0	88.0
Hefty	H3022	80	23.5	57.7	58.0	--
Hefty	H2802	78	24.2	59.5	58.0	90.0
Hefty	H3502	85	28.3	60.0	57.4	97.7
Mean			24.0	59.1	68.0	99.8
CV %			10.2	3.1	10.7	--
LSD 0.05			4	3	11.6	--
LSD 0.10			3	2.5	9.7	--

Planted: May 15. Harvested: Oct. 11. The 2018 trial sustained severe drought.

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

**Table 22. 2018 Corn - Irrigated - Williston - Authors, J. Jacobs and T. Tjelde.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2018 ------(bu/a)-----	2-yr. Avg.
Hefty	H3902VT2PRIB	89	20.2	50.3	225.9	--
REA Hybrid	2B861	86	19.6	51.1	223.9	227.8
Rob-See-Co	RC 3601	86	20.0	52.1	215.0	--
Innotech	IC 2737	77	19.7	53.2	207.0	--
Hefty	H3302VT2PRIB	83	18.9	52.8	204.4	--
Hefty	H4102VT2PRIB	91	24.5	47.5	201.0	--
REA Hybrid	1B780	79	18.5	52.4	198.3	--
Hefty	H3712VT2PRIB	87	20.7	49.0	197.3	--
Hefty	H4012VT2PRIB	90	24.6	47.0	195.7	--
Hefty	H4612VT2PRIB	96	24.3	50.6	192.3	--
Integra	3282 VT2PRO	82	18.9	51.8	189.1	--
REA Hybrid	1B811	81	18.3	53.5	188.8	208.1
REA Hybrid	2B872	86	18.7	51.8	188.6	--
Integra	3537 VT2PRIB	85	19.6	50.4	187.2	--
Innotech	IC 3041	80	19.4	55.5	182.7	--
Integra	CX802079 (exp)	80	18.2	54.2	179.4	--
Hefty	H2802VT2PRIB	78	18.6	52.4	174.0	--
Hefty	H2602VT2PRIB	76	18.2	55.5	172.0	--
Hefty	H2512VT2PRIB	75	19.6	56.1	169.0	--
Rob-See-Co	RC3418	84	21.2	49.1	155.1	--
Mean			20.1	51.9	190.7	208.1
CV %			10.2	4.0	12.1	--
LSD 0.05			2.9	3.0	32.9	--
LSD 0.10			2.4	2.5	27.5	--

Planted: May 21. Harvested: Nov. 20. Previous crop: barley.

<sup>1</sup>Relative maturity as given by industry.**Table 23. 2018 Corn - Hettinger - Author, J. Rickertsen.**

Company/Brand	Hybrid	RM <sup>1</sup>	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2018 ------(bu/a)-----	2-yr. Avg.
Proseed	1483	83	16.4	53.4	117.5	88.2
Legacy	L-2546	85	20.0	56.3	116.8	--
Proseed	1787	87	17.6	53.4	115.4	--
Legend	40J684	87	20.8	55.0	114.5	--
Legend	LR 9990	83	22.6	50.7	114.0	--
Proseed	1487	87	18.3	53.1	114.0	--
Integra	3718	90	20.9	52.6	113.4	--
Legacy	L-2847	83	19.0	51.8	112.6	85.1
Proseed	1480	80	17.1	54.1	112.5	79.8
Integra	3282	83	17.7	53.1	111.4	--
Integra	3325	84	18.7	54.0	110.9	84.8
Legacy	L-2314	87	17.2	53.6	110.9	--
Integra	3537	86	17.7	52.1	110.8	83.4
Legend	LR 9583	83	17.3	51.9	110.8	--
Legacy	L-2516	82	17.2	51.9	97.9	81.7
Legend	LR 9986	85	18.0	52.0	90.1	--
Proseed	1384	84	18.2	54.8	89.5	71.6
Mean			18.5	53.2	109.6	82.1
CV %			7.8	2.2	12.1	--
LSD 0.05			2.1	1.9	19.1	--
LSD 0.10			1.7	1.6	15.9	--

Planted: May 22. Harvested: Oct. 30. Previous crop: spring wheat.

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

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

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