

Corn Grain

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The Minnesota Corn Hybrid Evaluation Program is conducted by the University of Minnesota Agricultural Experiment Station to provide unbiased information for use by corn growers when they choose hybrids to buy and grow. The program was financed in part by entry fees from private seed companies that chose to enter their hybrids for testing.

Test Locations

Test zones, locations and maturities are:

Southern Zone:

Lamberton, Waseca and Rochester
Early Maturity Trial - 103 Relative Maturity (RM) and earlier hybrids
Late Maturity Trial - 104 RM and later hybrids

Central Zone:

Morris and Rosemount
Early Maturity Trial - 96 RM and earlier hybrids
Late Maturity Trial - 97 RM and later hybrids

Northern Zone:

Staples, Rothsay and Crookston

Testing Procedure

Entries: Seed corn companies choose their entries for each zone. Entries in each trial were based on the relative maturity (RM) provided by the company. The University of Minnesota Corn Testing Committee could also choose and enter hybrids in each test. All locations tested three replications for each entry.

Presentation of Data

Yields are given for individual locations along with yields and harvest moisture contents averaged across locations for 2009. Reported yields are adjusted to 15.5% grain moisture. Hybrids are ranked within a maturity group by moisture content averaged across locations for 2009.

Identification of Traits

Genetic modifications of hybrids are identified using generic terms to describe the trait without identifying the specific event for genetic modification.

For example, Bt will identify genetic modification for corn borer resistance but will not differentiate between the Bt 11 event, the YieldGuard corn borer event or the Herculex corn borer events.

Identifiers will be:

Bt = European corn borer resistance
CRW = Corn rootworm resistance
GLY = Glyphosate herbicide resistance
LL = Liberty herbicide resistance

Least Significant Difference

The LSD (Least Significant Difference) figures at the bottom of the yield columns in the tables are statistical measures of variability in the trials. These values may be used to determine whether the difference between any two hybrids is likely to be a real difference or just natural variation.

If the yield difference between two hybrids is equal to or greater than the LSD, then one can be confident

Companies participating in the 2009 hybrid corn grain trials.

AgriGold Hybrids	www.agrigold.com
Albert Lea Seed House (Viking Hybrids)	www.alseed.com
Anderson Seeds	37825 County Rd 63, St Peter, MN 56082
Blue River Hybrids	www.blueriverorgseed.com
Channel	www.channelbio.com
Dahlco Seeds	www.dahlcoseeds.com
Dahlman Seed Co.	www.dahlmanseed.com
Dairyland Seed Co., Inc.	www.dairylandseed.com
Dekalb	www.dekalb.com , www.asgrow.com
Dyna-Gro / CPS	www.dynagroseed.com/dynagro/
G2 Genetics	www.yieldleader.com
Gold Country Seed Inc.	www.goldcountryseed.com
Hyland Seeds	www.hylandseeds.com
Kaltenberg Seeds	www.kaltenbergseeds.com
Kruger Seed Co.	www.krugerseed.com
Legacy Seeds Inc.	www.legacyseeds.com
NuTech Seed	www.nutechseed.com
OCIA MN Education Committee (Viking Hybrids)	www.mnokia.org
Peterson Farms Seed	www.petersonfarmsseed.com
Pioneer Hi-Bred International	www.pioneer.com/usa/
Proseed Inc.	www.proseed.net
Renk Seed Co.	www.renkseed.com
Seeds 2000	www.seeds2000.net
Titan Pro	www.titanprosci.com
Wensman Seed Co.	www.wensmanseed.com

that the two hybrids probably differ in yield potential. We show LSD values with a 0.2 alpha level, which means that when two hybrids differ in yield by the LSD value or more, one can be 80% confident that the two hybrids differ in yield potential. The higher yielding one is the better hybrid from the yield standpoint. If the yield difference between two hybrids is less than the LSD, the two hybrids probably do not differ significantly in yield potential.

Individual trial information, 2009

Location	Cooperators	Previous Crop	Planting Date	Harvest Dates
Lamberton	Steve Quiring	Soybean	4 May	12 November
Waseca	Tom Hoverstad	Soybean	4 May	8 November
Rochester	Fritz Breitenbach	Soybean	8 May	13 November
Morris	George Nelson	Soybean	11 May	Early Hybrids, 4 November Late Hybrids, 11 November
Rosemount	Jerry Holz	Soybean	6 May	16 November
Staples	Bob Schafer	Corn	14 May	17 November
Rothsay	George Nelson Troy Larson	Soybean	19 May	24 November
Crookston	Mark Hanson	Wheat	11 May	19 November

Corn Planting Rate and Date

Bushel Weight, Pounds..... 56
 Planting Rate, Seeds/Acre..... 33,000
 Planting Date..... April 15 – May 5

Early maturity hybrids, southern locations, 2009.

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:			Average Across Locations	
				Lamberton	Rochester	Waseca	Bu/Acre	% Moisture
97 and earlier RM hybrids								
Renk	RK570VT3	Bt CRW GLY	95	217	205	226	216	20.0
Dahlman	R48-07 VT3	Bt CRW GLY	95	175	205	232	204	20.5
Kruger	K-6097VT3	Bt CRW GLY	97	205	218	247	223	20.9
Kruger	K-6295VT3	Bt CRW GLY	95	208	197	219	208	21.2
Viking	Y74-96RL	Bt CRW GLY LL	96	162	178	204	182	21.3
Kruger	K-6093VT3	Bt CRW GLY	93	215	212	231	219	21.4
Wensman Seed	W 7270VT3	Bt CRW GLY	97	203	193	228	208	21.6
NuTech Seed	3T-295 VT3	Bt CRW GLY	95	185	188	212	195	22.1
Dahlman	R48-55 VT3	Bt CRW GLY	96	196	193	202	197	22.3
G2 Genetics	5H-797 RR/HX	Bt Gly LL	96	202	193	225	207	22.4
G2 Genetics	5H-199 RR/HX	Bt Gly LL	97	176	198	222	199	22.4
Anderson Seeds	628 VT3	Bt CRW GLY	96	173	191	231	198	22.5
NuTech Seed	3T-098 VT3	Bt CRW GLY	96	196	207	225	209	22.7
G2 Genetics	5X-999 RR/HXT	Bt CRW GLY LL	97	165	208	220	197	22.7
G2 Genetics	5H-700B RR/HX	Bt Gly LL	97	195	192	217	201	22.8
NuTech Seed	5N-398 GT/CB/LL/RW	Bt CRW GLY LL	97	214	193	233	213	22.9
97 and earlier RM Averages:				193	198	223	205	21.9
98 to 101 RM Hybrids								
Renk	RK575VT3	Bt CRW GLY	98	170	206	227	201	21.1
Dekalb	DKC48-37 (VT3)	Bt CRW GLY	98	174	182	227	194	21.1
Anderson Seeds	6043	—	98	207	180	211	199	21.5
Dekalb	DKC50-66 (VT3)	Bt CRW GLY	100	174	209	235	206	21.8
Kruger	K-6200VT3	Bt CRW GLY	100	192	193	243	209	21.9
AgriGold	A6220VT3	Bt CRW GLY	98	169	188	226	194	21.9
Dahlman	R49-28 VT3	Bt CRW GLY	98	187	187	203	192	22.1
Kruger	K-6298VT3	Bt CRW GLY	98	183	192	229	201	22.1
Dyna-Gro Seed	55V18	Bt CRW GLY	101	206	187	220	205	22.4
Viking	7809VT3	Bt CRW GLY	98	200	186	210	199	22.7
NuTech Seed	3T-601 VT3	Bt CRW GLY	101	198	198	209	202	22.7
Kruger	K-6499VT3	Bt CRW GLY	99	197	199	243	213	22.8
Anderson Seeds	622 VT3	Bt CRW GLY	98	207	171	193	191	23.0
Dairyland	ST-9500Q	Bt CRW GLY LL	99	209	197	229	212	23.1
Dekalb	DKC50-44 (VT3)	Bt CRW GLY	100	194	196	225	205	23.1
Titan Pro	87A99GL	Bt CRW GLY LL	99	201	189	230	207	23.3

Early maturity hybrids, southern locations, 2009 (continued).

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:			Average Across Locations	
				Lamberton	Rochester	Waseca	Bu/Acre	% Moisture
98 to 101 RM Hybrids (continued)								
AgriGold	A6225VT3	Bt CRW GLY	98	188	191	234	204	23.3
Renk	RK594GTCBLLRW	Bt CRW GLY LL	100	192	184	222	199	23.3
Anderson Seeds	6073	—	101	204	199	248	217	23.4
Viking	W86-00L	Bt LL	100	182	196	212	197	23.4
G2 Genetics	5H-501 RR/HX	Bt Gly LL	101	179	217	232	209	23.5
Channel	199-55VT3	Bt CRW GLY	99	193	206	223	207	23.7
Channel	200-22VT3	Bt CRW GLY	100	183	204	241	209	23.7
G2 Genetics	5H-702 RR/HX	Bt Gly LL	101	169	190	238	199	23.9
Viking	60-01N	—	101	230	173	246	216	24.1
Pioneer Brand	37N68	Bt CRW GLY	101	195	181	221	199	24.1
G2 Genetics	5X-802 RR/HXT	Bt CRW GLY LL	101	187	162	211	187	24.2
Kaltenberg	K4149LLGT3	GLY LL	98	198	161	217	192	24.2
Viking	LB6758	Bt LL	98	191	191	232	205	24.2
Kruger	K-6401VT3	Bt CRW GLY	101	196	177	235	202	24.3
NuTech Seed	1N-001 CB/LL/RW	Bt CRW LL	101	178	188	199	188	24.6
NuTech Seed	3T-401 VT3	Bt CRW GLY	101	185	203	242	210	24.7
NuTech Seed	3T-302 VT3	Bt CRW GLY	101	165	170	228	188	25.4
NuTech Seed	1B-202 CB/LL	Bt LL	101	180	185	230	199	25.7
AgriGold	A6279VT3	Bt CRW GLY	101	173	183	231	196	25.8
NuTech Seed	3T-301 VT3	Bt CRW GLY	101	204	184	235	208	26.0
Viking	J66-00L	Bt LL	100	180	174	220	191	26.2
NuTech Seed	3T-801 VT3	Bt CRW GLY	101	218	169	235	207	26.2
98 to 101 RM Averages:				191	188	226	202	23.5
102 to 103 RM Hybrids								
Dekalb	DKC52-59 (VT3)	Bt CRW GLY	102	200	210	243	217	22.3
Kruger	K-6102VT3	Bt CRW GLY	102	203	204	238	215	22.9
NuTech Seed	5B-804 GT/CB/LL	Bt Gly LL	103	185	203	217	201	23.0
NuTech Seed	3A-804 GT	GLY	103	214	200	226	213	23.7
Pioneer Brand	36V53	Bt GLY	102	213	202	232	216	23.8
Dairyland	5T-9703Q	Bt CRW GLY LL	103	195	176	223	198	23.9
Dekalb	DKC53-41 (VT3)	Bt CRW GLY	103	224	210	249	228	23.9
NuTech Seed	3T-904 VT3	Bt CRW GLY	103	202	178	224	202	24.4
AgriGold	A6320VT3	Bt CRW GLY	103	169	180	223	191	24.5
Renk	RK698VT3	Bt CRW GLY	103	187	184	242	204	24.6
Titan Pro	89A02GL	Bt CRW GLY LL	102	185	186	208	193	24.8
Anderson Seeds	103 VT3	Bt CRW GLY	103	196	201	233	210	25.0
AgriGold	A6309VT3	Bt CRW GLY	103	202	206	246	218	25.1
Titan Pro	87A03	Bt CRW GLY LL	103	197	203	240	213	25.2
Anderson Seeds	103 R	GLY	102	171	175	239	195	25.7
Renk	RK670VT3	Bt CRW GLY	103	205	178	228	204	26.0
NuTech Seed	3T-603 VT3	Bt CRW GLY	103	198	165	212	192	26.3
Wensman Seed	W 7360VT3	Bt CRW GLY	103	178	195	242	205	26.3
102 to 103 RM averages:				196	192	231	206	24.5
Southern locations, early maturity averages:				192	191	227	204	23.4
LSD(0.20)				24	15	16	11	0.6

Late maturity hybrids, southern locations, 2009.

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:			Average Across Locations	
				Lamberton	Rochester	Waseca	Bu/Acre	% Moisture
104 RM and later hybrids								
Legacy	L-5350 GTCBLL	Bt Gly LL	104	197	200	214	204	24.3
AgriGold	A6325VT3	Bt CRW GLY	104	219	200	224	214	24.5
Kaltenberg	K5332GT	GLY	104	221	185	241	216	24.7
Titan Pro	89A05GL	Bt CRW GLY LL	105	177	161	221	186	24.9
Anderson Seeds	105 VT3	Bt CRW GLY	105	178	165	215	186	25.3
Viking	GT5781	GLY	104	190	176	218	195	25.7
Kruger	K-6208VT3	Bt CRW GLY	108	183	213	224	206	25.7
G2 Genetics	5H-905 RR/HX	Bt Gly LL	105	211	173	242	209	25.7

Late maturity hybrids, southern locations, 2009 (continued).

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:			Average Across Locations	
				Lamberton	Rochester	Waseca	Bu/Acre	% Moisture
104 RM and later hybrids (continued)								
NuTech Seed	3T-603A VT3	Bt CRW GLY	104	166	183	219	189	25.8
Pioneer Brand	35F44	Bt CRW GLY	105	212	165	225	201	25.9
Legacy	L-4938 VT3	Bt CRW GLY	105	162	179	216	186	26.2
Kaltenberg	K5355GTBt11	Bt GLY	104	213	162	206	194	26.4
Kaltenberg	K5588LLRRHXT	Bt CRW GLY LL	105	170	182	207	186	26.9
Blue River Hybrids	53R57	—	105	232	181	228	214	26.9
G2 Genetics	5X-905 RR/HXT	Bt CRW GLY LL	105	214	170	223	202	27.0
G2 Genetics	5H-007A RR/HX	Bt Gly LL	107	158	183	208	183	27.4
Wensman Seed	W 7433VT3	Bt CRW GLY	105	208	180	221	203	27.4
G2 Genetics	5X-909 RR/HXT	Bt CRW GLY LL	109	223	191	213	209	27.5
Dairyland	ST-9006	Bt CRW GLY	106	188	181	225	198	27.6
Kruger	K-6606VT3	Bt CRW GLY	106	218	172	213	201	27.6
Dekalb	DKC55-07 (VT3)	Bt CRW GLY	105	195	162	226	194	27.7
G2 Genetics	5H-007 RR/HX	Bt Gly LL	107	122	173	220	172	27.7
Dairyland	ST-9206Q	Bt CRW GLY LL	106	198	155	211	188	27.8
NuTech Seed	3T-106 VT3	Bt CRW GLY	106	204	169	220	197	28.1
Kruger	K-6205VT3	Bt CRW GLY	105	201	181	220	201	28.1
Renk	RK760VT3	Bt CRW GLY	106	238	155	227	207	28.2
G2 Genetics	5H-906 RR/HX	Bt Gly LL	106	190	150	206	182	28.3
G2 Genetics	5X-005 RR/HXT	Bt CRW GLY LL	105	169	150	190	170	28.3
Renk	RK711RRHXTRA	Bt CRW GLY LL	107	154	168	204	175	28.3
NuTech Seed	3T-706 VT3	Bt CRW GLY	106	205	178	232	205	28.3
NuTech Seed	5X-805 RR/HXT	Bt CRW GLY	105	168	172	207	182	28.3
Renk	RK744VT3	Bt CRW GLY	107	171	163	236	190	28.4
G2 Genetics	1H-005 HX/LL	Bt LL	105	218	159	193	190	28.4
Dyna-Gro Seed	56R29	Bt CRW GLY	106	182	172	208	187	28.4
Kruger	K-6006VT3	Bt CRW GLY	106	188	177	224	196	28.4
Dekalb	DKC57-66 (VT3)	Bt CRW GLY	107	196	182	218	199	28.5
Kruger	K-6408VT3	Bt CRW GLY	108	165	176	207	183	28.6
Titan Pro	89X04	Bt CRW LL	104	198	158	222	193	28.8
Blue River Hybrids	57H36	—	107	192	165	205	187	29.1
Dekalb	DKC61-69 (VT3)	Bt CRW GLY	111	256	188	209	218	29.6
Dairyland	ST-8208	Bt CRW LL	108	189	180	208	192	29.7
Dekalb	DKC57-50 (VT3)	Bt CRW GLY	107	183	160	211	185	30.1
G2 Genetics	5X-707 RR/HXT	Bt CRW GLY LL	107	168	161	216	181	30.2
Channel	207-07VT3	Bt CRW GLY	107	198	180	239	206	30.8
Wensman Seed	W 7455VT3	Bt CRW GLY	107	204	164	214	194	30.9
Wensman Seed	W 7469VT3	Bt CRW GLY	109	192	152	191	178	31.0
Dekalb	DKC59-64 (VT3)	Bt CRW GLY	109	207	171	210	196	31.5
Southern locations, late maturity averages:				193	173	217	194	27.8
LSD(0.20)				24	21	15	12	1.5

Early maturity hybrids, central locations, 2009.

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:		Average Across Locations	
				Morris	Rosemount	Bu/Acre	% Moisture
93 and earlier RM hybrids							
PFS	92L90	Bt GLY LL	90	144	180	162	22.4
Kruger	K-2090RR/YGCB	Bt GLY	90	135	196	165	23.3
Dahlman	R45-25 VT3	Bt CRW GLY	90	174	195	184	24.0
G2 Genetics	5X-591 RR/HXT	Bt CRW GLY LL	91	130	198	164	24.7
Kruger	K-6490VT3	Bt CRW GLY	90	157	214	185	25.4
NuTech Seed	3P-494+ RR/YGPL	Bt GLY	93	192	211	201	25.8
NuTech Seed	3T-393A VT3	Bt CRW GLY	92	179	178	179	25.8
NuTech Seed	3T-493 VT3	Bt CRW GLY	92	173	192	182	25.9
Dekalb	DKC42-72 (VT3)	Bt CRW GLY	92	166	213	190	25.9
Dekalb	DKC43-27 (VT3)	Bt CRW GLY	93	146	185	165	26.0
NuTech Seed	3T-894 VT3	Bt CRW GLY	93	136	211	174	26.2
Dekalb	DKC38-89 (VT3)	Bt CRW GLY	89	133	205	169	27.4

Early maturity hybrids, central locations, 2009 (continued).

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:		Average Across Locations	
				Morris	Rosemount	Bu/Acre	% Moisture
93 and earlier RM hybrids (continued)							
Channel	193-45R	GLY	93	145	186	165	27.5
Wensman Seed	W 7143VT3	Bt CRW GLY	93	129	207	168	27.6
G2 Genetics	5X-594 RR/HXT	Bt CRW GLY LL	93	140	188	164	27.7
Pioneer Brand	38H08	Bt GLY	92	157	216	186	28.2
NuTech Seed	5B-593 GT/CB/LL	Bt GLY LL	92	174	215	195	28.2
NuTech Seed	3C-889A RR/YGCB	Bt GLY	89	156	225	191	28.3
PFS	68L91	Bt CRW GLY	91	133	206	169	28.4
Dairyland	ST-6992	Bt GLY	92	141	221	181	28.7
Renk	RK434RRYGCB	Bt GLY	92	137	207	172	28.7
NuTech Seed	3T-295A VT3	Bt CRW GLY	93	149	196	172	28.7
Dekalb	DKC40-20 (VT3)	Bt CRW GLY	90	116	187	151	28.9
NuTech Seed	3T-390 VT3	Bt CRW GLY	90	132	220	176	29.0
NuTech Seed	3T-294 VT3	Bt CRW GLY	92	157	207	182	29.5
Kruger	K-6093VT3	Bt CRW GLY	93	138	213	176	29.8
93 RM and earlier averages:				149	203	176	27.0
94 to 96 RM hybrids							
Dairyland	ST-9395	Bt GLY	95	185	223	204	24.8
Dairyland	ST-9196	Bt CRW GLY	96	149	209	179	25.5
Seeds 2000	9501VT3	Bt CRW GLY	95	168	224	196	25.5
Dahlman	R48-07 VT3	Bt CRW GLY	95	144	207	175	26.2
Anderson Seeds	707 VT3	Bt CRW GLY	94	143	200	172	26.9
Renk	RK570VT3	Bt CRW GLY	95	138	232	185	27.1
NuTech Seed	3C-395 RR/YGCB	Bt GLY	95	172	195	183	27.7
Wensman Seed	W 8180VT3	Bt CRW GLY	95	124	200	162	27.7
Seeds 2000	9502VT3	Bt CRW GLY	95	138	207	172	27.8
Kaltenberg	K3843VT3	Bt CRW GLY	95	143	194	168	27.8
NuTech Seed	3T-295 VT3	Bt CRW GLY	95	148	196	172	28.0
Dekalb	DKC46-60 (VT3)	Bt CRW GLY	96	138	208	173	28.2
Channel	195-46VT3	Bt CRW GLY	95	129	188	159	28.8
NuTech Seed	3T-294A VT3	Bt CRW GLY	94	127	206	166	29.1
G2 Genetics	5H-797 RR/HX	Bt GLY LL	96	149	225	187	29.2
Dahlman	R48-55 VT3	Bt CRW GLY	96	117	200	158	29.2
NuTech Seed	1N-695 CB/LL/RW	Bt CRW LL	95	131	183	157	29.3
Renk	RK563CBLLRW	Bt CRW LL	96	156	213	184	29.4
Proseed	896VT3	Bt CRW GLY	96	139	211	175	29.5
Legacy	L-3538 VT3	Bt CRW GLY	95	179	213	196	29.6
Anderson Seeds	628 VT3	Bt CRW GLY	96	164	204	184	29.6
NuTech Seed	5N-398B GT/CB/LL/RW	Bt CRW GLY LL	96	164	215	189	29.6
NuTech Seed	3T-098 VT3	Bt CRW GLY	96	151	224	187	29.8
Renk	RK501VT3	Bt CRW GLY	95	141	216	179	30.3
Kruger	K-6295VT3	Bt CRW GLY	95	148	231	189	30.4
Pioneer Brand	38P43	Bt CRW GLY	95	151	191	171	30.5
NuTech Seed	3A-198 GT	GLY	96	123	187	155	30.9
NuTech Seed	3T-098A VT3	Bt CRW GLY	96	151	213	182	31.5
94 to 96 RM averages:				147	208	177	28.6
Central locations, early maturity averages:				148	205	176	27.8
LSD(0.20)				25	16	15	1.6

Late maturity hybrids, central locations, 2009.

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:		Average Across Locations	
				Morris	Rosemount	Bu/Acre	% Moisture
97 to 99 RM hybrids							
Renk	RK575VT3	Bt CRW GLY	98	186	211	199	23.4
Kruger	K-6097VT3	Bt CRW GLY	97	134	228	181	25.0
PFS	53B97	Bt CRW GLY	97	167	219	193	25.7
Dekalb	DKC48-37 (VT3)	Bt CRW GLY	98	165	211	188	25.7

Late maturity hybrids, central locations, 2009 (continued).

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:		Average Across Locations	
				Morris	Rosemount	Bu/Acre	% Moisture
97 to 99 RM hybrids (continued)							
G2 Genetics	5H-199 RR/HX	Bt GLY LL	97	190	232	211	26.0
NuTech Seed	3T-098B VT3	Bt CRW GLY	98	158	232	195	26.1
Wensman Seed	W7289VT3	Bt CRW GLY	99	164	218	191	26.2
Seeds 2000	9901VT3	Bt CRW GLY	99	164	207	186	26.3
Blue River Hybrids	41R00	—	99	164	202	183	26.3
G2 Genetics	5X-999A RR/HXT	Bt CRW GLY LL	99	188	197	192	26.8
Hyland	HL CVR68	Bt CRW GLY	98	154	203	179	27.1
Dahlman	R49-28 VT3	Bt CRW GLY	98	154	220	187	27.2
NuTech Seed	5N-398 GT/CB/LL/RW	Bt CRW GLY LL	97	171	225	198	27.2
Anderson Seeds	622 VT3	Bt CRW GLY	98	164	191	177	27.5
Kruger	K-6298VT3	Bt CRW GLY	98	155	205	180	27.6
G2 Genetics	5H-999 RR/HX	Bt GLY LL	97	169	225	197	27.6
Proseed	897VT3	Bt CRW GLY	97	165	208	187	27.6
G2 Genetics	5X-999 RR/HXT	Bt CRW GLY LL	97	177	199	188	27.6
Dairyland	ST-9799	Bt CRW GLY	99	149	206	177	27.8
Wensman Seed	W 7270VT3	Bt CRW GLY	97	139	202	170	27.9
G2 Genetics	5H-700B RR/HX	Bt GLY LL	97	166	223	195	28.0
Kaltenberg	K4053VT3	Bt CRW GLY	97	154	204	179	28.3
Seeds 2000	2973GT/CB	Bt GLY	97	141	189	165	28.4
Kaltenberg	K4149LLGT3	GLY LL	98	148	201	174	28.4
Anderson Seeds	6043	—	98	141	213	177	28.6
Dairyland	ST-9597Q	Bt CRW GLY LL	97	144	231	187	28.6
NuTech Seed	3T-600 VT3	Bt CRW GLY	97	148	201	174	28.8
Kruger	K-6499VT3	Bt CRW GLY	99	148	215	182	28.9
Wensman Seed	W 7273VT3	Bt CRW GLY	98	148	200	174	29.6
Titan Pro	89X97	Bt CRW LL	97	139	202	170	29.8
Dairyland	ST-9500Q	Bt CRW GLY LL	99	130	227	178	30.0
G2 Genetics	5H-999B RR/HX	Bt GLY LL	97	185	221	203	30.0
NuTech Seed	3T-300 VT3	Bt CRW GLY	97	157	206	181	31.8
Blue River Hybrids	44R57	—	99	136	250	193	31.8
97 to 99 RM averages:				158	212	185	27.7
Later than 99 RM hybrids							
Dekalb	DKC52-59 (VT3)	Bt CRW GLY	102	170	208	189	25.6
Kruger	K-6200VT3	Bt CRW GLY	100	168	230	199	27.1
Dekalb	DKC50-66 (VT3)	Bt CRW GLY	100	169	230	200	27.1
Kruger	K-6102VT3	Bt CRW GLY	102	151	217	184	27.2
Renk	RK616VT3	Bt CRW GLY	100	133	205	169	27.6
Renk	RK594GTCBLLRW	Bt CRW GLY LL	100	176	210	193	27.7
Dekalb	DKC50-44 (VT3)	Bt CRW GLY	100	155	206	180	27.8
Proseed	8100GT	GLY	100	169	206	187	28.0
NuTech Seed	3T-601 VT3	Bt CRW GLY	101	164	214	189	28.2
G2 Genetics	5H-501 RR/HX	Bt GLY LL	101	159	235	197	28.3
Channel	200-22VT3	Bt CRW GLY	100	163	206	185	28.9
G2 Genetics	5H-702 RR/HX	Bt GLY LL	101	146	231	189	29.1
Pioneer Brand	36V53	Bt GLY	102	162	234	198	29.1
Proseed	9102VT3	Bt CRW GLY	102	153	209	181	29.3
Renk	RK698VT3	Bt CRW GLY	103	175	211	193	30.2
G2 Genetics	5X-802 RR/HXT	Bt CRW GLY LL	101	137	203	170	30.4
Kaltenberg	K5332GT	GLY	104	119	225	172	30.8
PFS	59CO2	Bt CRW GLY	102	159	207	183	30.8
Kruger	K-6401VT3	Bt CRW GLY	101	137	210	173	31.0
Renk	RK670VT3	Bt CRW GLY	103	149	205	177	31.0
NuTech Seed	1B-202 CB/LL	Bt LL	101	146	218	182	31.0
Blue River Hybrids	48B30	—	102	147	237	192	31.2
Hyland	HL CVR74	Bt CRW GLY	100	140	211	176	31.4
Titan Pro	87A03	Bt CRW GLY LL	103	149	225	187	31.5
Titan Pro	89A02GL	Bt CRW GLY LL	102	164	197	180	31.6
Dairyland	ST-9703Q	Bt CRW GLY LL	103	133	210	172	31.7
NuTech Seed	1N-001 CB/LL/RW	Bt CRW LL	101	152	205	179	31.8
Legacy	L-4009 HXTRR	Bt CRW GLY LL	101	126	211	168	32.6

Late maturity hybrids, central locations, 2009 (continued).

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:		Average Across Locations	
				Morris	Rosemount	Bu/Acre	% Moisture
Later than 99 RM hybrids (continued)							
NuTech Seed	3T-401 VT3	Bt CRW GLY	101	125	213	169	32.9
Pioneer Brand	35F44	Bt CRW GLY	105	125	225	175	33.6
Legacy	L-4258 VT3	Bt CRW GLY	102	157	225	191	33.6
Renk	RK686VT3	Bt CRW GLY	103	129	227	178	33.8
NuTech Seed	3T-302 VT3	Bt CRW GLY	101	126	216	171	33.9
NuTech Seed	3T-801 VT3	Bt CRW GLY	101	142	213	177	34.4
Later than 99 RM averages:				149	216	183	30.3
Central locations, late maturity averages:				153	214	184	29.0
LSD(0.20)				26	17	15	1.4

Northern locations, 2009.

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:			Average Across Locations	
				Rothsay	Staples	Crookston	Bu/Acre	% Moisture
82 and earlier RM hybrids								
Kruger	K-6378VT3	Bt CRW GLY	78	139	136	140	138	22.9
Wensman Seed	W 7083VT3	Bt CRW GLY	80	168	177	141	162	23.3
Kruger	K-2381RR/YGCB	Bt GLY	81	144	140	154	146	24.4
Dahlco	8781 RR	GLY	78	163	145	121	143	24.8
Dahlco	X-7085 VT3	Bt CRW GLY	80	189	166	168	174	25.2
NuTech Seed	3C-882 RR/YGCB	Bt GLY	82	153	149	145	149	25.5
Kaltenberg	K2615LLGTBt11	Bt GLY LL	82	163	167	135	155	26.1
Viking	0.89-80N	—	80	150	146	94	130	26.9
NuTech Seed	3T-083 VT3	Bt CRW GLY	82	165	140	130	145	27.9
G2 Genetics	5H-884 RR/HX	Bt GLY LL	82	171	155	138	155	28.3
Renk	RK212CBLL	Bt LL	82	194	154	155	168	29.7
NuTech Seed	1B-186 CB/LL	Bt LL	82	193	158	146	166	30.2
NuTech Seed	1B-183 CB/LL	Bt LL	82	179	170	131	160	30.3
NuTech Seed	3T-484 VT3	Bt CRW GLY	82	188	176	155	173	30.7
Dahlco	2146 conv	—	80	134	135	104	124	31.6
Proseed	781RRBT	Bt GLY	81	160	142	117	140	36.5
82 and earlier RM averages:				166	153	136	152	27.8
83 to 87 RM hybrids								
Kruger	K-6385VT3	Bt CRW GLY	85	179	174	144	166	22.3
Gold Country	84-03VT3	Bt CRW GLY	84	192	175	151	173	22.7
Pioneer Brand	39V07	Bt GLY	83	187	150	155	164	23.2
PFS	54M83	Bt CRW GLY	83	176	165	167	169	24.9
Hyland	HL R228	GLY	85	185	180	155	173	25.2
Channel	185-38R	GLY	85	177	155	134	156	25.5
Seeds 2000	2843RR	GLY	84	169	157	139	155	26.5
Dekalb	DKC35-19 (RR2/YGCB)	Bt GLY	85	176	165	150	164	26.7
Kruger	K-1286RR	GLY	86	187	170	156	171	27.1
Dyna-Gro Seed	52V01	Bt CRW GLY	87	200	174	164	179	27.1
Gold Country	87-01VT3	Bt CRW GLY	87	180	171	160	170	27.1
Hyland	HL R231	GLY	87	157	142	145	148	27.2
Dekalb	DKC36-34 (VT3)	Bt CRW GLY	86	179	165	159	168	27.5
Dahlman	D43-56 CBLL	Bt LL	86	192	171	149	171	27.7
PFS	56J86	Bt CRW GLY	86	176	181	179	178	27.9
Proseed	884VT3	Bt CRW GLY	84	153	137	122	137	28.3
Legacy	L-2850 VT3	Bt CRW GLY	87	199	166	174	180	28.7
Dahlco	8841 VT3	Bt CRW GLY	84	167	141	129	146	29.0
Dahlman	R42-26 CB	Bt GLY	84	162	151	136	150	29.3
Dahlman	R43-42 VT3	Bt CRW GLY	86	205	178	163	182	29.4
Wensman Seed	W 7089VT3	Bt CRW GLY	86	190	180	171	180	29.5
Proseed	787VT3	Bt CRW GLY	87	173	156	145	158	30.1
Dyna-Gro Seed	CX08287	Bt GLY LL	87	173	152	152	159	30.7
NuTech Seed	1N-887 CB/LL/RW	Bt CRW LL	86	172	156	143	157	31.5

Northern locations, 2009 (continued).

Source/ Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:			Average Across Locations	
				Rothsay	Staples	Crookston	Bu/Acre	% Moisture
83 to 87 RM hybrids (continued)								
NuTech Seed	1B-290 CB/LL	Bt LL	87	175	171	115	154	31.7
Kaltenberg	K3039LLGTBt11	Bt GLY LL	87	173	164	146	161	31.7
Renk	RK302CBLL	Bt LL	87	191	153	162	169	31.8
Dairyland	ST-7985	Bt GLY LL	85	183	160	142	162	32.2
Dahlco	7871 GTCBLL	Bt GLY LL	87	157	147	139	147	32.2
NuTech Seed	1B-887 CB/LL	Bt LL	86	143	149	116	136	32.5
NuTech Seed	3C-889 RR/YGCB	Bt GLY	87	180	176	148	168	32.5
Renk	RK292GTCBLL	Bt GLY LL	85	158	155	132	148	33.3
Hyland	HL R220	GLY	85	166	150	129	148	33.6
Hyland	HL B34R	Bt GLY	86	186	168	131	161	33.6
Blue River Hybrids	25M90	—	86	164	153	121	146	33.8
NuTech Seed	3C-389 RR/YGCB	Bt GLY	87	173	146	138	153	34.1
Proseed	786CBLLRW	Bt CRW LL	86	170	142	136	149	34.8
Hyland	HL CVR36	Bt CRW GLY	86	161	139	118	139	35.0
PFS	37L84	Bt GLY	84	151	149	132	144	35.8
83 to 87 RM averages:				175	160	145	160	29.6
88 to 92 RM hybrids								
Channel	190-20R	GLY	90	179	163	136	159	27.3
Kruger	K-6388VT3	Bt CRW GLY	88	177	185	158	173	27.5
Dahlco	7881 RR	GLY	88	185	171	145	167	27.9
Hyland	HL CVR48	Bt CRW GLY	88	168	173	143	161	28.7
Kruger	K-2090RR/YGCB	Bt GLY	90	179	155	158	164	29.3
Kruger	K-6490VT3	Bt CRW GLY	90	190	163	160	171	29.3
Seeds 2000	8801VT3	Bt CRW GLY	88	197	175	153	175	29.7
Gold Country	89-09RR	GLY	89	190	158	158	168	31.2
Hyland	HL CVR44	Bt CRW GLY	88	177	140	131	149	31.5
PFS	68L91	Bt CRW GLY	91	165	165	148	159	31.5
PFS	92L90	Bt GLY LL	90	167	168	144	160	31.8
NuTech Seed	3T-493 VT3	Bt CRW GLY	92	176	151	128	152	31.8
Dairyland	ST-7789	Bt GLY	89	177	173	152	167	31.9
Dekalb	DKC40-20 (VT3)	Bt CRW GLY	90	187	164	142	165	32.0
Dekalb	DKC38-89 (VT3)	Bt CRW GLY	89	196	152	130	159	32.4
NuTech Seed	3T-390 VT3	Bt CRW GLY	90	189	156	142	162	32.6
NuTech Seed	3T-294 VT3	Bt CRW GLY	92	205	173	150	176	32.7
Dahlman	R45-25 VT3	Bt CRW GLY	90	171	165	138	158	32.8
Pioneer Brand	39N99	Bt GLY	89	184	157	134	158	32.8
Dairyland	ST-7790	Bt GLY LL	90	169	149	123	147	33.1
Renk	RK434RRYGCB	Bt GLY	92	177	186	145	169	33.6
Wensman Seed	W 7107VT3	Bt CRW GLY	90	174	163	151	162	33.8
Dairyland	ST-7891	Bt GLY LL	91	152	144	138	145	33.8
G2 Genetics	5X-591B RR/HXT	Bt CRW GLY LL	91	160	163	115	146	34.9
Dairyland	ST-6992	Bt GLY	92	190	169	129	163	35.0
NuTech Seed	3C-889A RR/YGCB	Bt GLY	89	171	170	135	158	35.1
Pioneer Brand	38H08	Bt GLY	92	207	136	147	164	35.3
Hyland	HL CVR54	Bt CRW GLY	92	183	180	146	170	35.6
Gold Country	92-03VT3	Bt CRW GLY	92	189	165	139	164	36.4
NuTech Seed	3P-191 RR/YGPL	Bt CRW GLY	91	180	150	113	148	36.5
G2 Genetics	5X-591 RR/HXT	Bt CRW GLY LL	91	145	146	113	135	36.7
NuTech Seed	5B-593 GT/CB/LL	Bt GLY LL	92	172	145	117	145	37.9
NuTech Seed	3T-393A VT3	Bt CRW GLY	92	195	167	128	163	38.6
NuTech Seed	3A-690 RR	GLY	90	160	136	99	132	39.8
Blue River Hybrids	30B19	—	90	167	147	95	137	43.0
Viking	O.99-90N	—	90	151	124	82	119	44.6
88 to 92 RM averages:				178	160	135	158	33.6
93 and later RM hybrids								
Dyna-Gro Seed	CX09892	GLY	93	210	174	150	178	30.1
Dekalb	DKC43-27 (VT3)	Bt CRW GLY	93	164	169	142	158	31.0
NuTech Seed	3T-894 VT3	Bt CRW GLY	93	180	150	137	156	32.7
NuTech Seed	3T-294A VT3	Bt CRW GLY	94	201	175	161	179	32.9

Northern locations, 2009 (continued).

Source / Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/Acre at:			Average Across Locations	
				Rothsay	Staples	Crookston	Bu/Acre	% Moisture
93 and later RM hybrids (continued)								
Channel	193-45R	GLY	93	174	146	120	147	33.9
Proseed	894VT3	Bt CRW GLY	94	176	180	142	166	35.5
NuTech Seed	3T-295 VT3	Bt CRW GLY	95	181	162	128	157	35.6
Kaltenberg	K3636LLRWBt11	Bt CRW LL	93	177	151	134	154	36.1
NuTech Seed	3P-494+ RR/YGPL	Bt GLY	93	172	161	128	153	36.1
Kruger	K-6093VT3	Bt CRW GLY	93	176	162	125	154	37.2
Dairyland	ST-9395	Bt GLY	95	173	165	142	160	38.0
NuTech Seed	3T-393 VT3	Bt CRW GLY	93	172	173	133	160	38.2
G2 Genetics	5H-797 RR/HX	Bt GLY LL	96	171	151	141	154	38.4
Proseed	793CBLLGT	Bt GLY LL	93	162	134	123	140	38.5
Dyna-Gro Seed	V3593VT3	Bt CRW GLY	95	189	155	137	160	38.7
Wensman Seed	W 8180VT3	Bt CRW GLY	95	162	140	142	148	38.7
NuTech Seed	3T-995 VT3	Bt CRW GLY	95	167	148	122	146	38.7
NuTech Seed	3P-995 RR/YGPL	Bt CRW GLY	95	167	144	125	146	39.0
Proseed	794CBLLGT	Bt GLY LL	94	164	126	103	131	39.0
NuTech Seed	3C-395 RR/YGCB	Bt GLY	95	169	137	126	144	39.6
G2 Genetics	5X-594 RR/HXT	Bt CRW GLY LL	93	129	142	98	123	40.4
NuTech Seed	1N-695 CB/LL/RW	Bt CRW LL	95	123	129	94	115	43.7
93 and Later RM averages:				171	153	130	151	36.9
Northern locations averages:				174	158	137	156	32.0
LSD(0.20)				16	15	17	14	3.2