

North Dakota Corn Hybrid Trial Results for 2016

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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 and 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 2016

In 2016, the area of corn harvested in North Dakota was 3.5 million acres, up significantly from the 2.75 million acres harvested in 2015. The average yield for the state in 2016 was estimated at 154 bushels per acre, up significantly from the 128 bushels per acre recorded in 2015. This represents the highest yield per acre ever reported for North Dakota and is well above the trend line for yield.

Conditions were favorable for early planting in 2016, with most of the corn planted by mid-May. Growing degree accumulations were generally above normal for most of the season. A timely rainfall during grain-filling favored high yield development. The above-average temperatures in October and early November facilitated field drying and timely 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 differences (LSDs) 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 2016 NDSU Corn Hybrid Trials

<u>Company</u>	<u>Abbreviated</u>	<u>Website</u>
AgVenture	AgVenture	www.agventure.com
Channel	Channel	www.channelbio.com
Croplan Genetics	Croplan	www.winfield.com
Dahlman	Dahlman	www.dahlmanseed.com
Dairyland Seed	Dairyland	www.dairylandseed.com
DEKALB	Dekalb	www.dekalb.com
Funk's Frontiersman	Frontiersman	http://frontiersmen.ag/
Hefty	Hefty	www.heftyseed.com
Integra Fortified Seed	Integra	www.integraseed.com
Latham	Latham	www.lathamseeds.com
Legacy Seeds	Legacy	www.legacyseeds.com
Legend Seeds	Legend	www.legendseeds.net
NorthStar Genetics/Viking Seed	NorthStar/Viking	www.northstargenetics.com
NuTech Seed/G2 Genetics	NuTech/G2	www.nutechseed.com
Partners Brand	Partners	www.partnersbrandseed.com
Peterson Farms Seed	Peterson	www.petersonfarmsseed.com
Pioneer	Pioneer	www.pioneer.com
Producers Hybrids	Producers	www.producershybrids.com
Proseed	Proseed	www.proseed.net
REA Hybrids	REA	www.rea-hybrids.com
Renegade	Renegade	www.mkap.com
Renk Seed	Renk	www.renkseed.com
Rob-See-Co	Rob-See-Co	www.robseeco.com
Syngenta/NK	Syng/NK	www.syngenta.com
Thunder Seed	Thunder	www.thunderseeds.com
Wensman	Wensman	www.wensmanseed.com

**Table 2. 2016 Corn - Average of Southern Locations (Ransom, Richland and Sargent Counties), Early Maturing (≤93).
Authors, J. Ransom, G. Mehring and D. Eisinger.**

Company/Brand	Hybrid	RM ¹	Grain Moisture ² (%)	Grain Yield				
				Ransom	Richland	Sargent	3-site Average ³	2-year Average
				------(bu/a)-----				
REA	3B922 RIB	92	17.7	250.4	266.0	255.0	257.1	--
Channel	193-53VT2PRIB	93	18.3	250.7	267.7	248.5	255.6	--
REA	4B931 RIB	93	18.9	255.0	257.9	249.4	254.1	--
Peterson	PFS76S92	92	18.2	243.9	270.3	243.7	252.6	245.3
Thunder	7993 VT2P	93	18.2	242.6	265.4	245.4	251.1	232.7
NuTech	5B-293	93	19.3	243.9	258.8	245.7	249.4	--
Wensman	W80928VT2RIB	92	17.9	242.5	266.3	238.5	249.1	--
Thunder	6791 VT2P	91	17.8	247.7	256.2	242.5	248.8	--
Legacy	L-3115 VT2PRO	92	17.7	235.8	261.1	249.5	248.8	234.7
Dekalb	DKC 39-28 RIB	89	17.6	245.3	254.9	240.0	246.8	--
Dahlman	R46-27VT2PRIB	92	18.3	240.0	250.2	243.5	244.6	235.7
Legacy	L-2916 VT2PRO	88	17.6	242.5	253.8	236.4	244.2	--
Legend	LR 9691 VT2PRIB	91	17.8	240.7	260.3	230.7	243.9	--
Proseed	1392 VT2P	92	18.2	247.5	257.0	223.7	242.7	234.5
Channel	189-03VT2PRIB	89	16.9	243.5	246.9	232.7	241.0	231.6
Proseed	1492 SS	92	18.2	231.5	256.7	233.1	240.5	--
Dairyland	DS-9593	93	18.0	243.8	248.8	216.3	236.3	222.0
Proseed	1193 Vt3P	93	18.3	224.1	249.1	228.5	233.9	--
Legend	LR 97A89 3011	89	18.3	231.1	233.2	233.1	232.5	--
NuTech/G2	X5Z-9103	91	17.6	231.6	245.4	215.4	230.8	--
Legacy	L-2924 VT2PRO	89	18.0	230.1	233.8	218.0	227.3	209.1
REA	2A871 RIB	87	18.6	222.8	243.3	208.9	225.0	--
Thunder	7188 VT2P	88	17.6	221.5	238.2	213.7	224.5	220.0
Mean			18.0	239.5	254.0	234.4	242.6	229.5
CV (%)			1.9	4.1	6.2	5.1	3.9	--
LSD 0.05			0.5	14.7	22.1	17.7	15.2	--
LSD 0.10			0.4	12.2	18.4	14.7	12.8	--

¹Relative maturity as given by industry.

²Average of all locations.

³Combined means may not equal numeric means of individual location as statistical methods were used for the combined analysis that adjusted means to account for within and between trial variability.

**Table 3. 2016 Corn - Average of Southern Locations (Ransom, Richland and Sargent Counties), Late Maturing (≥ 94).
Authors, J. Ransom, G. Mehring and D. Eisinger.**

Company/Brand	Hybrid	RM ¹	Grain Moisture ² (%)	Grain Yield				
				Ransom	Richland	Sargent	3-site Average ³	2-year Average
				------(bu/a)-----				
NuTech/G2	5F-198	98	19.8	265.1	270.3	252.8	262.7	--
Dahlman	R47-24VT2PRIB	94	18.7	257.0	273.4	254.1	261.5	--
NuTech/G2	5F-196	96	19.5	259.9	285.0	239.0	261.3	--
Channel	195-18VT2PRIB	95	20.2	254.7	264.2	254.4	257.8	--
Peterson	PFS77P94	94	19.0	253.5	266.4	251.1	257.0	--
REA	5A992 RIB	98	20.9	236.0	272.5	262.2	256.9	--
Thunder	4695 RR	95	19.1	245.6	277.5	247.2	256.8	--
Dekalb	DKC 47-27 RIB	97	18.6	251.9	268.3	247.2	255.8	--
Legacy	L-3712 VT3PRO	96	19.3	243.0	278.4	245.8	255.7	247.1
Legacy	L-3416 VT2PRO	94	18.9	256.6	268.0	242.4	255.7	--
Legend	LR 9397 VT2PRIB	97	20.2	240.7	272.6	252.8	255.4	--
REA	4B941 RIB	94	19.3	249.8	269.9	240.5	253.4	--
REA	4B953 RIB	95	19.6	245.0	276.5	237.8	253.1	--
Legacy	L-3715 GENSS	96	19.5	248.7	264.9	243.3	252.3	--
Wensman	W90941STXRIB	94	19.1	244.3	258.6	252.3	251.7	244.4
Wensman	W90962STXRIB	96	19.0	240.7	260.2	250.6	250.5	239.7
Channel	197-50VT2PRIB	97	20.1	235.5	273.1	242.4	250.3	--
REA	4A962 RIB	96	18.8	243.8	262.0	240.5	248.8	--
NuTech	X5N-9901	99	20.8	253.9	258.1	225.6	245.9	--
Dairyland	DS-7294	94	18.8	245.9	256.6	232.3	245.0	--
Proseed	1495 SS	95	19.4	234.9	257.6	242.2	244.9	--
Dairyland	DS-9599	99	20.9	243.6	261.1	229.7	244.8	--
NuTech/G2	X5Z-9501	95	19.1	249.5	250.4	234.4	244.7	--
Legend	LR 9697 VT2PRIB	97	20.7	224.8	277.2	229.3	243.7	--
Pioneer	P9526AM	95	18.5	244.8	260.0	225.5	243.4	--
Peterson	PFS81W95	95	18.2	234.3	257.7	233.0	241.7	--
Mean			19.5	246.3	266.9	242.6	252.0	243.7
CV (%)			1.9	4.1	6.2	5.1	3.9	--
LSD 0.05			0.5	14.7	22.1	17.7	15.2	--
LSD 0.10			0.4	12.2	18.4	14.7	12.8	--

¹Relative maturity as given by industry.

²Average of all locations.

³Combined means may not equal numeric means of individual location as statistical methods were used for the combined analysis that adjusted means to account for within and between trial variability.

Table 4. 2016 Corn - South Zone, Conventional and GMO, Sargent County, Early Maturing (≤ 93).

Authors, J. Ransom, G. Mehring and D. Eisinger.

Company/Brand	Hybrid ¹	RM	Grain	Test	Grain Yield
			Moisture	Weight	
			(%)	(lb/bu)	(bu/a)
Renegade	R1-1592	92	17.9	57.7	261.6
REA	3B922 RIB	92	17.0	58.9	255.0
Legacy	L-3011	90	18.4	58.8	250.9
Legacy	L-3043	93	18.3	57.3	250.9
Legacy	L-3115 VT2PRO	92	17.2	58.2	249.5
REA	4B931 RIB	93	18.5	56.7	249.4
Channel	193-53VT2PRIB	93	18.0	57.5	248.5
NuTech	5B-293	93	18.7	58.6	245.7
Thunder	7993 VT2P	93	17.8	58.8	245.4
Peterson	PFS76S92	92	17.6	58.9	243.7
Partners	PB6358	93	18.9	58.3	243.6
Dahlman	R46-27VT2PRIB	92	18.0	58.3	243.5
Thunder	3390 CONV	90	17.0	58.8	243.5
Thunder	6791 VT2P	91	17.3	58.3	242.5
Partners	PB6255	92	17.7	57.7	241.6
Dekalb	DKC 39-28 RIB	89	17.4	58.1	240.0
Wensman	W80928VT2RIB	92	17.3	66.9	238.5
Legacy	L-2916 VT2PRO	88	16.9	58.6	236.4
Proseed	1492 SS	92	17.4	57.5	233.1
Legend	LR 97A89 3011	89	17.7	59.4	233.1
Channel	189-03VT2PRIB	89	16.3	58.7	232.7
Legend	LR 9691 VT2PRIB	91	17.2	57.7	230.7
Dairyland	DS-1091	91	18.8	59.9	230.4
Proseed	1193 Vt3P	93	18.3	57.2	228.5
Proseed	1392 VT2P	92	17.8	57.7	223.7
Legacy	L-2924 VT2PRO	89	17.0	58.2	218.0
Dairyland	DS-9593	93	17.6	54.2	216.3
NuTech/G2	X5Z-9103	91	16.9	58.1	215.4
Thunder	7188 VT2P	88	16.8	59.6	213.7
REA	2A871 RIB	87	18.0	58.6	208.9
Mean			17.7	58.4	237.1
CV (%)			3.2	1.8	5.1
LSD 0.05			1.1	1.8	17.7
LSD 0.10			1.0	3.3	14.7

¹Conventional hybrids are indicated in bold.

Table 5. 2016 Corn - South Zone, Conventional and GMO, Sargent County, Late Maturing (≥ 94).

Authors, J. Ransom, G. Mehring and D. Eisinger.

Company/Brand	Hybrid ¹	RM	Grain	Test	Grain Yield
			Moisture (%)	Weight (lb/bu)	
NuTech/G2	5F-196	96	20.7	56.3	285.0
Legacy	L-3712 VT3PRO	96	19.8	55.5	278.4
Thunder	4695 RR	95	20.3	55.8	277.5
Legend	LR 9697 VT2PRIB	97	21.3	54.6	277.2
REA	4B953 RIB	95	21.2	56.3	276.5
Dahlman	R47-24VT2PRIB	94	19.6	54.9	273.4
Channel	197-50VT2PRIB	97	20.3	55.0	273.1
Legend	LR 9397 VT2PRIB	97	21.1	56.0	272.6
REA	5A992 RIB	98	21.8	54.4	272.5
NuTech/G2	5F-198	98	20.7	54.5	270.3
REA	4B941 RIB	94	20.2	55.4	269.9
Dekalb	DKC 47-27 RIB	97	19.1	56.1	268.3
Legacy	L-3416 VT2PRO	94	19.9	55.1	268.0
Peterson	PFS77P94	94	19.3	55.4	266.4
Legacy	L-3715 GENSS	96	20.3	55.5	264.9
Channel	195-18VT2PRIB	95	21.4	56.2	264.2
REA	4A962 RIB	96	19.7	55.9	262.0
Dairyland	DS-9599	99	21.7	55.3	261.1
Wensman	W90962STXRIB	96	20.1	55.1	260.2
Pioneer	P9526AM	95	19.4	55.8	260.0
Wensman	W90941STXRIB	94	20.4	53.3	258.6
NuTech	X5N-9901	99	21.6	55.7	258.1
Peterson	PFS81W95	95	19.0	55.8	257.7
Proseed	1495 SS	95	21.0	54.3	257.6
Dairyland	DS-7294	94	19.4	55.2	256.6
Legacy	L-3423	94	17.8	57.2	255.0
Thunder	3595 CONV	95	17.8	57.4	251.4
NuTech/G2	X5Z-9501	95	19.4	56.0	250.4
Renegade	R1-1595	95	18.5	60.7	246.3
Thunder	2600 CONV	100	19.8	57.4	246.1
Mean			20.0	55.8	262.4
CV (%)			3.2	1.8	3.0
LSD 0.05			1.1	1.8	13.6
LSD 0.10			0.9	1.5	11.4

¹Conventional hybrids are indicated in bold.

**Table 6. 2016 Corn - Average of Central Locations (Cass and Traill Counties), Early Maturing (≤ 85).
 Authors, J. Ransom, G. Mehring and D. Eisinger.**

Company/Brand	Hybrid	RM ¹	Greensnap ² (% plants)	Grain Moisture ³ (%)	Grain Yield			
					Cass	Traill	2-site Average ³	2-year Average
Dairyland	DS-9686	85	5.2	19.3	261.9	214.9	238.4	--
Dahlman	R43-26VT2PRIB	85	17.4	17.2	253.2	213.4	233.3	--
REA	2B840 RIB	84	15.9	18.4	255.0	210.1	232.6	--
NuTech	5N-183	83	10.8	18.5	251.8	207.1	229.5	216.0
Thunder	6785 VT2P	85	16.5	17.4	260.4	196.4	228.4	--
Producers	4513 VT2 RIB	85	10.6	18.0	244.3	207.9	226.1	--
NuTech	X5B-8403	84	9.6	19.0	257.2	195.0	226.1	--
Thunder	4585 RR	85	14.8	18.8	258.9	192.3	225.6	213.1
Legacy	L-2516 VT2PRO	85	14.3	17.3	250.6	200.2	225.4	--
Legacy	L-2314 VT2PRO	83	15.5	17.3	241.6	206.2	223.9	215.9
NuTech	X5N-8402	84	11.3	19.5	244.8	201.9	223.3	--
Pioneer	P8210	82	17.2	18.4	232.9	198.7	215.8	--
Channel	185-15VT2PRIB	85	26.2	18.2	241.6	187.5	214.6	215.0
NuTech	5B-782	82	14.4	17.9	244.8	184.2	214.5	208.5
Legend	LR 9583RR	83	10.2	17.7	241.8	185.5	213.6	--
Channel	182-62VT2PRIB	82	9.3	17.0	221.7	193.3	207.5	195.2
AgVenture	2949AB	84	16.3	18.2	236.2	178.5	207.3	--
AgVenture	2289AM	82	11.5	17.2	222.8	187.3	205.0	--
Peterson	PFS79M83	83	32.1	18.3	232.1	175.6	203.9	--
Croplan	C2123 VT2P	81	11.8	16.6	209.9	190.4	200.2	--
REA	1B820 RIB	82	19.1	17.6	224.0	175.8	199.9	--
Legacy	L-2245 VT2PRO	82	23.0	18.1	232.8	165.8	199.3	--
Thunder	4383 VT2P	83	24.5	18.5	213.5	179.4	196.4	182.5
Mean			15.5	18.0	240.6	193.4	217.0	206.6
CV (%)			59.9	3.2	4.8	5.9	3.9	--
LSD 0.05			11.3	1.2	17.2	17.1	17.6	--
LSD 0.10			9.5	1.0	14.6	14.4	14.8	--

¹Relative maturity as given by industry.

²Data from Traill County site.

³Average of both locations.

⁴Combined means may not equal numeric means of individual location as statistical methods were used for the combined analysis that adjusted means to account for within and between trial variability.

**Table 7. 2016 Corn - Average of Central Locations (Cass and Traill Counties), Late Maturing (≥ 86).
Authors, J. Ransom, G. Mehring and D. Eisinger.**

Company/Brand	Hybrid	RM ¹	Greensnap ² (% plants)	Grain Moisture ³ (%)	Grain Yield			
					Cass	Traill	2-site Average ⁴ (bu/a)	2-year Average
Legacy	L-3011 VT2PRO	90	11.8	20.2	277.1	231.7	254.4	237.4
Integra	9412	91	9.4	20.0	271.1	227.7	249.4	228.4
Dekalb	DKC 39-28 RIB	89	6.8	19.5	269.0	228.5	248.8	--
Wensman	W80874VT2PRO	87	9.5	19.6	282.2	211.2	246.7	219.3
Dahlman	R44-25VT2PRIB	88	13.1	19.0	267.2	224.7	245.9	--
Wensman	W80880VT2RIB	88	6.0	18.3	265.6	225.3	245.4	233.9
Proseed	1191 Vt2P	91	10.5	20.6	279.2	210.2	244.7	--
Proseed	GX 89 VT2P	89	19.9	19.1	269.6	215.6	242.6	--
Thunder	6791 VT2P	91	8.5	19.2	266.7	216.2	241.5	--
Channel	189-03VT2PRIB	89	6.8	18.5	259.5	220.1	239.8	--
Legacy	L-2916 VT2PRO	88	11.1	18.9	261.1	218.4	239.7	--
Producers	5043 VT2RIB	90	18.4	19.5	263.4	216.0	239.7	--
REA	3B922 RIB	92	8.6	20.2	264.0	215.2	239.6	--
Proseed	1392 VT2P	92	14.7	20.0	258.7	219.5	239.1	--
NuTech/G2	5F-091	91	4.7	19.3	256.9	217.7	237.3	--
Producers	4913 VT2RIB	89	19.1	18.1	254.8	217.8	236.3	226.1
NuTech	5N-290	90	12.3	19.0	266.4	206.1	236.3	226.2
Proseed	1492 SS	92	5.6	20.2	257.0	212.1	234.5	--
Integra	4342	92	12.1	19.8	254.9	212.7	233.8	--
Legend	LR 9587 VT2PRIB	87	18.9	19.5	255.1	211.6	233.3	--
Channel	187-49VT2PRIB	87	16.5	18.3	257.9	207.5	232.7	--
Legend	LR 9487 VT2PRIB	87	20.2	18.6	249.2	216.1	232.6	--
Legacy	L-3115 VT2PRO	92	4.5	19.5	251.7	211.3	231.5	--
Proseed	591 Vt2P	91	12.6	19.0	251.5	210.4	231.0	--
Proseed	1487 VT2P	87	15.5	18.3	249.2	212.4	230.8	--
Legend	LR 97A89 3011	89	9.4	19.1	253.8	206.8	230.3	--
Channel	186-31VT2PRIB	86	14.6	18.8	246.8	212.6	229.7	213.9
Integra	4122	91	13.6	19.1	269.5	189.8	229.7	--
Wensman	W80906VT2PRO	90	9.4	19.9	258.7	195.3	227.0	--
REA	2A871 RIB	87	10.4	19.8	246.2	206.3	226.2	--
Peterson	PFS77H87	87	19.0	18.5	248.1	202.7	225.4	212.6
NuTech	5N-886	86	17.3	19.2	245.9	202.4	224.1	--
NuTech	X5B-8801	88	13.0	18.1	250.1	198.1	224.1	--
Thunder	7188 VT2P	88	14.5	19.3	256.2	191.2	223.7	227.9
Dairyland	DS-9787SSX	87	9.2	17.9	238.9	208.2	223.6	--
REA	2B860 RIB	86	18.7	18.3	240.2	205.2	222.7	--
NuTech/G2	X5Z-9103	91	7.8	18.5	248.3	196.6	222.4	--
Peterson	PFS74K89	89	12.5	19.1	257.0	184.9	221.0	223.7
AgVenture	2708ABW	87	9.3	19.1	233.3	207.7	220.5	--
NuTech/G2	5F-488	88	7.6	19.1	247.1	190.8	219.0	--
Proseed	1286 VT2P	86	18.7	18.7	240.3	187.4	213.9	--
Legacy	L-2924 VT2PRO	89	20.4	19.8	248.3	178.0	213.2	220.8
Mean			12.4	19.2	256.8	209.0	232.9	224.6
CV (%)			59.9	3.2	4.8	5.9	3.9	--
LSD 0.05			11.3	1.2	17.2	17.1	17.6	--
LSD 0.10			9.5	1.0	14.6	14.4	14.8	--

¹Relative maturity as given by industry.

²Data from Traill County site.

³Average of all locations.

⁴Combined means may not equal numeric means of individual location as statistical methods were used for the combined analysis that adjusted means to account for within and between trial variability.

Table 8. 2016 Corn - Central Zone, Conventional and GMO, Cass County, Early Maturing (<85).
Authors, J. Ransom, G. Mehring and D. Eisinger.

Company/Brand	Hybrid ¹	RM	Grain	Test	Grain Yield
			Moisture	Weight	
			(%)	(lb/bu)	(bu/a)
Dairyland	DS-9686	85	20.2	52.9	261.9
Thunder	6785 VT2P	85	18.9	53.9	260.4
Thunder	4585 RR	85	20.7	52.5	258.9
NuTech	X5B-8403	84	22.1	52.0	257.1
REA	2B840 RIB	84	20.2	52.1	255.0
Dahlman	R43-26VT2PRIB	85	18.4	53.7	253.2
NuTech	5N-183	83	20.3	51.8	251.9
Peterson	PFS14G85	85	20.8	53.8	251.2
Legacy	L-2516 VT2PRO	85	18.7	53.5	250.6
NuTech	X5N-8402	84	20.8	52.3	244.8
NuTech	5B-782	82	19.8	53.2	244.8
Producers	4513 VT2 RIB	85	19.0	56.7	244.4
Legend	LR 9583RR	83	19.2	52.7	241.8
Thunder	2682 CONV	82	20.2	52.4	241.7
Channel	185-15VT2PRIB	85	19.1	53.0	241.6
Legacy	L-2314 VT2PRO	83	18.7	52.9	241.6
Thunder	6184 CONV	84	19.8	52.6	239.1
Legacy	L-2546	85	20.7	54.0	238.5
Thunder	2784 CONV	84	21.1	53.6	236.5
AgVenture	2949AB	84	20.2	53.1	236.2
Pioneer	P8210	82	20.1	53.3	232.9
Legacy	L-2245 VT2PRO	82	19.6	54.1	232.8
Peterson	PFS79M83	83	20.1	53.4	232.1
REA	1B820 RIB	82	19.1	54.6	224.0
AgVenture	2289AM	82	18.7	53.2	222.7
Channel	182-62VT2PRIB	82	18.2	54.7	221.7
Thunder	4383 VT2P	83	20.0	53.2	213.4
Croplan	C2123 VT2P	81	17.3	54.1	209.9
Mean			19.7	53.3	240.7
CV (%)			4.1	2.0	4.8
LSD 0.05			1.4	1.7	17.2
LSD 0.10			1.2	1.4	14.6

¹Conventional hybrids are indicated in bold.

**Table 9. 2016 Corn - Central Zone, Conventional and GMO, Cass County, Late Maturing (≥ 86).
 Authors, J. Ransom, G. Mehring and D. Eisinger.**

Company/Brand	Hybrid ¹	RM	Grain	Test	Grain Yield
			Moisture (%)	Weight (lb/bu)	
Wensman	W80874VT2PRO	87	19.9	50.5	282.2
Proseed	1191 Vt2P	91	21.9	51.3	279.2
Legacy	L-3011 VT2PRO	90	21.7	50.9	277.1
Integra	9412	91	20.7	51.7	271.1
Renegade	R1-1592	92	21.1	51.6	270.6
Legacy	L-3011	90	20.6	52.0	269.9
Proseed	GX 89 VT2P	89	20.3	51.3	269.6
Integra	4122	91	20.3	52.2	269.5
Dekalb	DKC 39-28 RIB	89	21.9	51.6	269.0
Dahlman	R44-25VT2PRIB	88	20.7	51.8	267.2
Thunder	6791 VT2P	91	20.4	52.1	266.7
NuTech	5N-290	90	20.6	50.2	266.4
Wensman	W80880VT2RIB	88	19.7	52.9	265.6
REA	3B922 RIB	92	21.5	52.0	264.0
Producers	5043 VT2RIB	90	20.6	51.2	263.4
Dairyland	EXP-08801	88	20.7	54.1	261.5
Legacy	L-2916 VT2PRO	88	20.1	51.9	261.1
Thunder	3390 CONV	90	21.1	51.6	261.0
Channel	189-03VT2PRIB	89	20.0	52.5	259.5
Wensman	W80906VT2PRO	90	21.2	51.6	258.7
Proseed	1392 VT2P	92	20.9	52.0	258.7
Channel	187-49VT2PRIB	87	19.5	52.1	257.9
Peterson	PFS74K89	89	20.2	53.0	257.0
Proseed	1492 SS	92	21.6	50.1	257.0
NuTech/G2	5F-091	91	20.3	51.4	256.9
Thunder	7188 VT2P	88	20.8	52.4	256.2
Legend	LR 9587 VT2PRIB	87	20.5	52.4	255.1
Integra	4342	92	21.0	51.7	254.9
Producers	4913 VT2RIB	89	19.0	52.8	254.8
Renegade	R1-1590	90	23.0	51.8	254.5
Legend	LR 97A89 3011	89	20.0	52.9	253.8
Dairyland	DS-1091	91	22.5	52.1	253.3
Legacy	L-3115 VT2PRO	92	20.9	51.6	251.7
Proseed	591 Vt2P	91	20.3	51.8	251.5
NuTech	X5B-8801	88	19.3	53.1	250.1
Legend	LR 9487 VT2PRIB	87	19.7	53.2	249.2
Proseed	1487 VT2P	87	19.5	53.3	249.2
Legacy	L-2924 VT2PRO	89	21.1	51.0	248.3
NuTech/G2	X5Z-9103	91	19.8	51.7	248.3
Peterson	PFS77H87	87	20.2	53.6	248.1
NuTech/G2	5F-488	88	20.4	51.3	247.1
Channel	186-31VT2PRIB	86	19.9	52.4	246.8
REA	2A871 RIB	87	20.5	53.2	246.2
NuTech	5N-886	86	20.0	53.3	245.9
Integra	4342 Conventional	92	20.6	52.5	243.6
Proseed	1286 VT2P	86	20.2	53.1	240.3
REA	2B860 RIB	86	19.2	53.4	240.2
Dairyland	DS-9787SSX	87	19.0	51.8	238.9
AgVenture	2708ABW	87	20.7	51.0	233.3
Mean			20.5	52.1	257.2
CV (%)			4.1	2.0	4.8
LSD 0.05			1.4	1.7	17.2
LSD 0.10			1.2	1.4	14.6

¹Conventional hybrids are indicated in bold.

**Table 10. 2016 Corn - Average of North Locations (Grand Forks, Nelson and Ramsey Counties), Early Maturing (≤80).
Authors, J. Ransom, G. Mehring and D. Eisinger.**

Company/Brand	Hybrid	RM ¹	Grain		Grain Yield			
			Moisture ²	Grand Forks	Nelson	Ramsey	3-site Average ³	2-year Average
			(%)	------(bu/a)-----				
NuTech/G2	3A-080	80	19.8	221.8	178.1	226.8	208.9	--
Partners	PB5030GT	80	19.6	223.0	193.0	208.1	208.0	--
NorthStar/Viking	VS 78-510 RR2	78	19.4	214.5	161.1	242.0	205.8	--
Legacy	L-2213 VT2PRO	80	19.2	222.6	173.0	221.4	205.7	204.5
NorthStar/Viking	VS 78-166 VT2P RIB	78	19.2	228.1	176.8	200.0	201.6	--
Pioneer	P7632AM	76	19.7	219.4	181.6	200.8	200.6	--
NuTech/G2	5F-379	79	18.8	233.8	160.9	199.7	198.1	--
NuTech	X5G-8001	80	18.9	204.9	183.7	205.5	198.0	--
Wensman	W80761VT2RIB	76	17.8	223.3	180.3	190.4	198.0	190.9
REA	1B790 RIB	79	18.9	229.1	162.1	202.7	198.0	--
Legacy	L-1814 VT2PRO	79	18.9	230.8	170.4	192.4	197.9	191.7
AgVenture	1742AM	79	18.6	232.9	163.4	190.1	195.4	--
Partners	PB4833RR	78	20.0	202.6	170.8	203.6	192.3	--
REA	1B770 RIB	77	18.4	221.9	166.6	179.2	189.2	--
Peterson	PFS71C80	80	19.4	198.4	163.0	198.9	186.8	--
REA	1B801 RIB	80	19.1	219.4	160.8	176.4	185.5	--
NuTech/G2	5F-775	75	18.0	211.5	155.9	188.2	185.2	--
Peterson	PFS21N78	78	19.0	214.9	147.0	189.0	183.6	184.8
AgVenture	1131AM	76	18.2	206.4	149.4	170.5	175.4	--
Thunder	7578 VT2P	78	18.8	214.6	142.6	162.8	173.3	--
Mean			19.0	218.7	167.0	197.4	194.4	193.0
CV (%)			2.2	4.7	11.8	9.8	7.7	--
LSD 0.05			0.6	16.4	35.7	28.8	26.0	--
LSD 0.10			0.5	13.8	30.0	24.2	21.8	--

¹Relative maturity as given by industry.

²Average of all locations.

³Combined means may not equal numeric means of individual location as statistical methods were used for the combined analysis that adjusted means to account for within and between trial variability.

**Table 11. 2016 Corn - Average of North Locations (Grand Forks, Nelson and Ramsey Counties), Late Maturing (≥81).
Authors, J. Ransom, G. Mehring and D. Eisinger.**

Company/Brand	Hybrid	RM ¹	Grain Moisture ² (%)	Grain Yield				
				Grand Forks	Nelson	Ramsey	3-site Average ³	2-year Average
				------(bu/a)-----				
Dairyland	DS-9686	85	20.0	256.8	224.3	251.0	244.0	--
NuTech	5N-183	83	20.5	255.2	210.7	248.9	238.3	221.6
Thunder	6785 VT2P	85	19.9	249.7	191.1	250.6	230.5	--
Proseed	1385 VT2P	85	20.0	246.9	194.1	247.8	229.6	219.2
Channel	185-15VT2PRIB	85	20.1	241.4	208.3	233.6	227.8	--
Wensman	W80827VT2RIB	82	19.2	240.2	204.5	237.8	227.5	217.0
Partners	PB5203-3000GT	82	21.0	246.6	193.9	240.9	227.1	--
NorthStar	NS 82-182 GT	82	20.3	242.2	201.0	237.1	226.8	--
NuTech	X5B-8403	84	20.1	239.5	200.1	238.0	225.9	--
NorthStar/Viking	VS 85-194 VT2P RIB	85	20.0	257.3	176.9	239.7	224.6	--
Legacy	L-2245 VT2PRO	82	19.5	242.1	194.4	228.4	221.6	--
Proseed	1483 VT2P	83	19.2	236.4	189.5	234.6	220.1	--
REA	2B840 RIB	84	20.2	262.8	164.0	232.6	219.8	--
Thunder	4585 RR	85	20.0	253.6	191.8	212.7	219.4	206.2
Dahlman	R41-22VT2PRIB	82	19.8	247.0	179.1	231.7	219.3	--
NuTech	5B-782	82	19.5	246.4	190.7	220.0	219.0	212.6
Dahlman	R43-26VT2PRIB	85	19.2	247.9	173.0	233.7	218.2	--
NorthStar	X 84-349 3010A	84	20.1	246.0	169.1	229.1	214.7	--
Proseed	1083 GT3000	83	20.0	238.3	181.4	219.2	213.0	202.0
Peterson	PFS71D83	83	20.0	224.9	199.1	213.3	212.4	208.8
NorthStar/Viking	VS 85-510 RR2	85	19.4	238.0	190.3	202.7	210.3	--
Dekalb	DKC 31-10 RIB	81	19.5	233.8	188.1	206.8	209.6	--
AgVenture	2949AB	84	19.8	225.8	181.8	215.9	207.8	--
Wensman	W80818VT2PRO	81	19.3	221.6	172.0	228.4	207.3	--
Channel	181-92VT2PRIB	81	19.6	228.8	173.6	217.5	206.6	201.7
REA	1B820 RIB	82	19.2	229.6	182.9	206.6	206.4	--
Channel	182-62VT2PRIB	82	19.2	233.4	190.7	194.7	206.3	194.5
REA	2V550 RIB	85	20.0	238.3	171.6	208.2	206.0	--
NorthStar/Viking	VS 81-188 VT2P RIB	81	19.6	237.3	172.9	203.2	204.5	--
Proseed	1382 VT2P	82	19.8	222.5	176.3	214.0	204.3	192.3
Thunder	4383 VT2P	83	19.7	211.2	177.7	219.4	202.8	188.1
Croplan	2123 VT2P RIB	81	18.8	218.9	171.9	202.6	197.8	--
AgVenture	2289AM	82	19.2	231.6	163.7	188.3	194.5	--
AgVenture	2106AM	81	19.7	220.6	175.4	173.1	189.7	--
Proseed	1283 VT2P	83	19.3	207.0	163.0	192.9	187.6	--
Mean			19.7	237.7	185.4	221.6	214.9	205.8
CV (%)			3.4	4.7	11.8	9.8	7.7	--
LSD 0.05			1.0	16.4	35.7	28.8	26.0	--
LSD 0.10			0.8	13.8	30.0	24.2	21.8	--

¹Relative maturity as given by industry.

²Average of all locations.

³Combined means may not equal numeric means of individual location as statistical methods were used for the combined analysis that adjusted means to account for within and between trial variability.

**Table 12. 2016 Corn - North Zone, Conventional and GMO, Grand Forks County, Early Maturing (≤80).
Authors, J. Ransom, G. Mehring and D. Eisinger.**

Company/Brand	Hybrid ¹	RM	Grain	Test	Grain Yield
			Moisture	Weight	
			(%)	(lb/bu)	(bu/a)
Thunder	2780 CONV	80	17.5	59.6	237.5
NuTech/G2	5F-379	79	17.9	57.6	233.8
AgVenture	1742AM	79	17.6	58.7	232.9
Legacy	L-1814 VT2PRO	79	17.5	59.8	230.8
REA	1B790 RIB	79	17.3	59.4	229.1
NorthStar/Viking	VS 78-166 VT2P RIB	78	18.2	58.7	228.1
Wensman	W80761VT2RIB	76	16.5	61.1	223.3
Partners	PB5030GT	80	17.5	57.6	223.0
Legacy	L-2213 VT2PRO	80	18.9	57.6	222.6
REA	1B770 RIB	77	17.1	60.2	221.9
NuTech/G2	3A-080	80	18.2	56.4	221.8
Pioneer	P7632AM	76	18.1	58.4	219.4
REA	1B801 RIB	80	17.5	59.3	219.4
Peterson	PFS21N78	78	17.9	58.6	214.9
Thunder	7578 VT2P	78	17.4	58.8	214.6
NorthStar/Viking	VS 78-510 RR2	78	18.3	59.7	214.5
NuTech/G2	5F-775	75	17.4	57.4	211.5
AgVenture	1131AM	76	17.4	57.5	209.4
NuTech	X5G-8001	80	17.9	59.5	204.9
Partners	PB4833RR	78	18.4	60.0	202.6
Peterson	PFS71C80	80	17.6	59.3	198.4
Mean			17.7	58.8	219.7
CV (%)			2.2	1.0	4.7
LSD 0.05			0.6	0.8	16.4
LSD 0.10			0.5	0.7	13.8

¹Conventional hybrids are indicated in bold.

**Table 13. 2016 Corn - North Zone, Conventional and GMO, Grand Forks County, Late Maturing (≥ 81).
 Authors, J. Ransom, G. Mehring and D. Eisinger.**

Company/Brand	Hybrid ¹	RM	Grain	Test	Grain Yield
			Moisture	Weight	
			(%)	(lb/bu)	(bu/a)
REA	2B840 RIB	84	18.5	57.3	262.8
NorthStar/Viking	VS 85-194 VT2P RIB	85	18.9	57.5	257.3
Dairyland	DS-9686	85	18.8	58.0	256.8
NuTech	5N-183	83	18.9	56.9	255.2
Thunder	4585 RR	85	19.0	57.5	253.6
Thunder	6785 VT2P	85	18.2	58.0	249.7
NorthStar	NS 85-131 Conv	85	19.6	57.7	248.8
Dahlman	R43-26VT2PRIB	85	17.8	58.5	247.9
Dahlman	R41-22VT2PRIB	82	18.5	58.5	247.0
Proseed	1385 VT2P	85	18.6	57.8	246.9
Partners	PB5203-3000GT	82	19.3	56.2	246.6
NuTech	5B-782	82	18.2	57.1	246.4
NorthStar	X 84-349 3010A	84	18.9	56.6	246.0
Thunder	2784 CONV	84	19.5	58.3	245.7
Thunder	2682 CONV	82	18.2	56.6	243.8
NorthStar	NS 82-182 GT	82	19.0	57.5	242.2
Legacy	L-2245 VT2PRO	82	18.1	59.0	242.1
Channel	185-15VT2PRIB	85	18.5	57.4	241.4
Wensman	W80827VT2RIB	82	18.2	58.2	240.2
NuTech	X5B-8403	84	19.4	56.1	239.5
Proseed	1083 GT3000	83	18.4	57.2	238.3
REA	2V550 RIB	85	18.5	57.9	238.3
NorthStar/Viking	VS 85-510 RR2	85	18.6	57.1	238.0
NorthStar/Viking	VS 81-188 VT2P RIB	81	18.6	58.3	237.3
Proseed	1483 VT2P	83	18.5	57.1	236.4
NorthStar	NS 81-200 Conv	81	17.7	56.9	235.9
Dekalb	DKC 31-10 RIB	81	17.9	58.5	233.8
Channel	182-62VT2PRIB	82	17.7	59.6	233.4
AgVenture	2289AM	82	17.5	57.1	231.6
REA	1B820 RIB	82	17.9	59.7	229.6
Channel	181-92VT2PRIB	81	18.0	58.3	228.8
Partners	CL520	82	18.5	59.6	228.1
Peterson	PFS14G85	85	19.4	58.9	228.0
AgVenture	2949AB	84	18.4	58.0	225.8
Peterson	PFS71D83	83	18.9	59.0	224.9
Proseed	1382 VT2P	82	18.4	57.7	222.5
Wensman	W80818VT2PRO	81	17.0	59.2	221.6
AgVenture	2106AM	81	18.4	58.0	220.6
Croplan	2123 VT2P RIB	81	17.5	58.4	218.9
Thunder	6184 CONV	84	18.7	57.1	218.6
Thunder	4383 VT2P	83	18.9	57.5	211.2
Proseed	1283 VT2P	83	18.3	58.6	207.0
Mean			18.5	57.9	237.3
CV (%)			2.2	1.0	4.7
LSD 0.05			0.6	0.8	16.4
LSD 0.10			0.5	0.7	13.8

¹Conventional hybrids are indicated in bold.

Table 14. 2016 Corn - Dryland - Carrington - Authors, M. Ostlie, B. Schatz and T. Indergaard (Page 1 of 2).

Company/Brand	Hybrid	RM ¹	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2016 (bu/a)	2-Yr. Avg.
Channel	187-49	87	18.4	55.0	164.4	--
Frontiersman	91-C6 VT2ProRIB	91	18.4	56.0	163.9	--
Wensman	W80906VT2PRO	90	18.6	55.7	160.4	--
Legend	LR 9487	87	18.1	56.9	159.6	151.5
NuTech	5N-886	86	18.1	56.6	157.4	--
Latham	LH3877	88	17.9	56.7	156.8	--
NuTech/G2	5F-091	91	18.4	55.2	155.8	--
Dairyland	DS-9686	86	18.3	56.8	153.2	--
Latham	LH4097	90	18.3	55.6	151.4	--
Wensman	W80874VT2PRO	87	18.0	54.1	150.9	152.0
Frontiersman	89-J7 VT2Pro	89	18.4	55.5	149.1	--
Latham	LH3614	86	18.0	56.7	148.6	--
Rob-See-Co	RC3601-3011A	86	17.9	56.4	148.1	--
Integra	3537	85	18.1	56.8	148.1	149.6
Legend	LR 9587	87	18.6	56.8	147.2	151.2
Rob-See-Co	RC3834-3010	88	17.4	55.9	146.1	--
Proseed	1487	87	18.1	56.6	145.3	--
NuTech	5N-183	83	17.8	56.2	145.1	147.6
Proseed	1385	85	17.8	56.8	144.6	152.6
Channel	185-15	85	18.2	56.0	144.3	148.4
Channel	186-31	86	17.5	56.5	144.0	139.1
Latham	LH3427	84	16.4	55.3	142.9	145.2
Wensman	W80891VT2PRO	89	18.1	56.9	142.9	--
NorthStar	X 84-349 3010A	84	16.8	56.4	142.7	--
Wensman	W80880VT2RIB	88	18.5	56.1	141.7	145.7
Dairyland	EXP-08404	84	16.0	55.8	141.1	--
NorthStar	NS 86-194 VT2P	86	17.9	57.0	141.1	--
Integra	3325	83	17.0	55.9	141.1	--
REA	2B840-RIB	84	17.2	56.3	141.0	136.3
Legacy	L-2916	88	17.1	55.8	140.8	--
Legend	LR 9583	83	17.7	56.4	138.0	--
Frontiersman	91-E3 VT2ProRIB	91	18.2	56.0	137.9	143.0
Frontiersman	85-H7 VT2Pro	85	16.8	57.0	136.8	--
Wensman	W80866VT2RIB	86	18.0	56.8	134.6	135.1
Legacy	L-2643	86	17.5	57.2	134.3	139.5
Legacy	L-2924	89	18.1	56.1	134.2	147.7
Latham	LH3547	85	17.7	57.0	133.9	--
REA	2A871-RIB	87	18.9	56.1	133.7	141.0
Thunder	4585RR	85	17.6	56.7	133.6	140.3
Legacy	L-2314	83	17.3	56.5	133.2	133.3
Proseed	1286	86	17.3	57.4	131.7	140.5
Integra	3236	82	17.0	57.2	131.4	--
Thunder	6785 VT2P	85	16.6	57.1	130.4	--
Rob-See-Co	RC3418-3010A	84	16.5	56.0	130.4	--
NuTech	X5B-8801	88	17.3	55.9	130.3	--
Legacy	L-2516	85	16.8	57.0	129.2	--
NorthStar	NS 81-188 VT2P	81	17.2	57.2	128.9	--
Proseed	1083	83	17.2	55.9	128.8	132.1
Legacy	L-2245	82	17.2	57.9	127.6	--
Mean			17.5	56.6	137.5	136.8
CV %			3.3	1.0	8.2	--
LSD 0.05			0.8	0.8	15.7	--
LSD 0.10			0.7	0.7	13.2	--

Table 14. 2016 Corn - Dryland - Carrington - Authors, M. Ostlie, B. Schatz and T. Indergaard (Page 2 of 2).

Company/Brand	Hybrid	RM ¹	Grain	Test	Grain Yield	
			Moisture	Weight	2016	2-Yr. Avg.
			(%)	(lb/bu)	----- (bu/a) -----	
Peterson	PFS79M83	83	16.7	57.8	123.5	--
REA	1B820-RIB	82	16.8	58.2	119.3	129.0
Proseed	1483	83	17.0	56.7	117.3	127.1
Channel	182-62	82	16.7	57.6	113.3	120.5
Proseed	1283	83	16.8	57.6	112.3	114.5
Thunder	4383 VT2P	83	17.4	57.7	109.4	114.5
Peterson	PFS71D83	83	17.3	57.8	109.3	122.2
Thunder	6385 VT2P	85	17.2	58.8	108.1	115.4
Integra	3142	81	16.0	58.4	105.1	115.1
Mean			17.5	56.6	137.5	136.8
CV %			3.3	1.0	8.2	--
LSD 0.05			0.8	0.8	15.7	--
LSD 0.10			0.7	0.7	13.2	--

Planting Date: April 29. Harvest Date: Oct. 18. Previous crop: faba bean.

¹Relative maturity as given by industry.

Trial was impacted by a significant hail storm on July 9.

Table 15. 2016 Corn - Dryland - Conventional - Carrington - Authors, M. Ostlie, B. Schatz and T. Indergaard.

Company/Brand	Hybrid	RM ¹	Grain	Test	Grain Yield
			Moisture	Weight	
			(%)	(lb/bu)	(bu/a)
Legacy	L2546	86	19.3	56.9	125.7
Renk	RK568	93	19.9	54.8	124.7
Dairyland	DS-1091	91	19.8	55.1	124.2
Dairyland	EXP-08801	88	19.0	57.4	123.4
Frontiersman	85-F7	85	19.0	57.0	122.8
Legacy	L3423	94	19.9	54.7	122.5
Legacy	L-3043	93	20.0	54.7	122.1
Renk	RK522	90	20.0	54.9	121.4
Frontiersman	90-T6	90	19.2	55.9	121.0
Thunder	2784	84	18.9	55.6	120.9
NorthStar	NS 81-200	81	18.6	52.5	119.9
NorthStar	NS 85-131	85	19.2	55.9	119.7
Thunder	2780	80	17.8	57.2	116.6
Mean			19.2	55.7	122.1
CV %			3.0	1.4	3.4
LSD 0.05			0.8	1.1	NS
LSD 0.10			0.7	0.9	NS

Planting Date: May 2. Harvest Date: Oct. 19. Previous crop: faba bean.

¹Relative maturity as given by industry.

Trial was impacted by a significant hail storm on July 9.

Table 16. 2016 Corn - Fingal (Carrington REC) - Authors, M. Ostlie, B. Schatz and T. Indergaard.

Company/Brand	Hybrid	RM ¹	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2016 ----- (bu/a)	2-Yr. Avg.
Legacy	L-3712	96	19.2	56.4	215.6	213.7
NuTech/G2	5F-894	94	18.9	55.4	212.7	--
NorthStar	NS 96-578	96	19.1	56.7	212.4	--
REA	3B330-RIB	90	18.5	56.8	209.8	219.2
NorthStar	NS 95-135	95	19.7	58.5	209.5	--
Latham	LH4437	94	19.3	55.2	209.2	--
Legacy	L-3416	94	19.6	55.2	208.6	--
NuTech/G2	5F-196	96	19.5	54.3	207.0	205.9
Latham	LH3877	88	18.5	57.8	205.8	--
Renk	RK433	92	20.0	56.6	205.8	--
Latham	LH4097	90	19.3	56.9	202.9	211.7
NorthStar	NS 86-194	86	18.5	56.7	201.7	--
Latham	LH4454	94	19.9	56.5	201.6	--
Integra	9412	91	18.5	56.4	199.7	205.9
Legacy	L-3043	93	19.1	56.4	199.1	209.4
Renk	RK408	91	18.8	56.7	198.5	--
NuTech	5B-293	93	20.3	56.8	197.6	--
Integra	4122	91	18.4	56.5	197.3	--
Renk	RK299	89	18.3	56.4	197.3	203.2
Legacy	L-3715	96	20.0	56.1	197.0	--
Proseed	1191	91	19.0	57.4	196.7	210.2
Latham	LH4147	91	17.9	55.9	196.0	190.9
NorthStar	NS 89-174	89	18.0	56.5	195.0	--
NorthStar	NS 91-591	91	18.9	56.2	194.8	201.8
Wensman	W80891	89	18.4	57.9	193.8	--
Latham	LH4242	92	19.0	57.0	192.8	204.0
Wensman	W80928	92	18.2	55.8	190.9	194.4
Thunder	7188	88	18.8	58.4	190.8	184.8
Dairyland	DS-7294	94	19.8	57.5	189.4	--
Peterson	PFS77H87	87	18.2	57.9	189.2	188.4
NorthStar	NS 94-125	94	19.2	56.5	188.3	--
NuTech/G2	5F-091	91	18.1	55.3	187.2	--
Peterson	PFS74K89	89	18.7	57.5	187.2	194.9
Legacy	L-3115	92	19.2	56.1	186.7	190.8
Latham	LH3614	86	18.5	57.1	184.6	--
Proseed	1392	92	19.0	55.9	183.5	--
Wensman	W80880	88	17.9	56.9	183.5	190.7
Wensman	W80906	90	18.7	57.3	180.3	--
Integra	4342	93	18.7	56.6	179.9	197.3
REA	2B860-RIB	86	17.9	57.0	176.3	--
Thunder	6785	85	17.8	57.4	175.9	--
Dairyland	DS-9686	86	18.6	57.6	175.9	--
Dairyland	DS-9487	87	18.3	55.7	175.0	188.6
REA	2B840-RIB	84	17.3	56.6	173.7	--
NuTech	X5B-8801	88	18.2	57.1	172.8	--
REA	2A871-RIB	87	18.5	56.7	170.4	182.2
REA	3A922-RIB	92	17.9	56.6	166.8	184.0
Wensman	W80874	87	18.2	53.8	162.4	182.1
Thunder	6385	85	18.1	59.2	150.6	--
Mean			18.7	56.7	189.9	197.9
CV %			2.9	1.2	9.7	--
LSD 0.05			0.8	1.0	25.4	--
LSD 0.10			0.6	0.8	21.3	--

Planting Date: May 4. Harvest Date: Nov. 3. Previous crop: soybean.

¹Relative maturity as given by industry.

Table 17. 2016 Corn - Irrigated - Carrington - Authors, M. Ostlie, B. Schatz and T. Indergaard.

Company/Brand	Hybrid	RM ¹	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2016 -----(bu/a)-----	2-yr. Avg.
REA	3B330-RIB	90	18.9	55.9	182.9	182.4
NuTech	5B-293	93	19.8	56.7	172.0	--
Integra	3922	89	17.6	55.9	168.1	--
Wensman	W80906VT2PRO	90	18.1	55.9	167.4	--
Wensman	W80874VT2PRO	87	17.2	54.4	166.2	162.1
Latham	LH4147	91	18.3	55.5	165.7	165.0
Legacy	L-2924	89	17.8	56.5	164.2	157.7
Wensman	W80880VT2RIB	88	17.8	56.9	164.0	160.9
Legacy	L-2643	86	17.7	56.7	163.7	163.2
Legacy	L-2916	88	17.7	55.4	163.5	--
Dairyland	DS-9686	86	18.8	56.8	163.5	--
Thunder	4585RR	85	17.3	57.3	163.3	159.8
Proseed	1487	87	18.1	56.7	162.2	--
Latham	LH3877	88	17.7	56.6	161.3	--
Rob-See-Co	RC3601-3011A	86	18.2	56.9	161.0	--
Integra	3537	85	18.0	57.0	158.4	158.1
Wensman	W80891VT2PRO	89	18.0	57.1	157.2	--
NuTech	5N-886	86	18.5	56.9	156.1	--
Integra	3236	82	17.1	57.3	155.7	--
NuTech	X5B-8801	88	17.4	56.2	154.8	--
Rob-See-Co	RC3418-3010A	84	16.4	56.5	153.5	--
NuTech/G2	5F-091	91	18.1	55.0	152.6	--
Latham	LH4097	90	17.7	56.6	152.2	149.0
Latham	LH3547	85	17.4	56.9	151.5	--
Peterson	PFS79M83	83	16.7	57.4	149.8	--
Dairyland	EXP-08404	84	15.9	56.4	149.7	--
REA	2B860-RIB	86	17.0	56.6	149.2	--
Proseed	1385	85	17.5	57.3	147.7	--
Proseed	1286	86	17.3	57.4	147.6	145.6
Integra	3325	83	16.1	56.1	146.9	--
Thunder	6785 VT2P	85	17.3	57.6	146.7	--
Legacy	L-2516	85	16.7	57.2	146.0	--
Latham	LH3614	86	18.4	56.9	145.3	--
REA	2B840-RIB	84	17.4	56.4	145.1	--
REA	2A871-RIB	87	19.1	56.2	144.9	149.6
Legacy	L-2314	83	16.7	57.0	143.2	150.5
Innotech	IC4173-3110A	91	20.4	56.5	142.9	--
Legacy	L-2245	82	16.6	57.7	139.8	--
NuTech	5N-183	83	17.4	56.4	139.6	138.0
Wensman	W80866VT2RIB	86	17.5	57.3	138.4	141.3
Proseed	1083	83	16.9	56.4	136.8	140.9
Wensman	W80841VT2RIB	84	17.2	58.0	134.6	137.5
Rob-See-Co	RC3834-3010	88	18.0	56.4	129.0	--
Peterson	PFS71D83	83	17.2	57.7	124.1	130.8
Proseed	1483	83	17.4	56.3	123.1	127.1
Thunder	6385 VT2P	85	17.3	58.3	121.2	126.1
Thunder	4383 VT2P	83	17.6	57.3	120.5	129.3
Dairyland	DS-9487SSX	87	19.0	54.4	119.2	--
Mean			17.7	56.7	150.5	148.7
CV %			3.4	0.9	8.2	--
LSD 0.05			0.8	0.7	17.1	--
LSD 0.10			0.7	0.6	14.4	--

Planting Date: May 2. Harvest Date: Oct. 19. Previous crop: dry bean.

¹Relative maturity as given by industry.

Trial was impacted by a significant hail storm on July 9.

Table 18. 2016 Corn - Oakes (Carrington REC) - Authors, K. Cooper, L. Besemann and H. Eslinger (Page 1 of 2).

Company/ Brand	Hybrid	RM ¹	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2016 -----(bu/a)-----	2-yr. Avg.
Legend	LR 9691	91	18.5	55.0	260.3	--
Innotech	IC4688-3010	96	20.3	53.7	247.8	--
Thunder	6791 VT2P	91	18.4	54.6	247.4	--
Thunder	7396 VT2P	96	18.6	53.6	247.2	213.1
NuTech/G2	5F-198	98	20.8	50.1	244.9	217.7
Integra	4652	96	20.7	53.6	244.5	--
Wensman	W90941STXRIB	94	18.6	52.9	243.3	216.7
Latham	LH4727	97	20.6	52.9	243.1	--
NorthStar	NS 95-135 VT2P	95	20.4	56.4	243.1	--
Peterson	PFS77P94	94	19.5	53.9	243.0	--
NuTech/G2	5F-196	96	20.3	52.3	241.6	220.5
REA	4B953-RIB	95	18.8	54.7	241.6	218.5
Channel	194-14 VT2PRIB	94	18.5	54.0	241.6	220.3
Channel	197-50 VT2PRIB	97	20.9	52.9	240.6	--
Rob-See-Co	RC4343-3110A	93	18.9	55.0	239.8	--
Frontiersman	91-C6 VT2ProRIB	91	18.0	55.0	238.9	--
NuTech/G2	5F-894	94	17.9	52.2	236.0	--
Latham	LH4437	94	19.8	53.6	235.5	--
Legacy	L-3043 VT2PRO	93	17.8	54.9	234.2	213.0
Channel	193-53 VT2PRIB	93	19.2	54.0	233.9	--
Dairyland	DS-7294	94	19.1	54.6	233.9	--
NorthStar	NS 96-578	96	19.7	54.0	232.9	--
Legacy	L-3712 VT3PRO	96	19.3	55.3	231.9	200.5
REA	4B931-RIB	93	20.1	53.6	231.2	213.8
Legend	LR 9697	97	21.1	51.5	231.1	--
Renk	RK568VT3P	95	20.4	54.5	230.4	202.9
Wensman	W80972VT2PRO	97	20.2	53.1	229.8	--
Innotech	IC4453-3110	94	18.2	55.4	228.5	198.1
Legacy	L-3416 VT2PRO	94	19.3	54.2	228.4	--
NorthStar	NS 91-591 VT2P RIB	91	18.4	54.4	228.2	208.8
Latham	LH4454	94	20.1	54.6	228.1	--
Latham	LH4955	99	20.9	52.0	227.8	--
Channel	195-18 VT2PRIB	95	21.1	55.5	227.7	--
Thunder	7993 VT2P	93	19.6	54.1	226.4	202.5
Wensman	W90979STXRIB	97	19.1	53.9	226.1	212.6
Wensman	W80928VT2RIB	92	17.5	55.1	225.8	--
Peterson	PFS76S92	92	18.7	54.8	224.3	203.9
Legend	LR 97A89	89	18.6	55.7	224.2	--
Innotech	IC4173-3110A	91	19.0	55.5	223.6	--
Wensman	W90962STXRIB	96	18.4	53.3	223.4	206.4
Frontiersman	92-E5 VT2ProRIB	92	19.7	54.3	222.4	207.1
Legacy	L-3115 VT2PRO	92	17.0	54.9	221.0	205.3
Peterson	PFS81W95	95	19.0	53.9	220.9	210.2
Dairyland	DS-9599	99	22.5	52.1	218.0	191.7
Mean			19.3	54.0	225.0	205.6
CV %			7.1	1.7	10.3	--
LSD 0.05			1.7	1.1	28.3	--
LSD 0.10			1.4	0.9	23.7	--

Table 18. 2016 Corn - Oakes (Carrington REC) - Authors, K. Cooper, L. Besemann and H. Eslinger (Page 2 of 2).

Company/ Brand	Hybrid	RM ¹	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2016	2-yr. Avg.
					----- (bu/a) -----	
Proseed	1193 VT2P	93	18.4	55.9	217.5	--
Dairyland	DS-9487SSX	87	18.3	53.3	216.9	195.3
Renk	RK522SSTX	94	18.9	53.9	214.9	200.5
Innotech	IC4730-3010	97	21.9	52.9	213.7	--
Proseed	PX695	95	14.9	54.9	212.6	--
NorthStar	NS 94-125 GenSS RIB	94	18.6	55.0	210.5	--
Legacy	L-3715 GENSS	96	20.1	53.5	210.4	--
NuTech	5B-293	93	19.0	54.8	207.2	--
Proseed	1495 SS	95	20.6	53.4	206.3	200.3
REA	3A922-RIB	92	17.5	56.2	205.8	--
Latham	LH4242	92	18.2	55.2	204.9	198.4
Legend	LR 9497	97	19.4	53.7	203.1	187.1
Frontiersman	93-H6 GTCBLL	93	18.7	54.6	201.7	--
Proseed	1295 SS RIB	95	18.7	55.0	200.7	--
Frontiersman	91-E3 VT2ProRIB	91	18.2	54.8	197.5	197.6
Dairyland	DS-9802	98	22.4	50.4	193.5	--
Frontiersman	90-H33220 EZRefuge VIP	90	19.3	53.0	190.4	--
Renk	RK566SSTX	94	18.8	54.1	190.2	--
Proseed	1496SS	96	20.3	53.1	181.8	187.8
Mean			19.3	54.0	225.0	205.6
CV %			7.1	1.7	10.3	--
LSD 0.05			1.7	1.1	28.3	--
LSD 0.10			1.4	0.9	23.7	--

Planted: May 11. Harvested: Oct. 21. Previous crop: soybean.

¹Relative maturity as given by industry.

Table 19. 2016 Corn - Irrigated - Oakes (Carrington REC) - Authors, K. Cooper, L. Besemann and H. Eslinger (Page 1 of 2).

Company/ Brand	Hybrid	RM ¹	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2016 -----(bu/a)-----	2-yr. Avg.
NuTech/G2	5F-198	98	19.7	52.6	277.5	268.0
Latham	LH4727	97	19.9	55.3	275.6	--
Dairyland	DS-7294	94	19.5	56.6	270.2	--
NuTech/G2	X5Y-9902	99	19.7	55.4	268.5	--
Legacy	L-3712 VT3PRO	96	19.7	56.0	268.3	257.4
NuTech/G2	5F-196	96	20.7	53.4	267.5	252.9
Innotech	IC4688-3010	96	20.0	54.6	266.7	--
Latham	LH5095	100	21.3	55.3	266.0	--
Channel	195-18 VT2PRIB	95	20.3	57.2	265.5	--
Latham	LH4955	99	20.1	54.9	262.9	--
Proseed	PX695 VIP 3	95	18.9	57.1	260.0	--
Wensman	W90941STXRIB	94	19.3	55.5	259.1	253.4
Peterson	PFS81W95 VT2PRO	95	19.9	55.1	258.9	260.2
Channel	197-50 VT2PRIB	97	19.9	55.8	258.4	261.7
Thunder	6791 VT2P	91	18.2	55.6	257.8	--
NuTech/G2	5F-894	94	19.1	53.9	257.6	--
Latham	LH5215	102	22.5	54.3	256.6	265.6
Dairyland	DS-9599	99	20.9	54.5	256.6	256.5
Rob-See-Co	RC4343-3110A	93	19.0	57.1	255.3	--
REA	4A962-RIB	96	21.0	56.0	255.1	255.2
Renk	RK568VT3P	95	19.1	56.6	254.6	253.2
Rob-See-Co	RC5112-3011A	101	20.3	56.2	253.0	--
Legacy	L-3715 GENSS	96	19.8	56.1	252.5	--
Wensman	W90994STX RIB	99	20.4	54.3	251.9	--
Wensman	W80972VT2PRO	97	19.4	55.5	251.8	--
Proseed	1495 SS	95	20.2	55.5	249.5	255.5
Integra	5151	101	20.9	55.2	248.9	--
REA	4B931-RIB	93	19.8	55.3	247.5	--
NuTech	X5N-9901	99	19.7	56.0	246.4	--
REA	4B953-RIB	95	18.4	56.6	246.3	250.0
NuTech	5B-293	93	19.9	57.3	245.8	--
Renk	RK522SSTX	94	20.2	55.3	245.0	247.1
Channel	193-53 VT2PRIB	93	19.2	56.1	244.6	--
Latham	LH4454	94	19.2	56.7	244.5	--
Proseed	1496SS VT2PRO	96	21.4	55.6	242.9	242.0
Dairyland	DS-9701RA	101	21.2	53.4	242.8	246.2
Wensman	W90979STXRIB	97	20.4	56.7	242.5	255.9
Renk	RK566SSTX	94	20.4	55.1	242.1	--
Thunder	7396 VT2P	96	19.7	55.4	240.8	--
Proseed	1295 SS RIB	95	21.0	56.3	239.9	--
Mean			19.8	55.6	248.8	250.2
CV %			3.9	1.1	5.7	--
LSD 0.05			1.1	0.9	19.9	--
LSD 0.10			0.9	0.7	15.8	--

Table 19. 2016 Corn - Irrigated - Oakes (Carrington REC) - Authors, K. Cooper, L. Besemann and H. Eslinger (Page 2 of 2).

Company/ Brand	Hybrid	RM ¹	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2016	2-yr. Avg.
					----- (bu/a) -----	
Innotech	IC4453-3110	94	18.6	57.0	239.6	248.8
Peterson	Peterson76S92 VT2PRO	92	18.9	56.5	239.3	233.8
Innotech	IC4730-3010	97	19.8	56.0	238.9	--
Wensman	W90962STXRIB	96	20.0	55.1	238.8	--
Thunder	7993 VT2P	93	19.4	56.5	238.8	242.9
REA	5A982-RIB	98	20.4	56.1	237.7	--
Channel	194-14 VT2PRIB	94	18.6	55.9	235.3	246.3
Dairyland	DS-9802	102	20.9	53.6	234.7	--
Dairyland	DS-9198RA	98	20.3	52.7	234.1	233.6
Legacy	L-3416 VT2PRO	94	20.2	54.9	233.0	--
Legacy	L-3043 VT2PRO	93	18.8	56.7	231.4	233.7
Peterson	Peterson77P94 VT2PRO	94	19.8	55.6	230.9	--
Legacy	L-3115 VT2PRO	92	18.6	55.7	226.4	234.5
Proseed	1193 VT2P	93	19.3	57.7	225.7	--
Dairyland	DS-9487SSX	87	18.3	55.5	204.1	--
Mean			19.8	55.6	248.8	250.2
CV %			3.9	1.1	5.7	--
LSD 0.05			1.1	0.9	19.9	--
LSD 0.10			0.9	0.7	15.8	--

Planted: May 12. Harvested: Oct. 28. Previous crop: spring wheat.

¹Relative maturity as given by industry.

Table 20. 2016 Corn - Dryland - Langdon - Authors, B. Hanson, T. Hakanson and L. Henry.

Company/ Brand	Hybrid	RM ¹	Grain	Test	Grain Yield	
			Moisture (%)	Weight (lb/bu)	2016	2-yr. Avg.
					----- (bu/a) -----	
NuTech/G2	5F-379	79	28.7	50.9	176.4	151.6
NuTech/G2	5F-775	75	25.7	51.4	173.6	150.8
Peterson	PFS21N78	78	24.8	53.3	172.9	151.1
Integra	2803 VT2PRIB	78	24.5	53.8	172.1	146.1
Thunder	EXP 76	76	26.5	54.2	169.3	--
NorthStar	NS 78-510 RR2	78	28.8	53.6	167.2	151.1
Thunder	EXP 80	80	27.6	52.8	167.0	--
Pioneer	P7332R	73	24.0	53.2	161.1	148.1
NorthStar	NS 78-166 VT2P	78	31.6	52.7	159.1	--
Legacy	L-2213 VT2PRO	80	29.2	52.7	158.9	137.8
Wensman	W80818VT2PRO	81	33.0	50.5	158.6	--
Pioneer	P7958AM	79	25.9	53.2	158.1	--
Thunder	4578	78	25.5	53.0	156.9	143.7
Legacy	L-2245 VT2PRO	81	30.2	52.3	156.5	--
Proseed	1378 VT2P	78	26.9	53.2	155.8	140.6
REA	1B790-RIB	79	30.4	52.5	153.9	140.3
Legacy	L-1814 VT2PRO	79	30.0	52.1	150.7	134.4
Wensman	W80809VT2RIB	80	31.4	52.3	150.7	130.4
Proseed	1480 VT2P	80	30.1	52.4	149.9	133.2
NuTech/G2	5F-781	81	32.1	52.0	146.9	147.9
Proseed	1382 VT2P	81	33.5	51.0	146.9	--
NorthStar	NS 81-188 VT2P	81	31.1	51.9	145.1	--
Integra	9302 VT2PRIB	80	27.0	53.9	143.7	127.8
NuTech	X5G-8001	80	26.2	56.1	136.7	--
Proseed	1280 VT2P	80	29.8	52.8	136.2	128.5
Peterson	PFS71C80	80	28.0	54.0	135.6	--
REA	1B730-RIB	73	27.4	56.1	133.0	122.2
NorthStar	NS 80-580 VT2P RIB	80	29.6	53.2	128.7	--
Wensman	W80761VT2RIB	76	29.9	54.6	116.4	124.2
Mean			28.6	53.0	153.0	139.4
CV %			5.7	1.4	7.7	--
LSD 0.05			2.7	1.2	19.4	--
LSD 0.10			2.2	1.0	16.2	--

Planted: May 4. Harvested: Oct. 24.

¹Relative maturity as given by industry.

Table 21. 2016 Corn Using Strip Tillage - Minot (North Central REC) - Authors, E. Eriksmoen, J. Tarasenko and J. Effertz.

Company/ Brand	Hybrid	RM ¹	Grain Moisture (%)	Test Weight ² (lb/bu)	Grain Yield		
					2016	2-yr. Avg. -----(bu/a)-----	3-yr. Avg.
NuTech	5N-183	83	24.1	59.0	202.0	184.5	179.0
REA	2B840-RIB	84	24.5	58.5	194.6	170.8	--
Syngenta	N07H 3110	77	20.7	60.9	192.9	--	--
Syngenta	N15J 3110	82	24.1	60.3	187.0	--	--
NuTech/G2	5F-781	81	23.0	57.6	184.9	168.5	--
NuTech/G2	5F-379	79	20.9	58.6	184.8	159.9	-
Legacy	L-2245 VT2PRO	82	20.4	59.4	183.6	--	--
NuTech	X5B-8403	84	21.1	57.6	181.3	--	--
Wensman	W80827VT2RIB	82	20.7	58.8	178.3	153.6	148.4
Wensman	W80809VT2RIB	80	20.8	60.3	177.9	159.0	155.3
Wensman	W80818VT2PRO	81	19.8	57.8	176.1	--	--
Latham	LH 2937 VT2Pro	79	22.6	60.9	175.2	158.1	--
Integra	3236 VT2PRIB	82	23.9	60.5	174.8	--	--
Wensman	W8083VT2RIB	82	22.3	60.7	174.0	161.5	158.3
Hefty Seed	H3302	83	22.5	58.8	173.7	--	--
NuTech	5N-886	86	25.1	60.3	173.2	--	--
Proseed	1383 VT2P	83	22.2	57.6	171.0	142.5	146.7
Hefty Seed	H2802	78	19.9	59.1	170.0	--	--
Integra	3537 VT2PRIB	85	24.1	58.9	168.7	165.8	--
Latham	LH 3032 RR	80	23.4	59.0	167.4	--	--
Legacy	L-1814 VT2PRO	79	23.5	61.7	167.3	148.1	147.8
Hefty Seed	H2602	76	22.0	61.6	166.6	--	--
Proseed	1283 VT2P	83	22.1	60.6	160.1	131.5	129.7
Integra	3142 VT2PRIB	81	21.0	59.3	159.6	140.3	145.2
Syngenta	N17R 3010A	84	26.7	60.7	159.1	--	--
Syngenta	N08L 3010	78	20.0	58.9	155.5	--	--
Hefty Seed	H3202	82	21.0	59.3	155.0	--	--
NuTech/G2	5F-775	75	18.6	57.0	153.2	142.1	--
REA	1B820-RIB	82	21.7	59.4	152.4	142.2	143.5
Peterson	PFS71C80	80	19.8	60.1	149.8	--	--
REA	1B790-RIB	79	21.9	60.6	148.3	141.1	142.4
Legacy	L-2314 VT2PRO	83	21.0	59.0	147.3	148.6	147.4
Proseed	1280 VT2P	80	20.5	59.0	145.9	132.9	133.6
Peterson	PFS21N78	78	22.7	60.2	143.1	135.5	--
Peterson	PFS71D83	83	21.2	60.2	142.4	137.2	136.1
NuTech	X5G-8001	80	20.8	60.9	141.0	--	--
Integra	2803 VT2PRIB	78	19.6	59.7	140.3	131.1	134.1
Proseed	1483 VT2P	83	24.2	59.4	136.7	--	--
Legacy	L-2213 VT2PRO	80	21.4	60.2	134.9	138.9	147.0
Latham	LH 3397 VT2 Pro	83	20.7	58.6	128.1	131.5	--
Proseed	1480 VT2P	80	21.7	58.5	127.4	130.2	--
Wensman	W80761VT2RIB	76	19.6	60.3	121.1	--	--
Mean			21.8	59.5	161.6	148.2	146.3
CV %			9.1	2.4	12.6	--	--
LSD 0.05			3.0	2.3	33.0	--	--
LSD 0.10			3.0	1.9	28.0	--	--

Planted: May 20. Harvested: Oct. 20.

¹Relative maturity as given by industry.²Test weight and yield are adjusted to 15.5 percent moisture

Spring strip till created with a Dawn Equipment Pluribus system.

Table 22. 2016 Corn Using Twin-Row Spacing - Minot (North Central REC) - Authors, E. Eriksmoen, J. Tarasenko and J. Effertz.

Company/ Brand	Hybrid	RM ¹	Grain Moisture (%)	Test Weight ² (lb/bu)	Grain Yield (bu/a)
NuTech	5N-183	83	22.1	53.2	187.0
NuTech	X5B-8403	84	24.1	53.2	157.7
NuTech	5N-886	86	22.2	53.7	156.9
Syngenta	N07H 3110	77	17.7	55.7	156.1
NuTech/G2	5F-379	79	18.1	52.2	155.0
NuTech/G2	5F-781	81	21.5	51.9	154.6
Legacy	L-2314 VT2PRO	83	21.3	51.9	152.1
REA	2B840-RIB	84	19.3	51.1	149.6
Hefty Seed	H3302	83	22.1	52.7	146.8
Legacy	L-2213 VT2PRO	80	19.1	56.2	145.0
Proseed	1283 VT2P	83	21.6	58.2	144.6
Proseed	1483 VT2P	83	23.0	54.2	144.3
Syngenta	N15J 3110	82	20.3	52.5	143.5
REA	1B790-RIB	79	18.0	58.2	141.7
Proseed	1480 VT2P	80	19.8	57.5	141.1
Wensman	W8083VT2RIB	82	19.6	54.2	140.7
Latham	LH 2937 VT2Pro	79	18.6	58.4	139.4
Latham	LH 3032 RR	80	17.7	54.8	139.1
Peterson	PFS71D83	83	20.3	55.9	139.1
NuTech/G2	5F-775	75	19.7	56.0	136.6
Hefty Seed	H3202	82	20.1	54.9	135.6
Legacy	L-1814 VT2PRO	79	19.1	57.2	135.3
Wensman	W80827VT2RIB	82	19.6	54.5	134.4
Wensman	W80809VT2RIB	80	18.9	57.8	134.2
Integra	2803 VT2PRIB	78	18.8	56.4	133.5
Syngenta	N17R 3010A	84	26.8	55.9	132.3
Syngenta	N08L 3010	78	22.2	58.1	130.9
Legacy	L-2245 VT2PRO	82	23.3	57.8	130.3
Integra	3537 VT2PRIB	85	22.9	53.0	130.1
REA	1B820-RIB	82	20.7	55.9	128.9
Proseed	1383 VT2P	83	19.6	53.1	125.6
Peterson	PFS21N78	78	17.7	54.9	123.9
Hefty Seed	H2802	78	18.5	55.0	123.0
Peterson	PFS71C80	80	20.5	54.5	119.4
Wensman	W80818VT2PRO	81	21.2	51.3	114.4
Proseed	1280 VT2P	80	21.8	54.6	114.1
NuTech	X5G-8001	80	19.2	57.4	112.8
Integra	3236 VT2PRIB	82	20.0	53.0	110.8
Hefty Seed	H2602	76	23.6	57.1	108.9
Latham	LH 3397 VT2 Pro	83	19.8	53.2	106.4
Wensman	W80761VT2RIB	76	20.4	56.8	105.9
Integra	3142 VT2PRIB	81	18.5	55.4	102.1
Mean			20.5	55.0	134.8
CV %			10.7	3.1	10.8
LSD 0.05			4	2.8	24
LSD 0.10			3	2.3	20

Planted: June 3. Harvested: Nov. 9

¹Relative maturity as given by industry.

²Test weight and yield are adjusted to 15.5 percent moisture

Table 23. 2016 Corn - Dryland - Williston - Authors, J. Bergman, G. Pradhan, A. Link and E. Link.

Company/ Brand	Hybrid	RM ¹	Test Weight (lb/bu)	Grain Yield	
				2016	2-yr. Avg.
				------(bu/a)-----	
NuTech/G2	5F-775	75	54.3	62.9	57.9
NuTech	5N-183	83	55.4	59.3	63.9
REA	2B840-RIB	84	56.9	57.1	--
NuTech/G2	5F-781	81	55.8	55.3	57.7
Legacy	L-2245 VT2PRO	83	59.0	54.4	--
Legacy	L-2213 VT2PRO	82	57.5	54.4	55.7
Integra	3537	85	57.9	53.1	57.7
REA	1B820-RIB	82	57.2	52.3	49.1
REA	2B850-RIB	85	56.4	49.1	--
NuTech/G2	5F-379	79	55.1	49.0	50.6
Integra	2803	78	56.9	47.1	48.5
Integra	3142	81	57.6	46.7	50.7
Integra	3236	82	58.2	44.5	--
Mean			56.8	52.7	54.6
CV %			1.1	12.7	--
LSD 0.05			0.9	9.6	--
LSD 0.10			0.8	8.0	--

Planted: June 2. Harvested: Oct. 12. Previous crop: soybean.

¹Relative maturity as given by industry.

Table 24. 2016 Corn - Irrigated - Williston - Authors, J. Jacobs and T. Tjelde.

Company/ Brand	Hybrid	RM ¹	Test Weight (lb/bu)	Grain Yield	
				2016	2-yr. Avg.
				------(bu/a)-----	
Integra	3537VT2PRIB	85	56.1	224.5	191.8
NuTech/G2	5N-183	83	56.4	223.4	177.8
REA	2B840-RIB	84	55.3	215.4	159.1
REA	2B850-RIB	85	55.6	204.2	--
REA	1B790-RIB	79	57.6	197.5	170.7
Integra	2803VT2PRIB	78	55.9	194.9	163.0
Integra	3142VT3PRIB	81	57.9	187.2	150.8
REA	1B820-RIB	82	56.4	180.4	153.2
NuTech/G2	5F-379	79	54.5	176.7	133.0
Integra	3236	82	56.2	155.8	--
Mean			56.2	196.0	162.4
CV %			0.7	8.5	--
LSD 0.05			0.6	24.1	--
LSD 0.10			0.5	20.0	--

Planted: May 13. Harvested: Oct. 25. Previous crop: durum.

¹Relative maturity as given by industry.

Table 25. 2016 Corn - Hettinger - Authors, J. Rickertsen and R. Olson.

Company/ Brand	Hybrid	RM ¹	Grain Moisture (%)	Test Weight (lb/bu)	Grain Yield	
					2016	2-yr. Avg.
					----- (bu/a) -----	
AgVenture	AV2985AB	85	20.4	55.8	141.6	--
Integra	9352 VT3PRO	85	21.9	56.0	138.8	131.8
Proseed	1083	83	18.8	55.6	138.1	--
Legacy	L-2516 VT2PRO	85	20.8	55.0	137.5	--
Proseed	1487	87	21.0	55.4	136.2	--
AgVenture	RL2289AM	82	15.6	53.6	134.7	128.3
Legacy	L-2916 VT2PRO	88	23.1	56.1	134.1	--
Proseed	1383	83	19.4	55.9	134.0	--
REA	2B850-RIB	85	18.0	56.4	134.0	128.2
Legacy	L-2924 VT2PRO	89	23.4	54.3	133.7	129.7
Legacy	L2813 VT2PRO	87	23.2	55.1	133.3	135.3
REA	2B860-RIB	86	18.7	55.8	131.7	--
Integra	3325 GT/CB/LL	83	25.0	56.9	131.6	--
Integra	3537 VT2PRIB	85	22.4	56.1	130.3	129.9
AgVenture	RL3645AM	89	19.0	52.8	129.5	124.7
Proseed	1283	83	20.1	58.9	126.4	115.0
Legacy	L-2245 VT2PRO	82	19.6	58.1	124.1	--
REA	3A330-RIB	90	22.8	53.9	123.8	--
Proseed	1286	86	22.7	55.9	122.6	122.6
REA	2B840-RIB	84	20.7	54.8	119.3	123.0
Proseed	1384	84	21.0	57.2	118.1	117.2
Integra	3236 VT2PRIB	82	19.3	56.5	115.0	--
Proseed	1483	83	20.6	56.0	111.8	--
AgVenture	AV4491AM	91	26.0	54.9	107.1	--
Proseed	1385	85	21.8	54.8	104.2	--
REA	2A871-RIB	87	21.9	56.9	103.9	109.0
Mean			21.0	55.7	126.7	124.5
CV %			9.5	1.7	8.5	--
LSD 0.05			2.8	1.4	15.2	--
LSD 0.10			2.4	1.1	12.7	--

Planted: May 17. Harvested: Oct. 26. Previous crop: wheat.

¹Relative maturity as given by industry.

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