

2009 Minnesota Hybrid Corn Performance Trials

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Results of the Minnesota Corn Hybrid Evaluation Program are presented in this bulletin. The program was 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 as follows:

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 will be 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 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.

Table 1a. Participating Companies

Names and mailing addresses of companies participating in the 2009 trials:

AgriGold Hybrids: Rt.1 Box 203 St Francisville, IL 62460
Albert Lea Seed House (Viking Hybrids): Box 127, 1414 W. Main, Albert Lea, MN 56007
Anderson Seeds: 37825 Co. Road 63, St. Peter, MN 56082
Blue River Hybrids: 27087 Timber Road, Kelley IA 50134
Channel: 1107 Overlook Drive, Preston, MN 55965
Dahlco Seeds: 14730 15th St SW, Cokato, MN 55321
Dahlman Seed Co.: 73504 200 th St., Dassel, MN 55325
Dairyland Seed Co., Inc.: Box 958, West Bend, WI 53095
Dekalb (Monsanto Co.): 102 W. Carol Ave., Courtland, IL 60112
Dyna-Gro / CPS: 708 West Spruce St. Fergus Falls, MN 56537
G2 Genetics: 415 South Duff, Suite C, Ames, IA 50010
Gold Country Seed Inc.: 16506 Hwy 15 North, PO Box 604, Hutchinson, MN 55350-0604
Hyland Seeds: 2 Hyland Drive, Blenheim, Ontario, Canada NOP 1A0
Kaltenberg Seeds: 5506 State Rd 19 Box 278, Waunakee, WI 53597
Kruger Seed Co.: 33938 160 th Ave., Dike, IA 50624
Legacy Seeds Inc.: 1937 Spindt Dr. Waupaca, WI 54981
NuTech Seed: 415 South Duff, Suite C, Ames, IA 50010
OCIA MN Education Committee (Viking Hybrids) 2609 Wheat Drive, Red Lake Falls, MN 56750
Peterson Farms Seed: 3104 164 th Ave S.E. Harwood, ND 58092
Pioneer Hi-Bred Int'l., Inc.: 151 Saint Andrews Ct., Mankato, MN 56001
Proseed: 705 E Brewster, Harvey, ND 58341
Renk Seed Co.: 6809 Wilburn Rd., Sun Prairie, WI 53590
Seeds 2000: Box 200 115 N 3 rd St., Breckenridge, MN 56520
Titan Pro: 710 W Hwy 18, Garner IA 50438
Wensman Seed Co.: Box 190, Wadena, MN 56482

Table 1b. Participating Companies

Names and Internet links of companies participating in the 2009 trials:

AgriGold Hybrids : www.agrigold.comAlbert Lea Seed House (Viking Hybrids): www.alseed.comBlue River Hybrids: www.blueriverorgseed.comChannel: www.channelbio.comDahlco Seeds: www.dahlcoseeds.comDahlman Seed Co.: www.dahlmanseed.comDairyland Seed Co., Inc.: www.dairylandseed.comDekalb: www.dekalb.com, www.asgrow.comDyna-Gro / CPS: www.dynagroseed.com/dynagro/G2 Genetics: www.yieldleader.comGold Country Seed Inc.: www.goldcountryseed.comHyland Seeds: www.hylandseeds.comKaltenberg Seeds: www.kaltenbergseeds.comKruger Seed Co.: www.krugerseed.comLegacy Seeds Inc.: www.legacyseeds.comNuTech Seed: www.nutechseed.comOCIA MN Education Committee (Viking Hybrids) www.mnocia.orgPeterson Farms Seed: www.petersonfarmsseed.comPioneer Hi-Bred Int'l., Inc.: www.pioneer.com/usa/Proseed Inc.: www.proseed.netRenk Seed Co.: www.renkseed.comSeeds 2000: www.seeds2000.netTitan Pro: www.titanprosci.comWensman Seed Co.: www.wensmanseed.com

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								
DeKalb	DKC61-69 (VT3)	Bt CRW GLY	111	256	188	209	218	29.6
Kaltenberg	K5332GT	GLY	104	221	185	241	216	24.7
AgriGold	A6325VT3	Bt CRW GLY	104	219	200	224	214	24.5
Blue River Hybrids	53R57		105	232	181	228	214	26.9
G2 Genetics	5X-909 RR/HXT	Bt CRW GLY LL	109	223	191	213	209	27.5
G2 Genetics	5H-905 RR/HX	Bt GLY LL	105	211	173	242	209	25.7
Renk	RK760VT3	Bt CRW GLY	106	238	155	227	207	28.2
Kruger	K-6208VT3	Bt CRW GLY	108	183	213	224	206	25.7
Channel	207-07VT3	Bt CRW GLY	107	198	180	239	206	30.8
NuTech Seed	3T-706 VT3	Bt CRW GLY	106	205	178	232	205	28.3
Legacy	L-5350 GTCBLL	Bt GLY LL	104	197	200	214	204	24.3
Wensman Seed	W 7433VT3	Bt CRW GLY	105	208	180	221	203	27.4
G2 Genetics	5X-905 RR/HXT	Bt CRW GLY LL	105	214	170	223	202	27.0
Kruger	K-6606VT3	Bt CRW GLY	106	218	172	213	201	27.6
Pioneer Brand	35F44	Bt CRW GLY	105	212	165	225	201	25.9
Kruger	K-6205VT3	Bt CRW GLY	105	201	181	220	201	28.1
DeKalb	DKC57-66 (VT3)	Bt CRW GLY	107	196	182	218	199	28.5
Dairyland	ST-9006	Bt CRW GLY	106	188	181	225	198	27.6
NuTech Seed	3T-106 VT3	Bt CRW GLY	106	204	169	220	197	28.1
Kruger	K-6006VT3	Bt CRW GLY	106	188	177	224	196	28.4
DeKalb	DKC59-64 (VT3)	Bt CRW GLY	109	207	171	210	196	31.5
Viking	GT5781	GLY	104	190	176	218	195	25.7
DeKalb	DKC55-07 (VT3)	Bt CRW GLY	105	195	162	226	194	27.7
Wensman Seed	W 7455VT3	Bt CRW GLY	107	204	164	214	194	30.9
Kaltenberg	K5355GTBt11	Bt GLY	104	213	162	206	194	26.4
Titan Pro	89X04	Bt CRW LL	104	198	158	222	193	28.8
Dairyland	ST-8208	Bt CRW LL	108	189	180	208	192	29.7
G2 Genetics	1H-005 HX/LL	Bt LL	105	218	159	193	190	28.4
Renk	RK744VT3	Bt CRW GLY	107	171	163	236	190	28.4
NuTech Seed	3T-603A VT3	Bt CRW GLY	104	166	183	219	189	25.8
Dairyland	ST-9206Q	Bt CRW GLY LL	106	198	155	211	188	27.8
Blue River Hybrids	57H36		107	192	165	205	187	29.1
Dyna-Gro Seed	56R29	Bt CRW GLY	106	182	172	208	187	28.4
Kaltenberg	K5588LLRRHXT	Bt CRW GLY LL	105	170	182	207	186	26.9
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
Legacy	L-4938 VT3	Bt CRW GLY	105	162	179	216	186	26.2
DeKalb	DKC57-50 (VT3)	Bt CRW GLY	107	183	160	211	185	30.1
G2 Genetics	5H-007A RR/HX	Bt GLY LL	107	158	183	208	183	27.4
Kruger	K-6408VT3	Bt CRW GLY	108	165	176	207	183	28.6
NuTech Seed	5X-805 RR/HXT	Bt CRW GLY	105	168	172	207	182	28.3
G2 Genetics	5H-906 RR/HX	Bt GLY LL	106	190	150	206	182	28.3
G2 Genetics	5X-707 RR/HXT	Bt CRW GLY LL	107	168	161	216	181	30.2
Wensman Seed	W 7469VT3	Bt CRW GLY	109	192	152	191	178	31.0
Renk	RK711RRHXTRA	Bt CRW GLY LL	107	154	168	204	175	28.3
G2 Genetics	5H-007 RR/HX	Bt GLY LL	107	122	173	220	172	27.7
G2 Genetics	5X-005 RR/HXT	Bt CRW GLY LL	105	169	150	190	170	28.3
Southern Locations, Late Maturity Averages:				193	173	217	194	27.8
LSD(0.20)				24	21	15	12	1.5

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							
G2 Genetics	5H-199 RR/HX	Bt GLY LL	97	190	232	211	26.0
G2 Genetics	5H-999B RR/HX	Bt GLY LL	97	185	221	203	30.0
Renk	RK575VT3	Bt CRW GLY	98	186	211	199	23.4
NuTech Seed	5N-398 GT/CB/LL/RW	Bt CRW GLY LL	97	171	225	198	27.2
G2 Genetics	5H-999 RR/HX	Bt GLY LL	97	169	225	197	27.6
NuTech Seed	3T-098B VT3	Bt CRW GLY	98	158	232	195	26.1
G2 Genetics	5H-700B RR/HX	Bt GLY LL	97	166	223	195	28.0
PFS	53B97	Bt CRW GLY	97	167	219	193	25.7
Blue River Hybrids	44R57		99	136	250	193	31.8
G2 Genetics	5X-999A RR/HXT	Bt CRW GLY LL	99	188	197	192	26.8
Wensman Seed	W7289VT3	Bt CRW GLY	99	164	218	191	26.2
DeKalb	DKC48-37 (VT3)	Bt CRW GLY	98	165	211	188	25.7
G2 Genetics	5X-999 RR/HXT	Bt CRW GLY LL	97	177	199	188	27.6
Dairyland	ST-9597Q	Bt CRW GLY LL	97	144	231	187	28.6
Dahlman	R49-28 VT3	Bt CRW GLY	98	154	220	187	27.2
Proseed	897VT3	Bt CRW GLY	97	165	208	187	27.6
Seeds 2000	9901VT3	Bt CRW GLY	99	164	207	186	26.3
Blue River Hybrids	41R00		99	164	202	183	26.3
Kruger	K-6499VT3	Bt CRW GLY	99	148	215	182	28.9
NuTech Seed	3T-300 VT3	Bt CRW GLY	97	157	206	181	31.8
Kruger	K-6097VT3	Bt CRW GLY	97	134	228	181	25.0
Kruger	K-6298VT3	Bt CRW GLY	98	155	205	180	27.6
Kaltenberg	K4053VT3	Bt CRW GLY	97	154	204	179	28.3
Hyland	HL CVR68	Bt CRW GLY	98	154	203	179	27.1
Dairyland	ST-9500Q	Bt CRW GLY LL	99	130	227	178	30.0
Anderson Seeds	622 VT3	Bt CRW GLY	98	164	191	177	27.5
Dairyland	ST-9799	Bt CRW GLY	99	149	206	177	27.8
Anderson Seeds	6043		98	141	213	177	28.6
NuTech Seed	3T-600 VT3	Bt CRW GLY	97	148	201	174	28.8
Kaltenberg	K4149LLGT3	GLY LL	98	148	201	174	28.4
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
Wensman Seed	W 7270VT3	Bt CRW GLY	97	139	202	170	27.9
Seeds 2000	2973GT/CB	Bt GLY	97	141	189	165	28.4
99 RM and earlier averages:				158	212	185	27.7
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
Later than 99 RM hybrids							
DeKalb	DKC50-66 (VT3)	Bt CRW GLY	100	169	230	200	27.1
Kruger	K-6200VT3	Bt CRW GLY	100	168	230	199	27.1
Pioneer Brand	36V53	Bt GLY	102	162	234	198	29.1
G2 Genetics	5H-501 RR/HX	Bt GLY LL	101	159	235	197	28.3
Renk	RK698VT3	Bt CRW GLY	103	175	211	193	30.2
Renk	RK594GTCBLLRW	Bt CRW GLY LL	100	176	210	193	27.7
Blue River Hybrids	48B30		102	147	237	192	31.2
Legacy	L-4258 VT3	Bt CRW GLY	102	157	225	191	33.6
DeKalb	DKC52-59 (VT3)	Bt CRW GLY	102	170	208	189	25.6
NuTech Seed	3T-601 VT3	Bt CRW GLY	101	164	214	189	28.2
G2 Genetics	5H-702 RR/HX	Bt GLY LL	101	146	231	189	29.1
Proseed	8100GT	GLY	100	169	206	187	28.0
Titan Pro	87A03	Bt CRW GLY LL	103	149	225	187	31.5
Channel	200-22VT3	Bt CRW GLY	100	163	206	185	28.9
Kruger	K-6102VT3	Bt CRW GLY	102	151	217	184	27.2
PFS	59CO2	Bt CRW GLY	102	159	207	183	30.8

NuTech Seed	1B-202 CB/LL	Bt LL	101	146	218	182	31.0
Proseed	9102VT3	Bt CRW GLY	102	153	209	181	29.3
Titan Pro	89A02GL	Bt CRW GLY LL	102	164	197	180	31.6
DeKalb	DKC50-44 (VT3)	Bt CRW GLY	100	155	206	180	27.8
NuTech Seed	1N-001 CB/LL/RW	Bt CRW LL	101	152	205	179	31.8
Renk	RK686VT3	Bt CRW GLY	103	129	227	178	33.8
NuTech Seed	3T-801 VT3	Bt CRW GLY	101	142	213	177	34.4
Renk	RK670VT3	Bt CRW GLY	103	149	205	177	31.0
Hyland	HL CVR74	Bt CRW GLY	100	140	211	176	31.4
Pioneer Brand	35F44	Bt CRW GLY	105	125	225	175	33.6
Kruger	K-6401VT3	Bt CRW GLY	101	137	210	173	31.0
Kaltenberg	K5332GT	GLY	104	119	225	172	30.8
Dairyland	ST-9703Q	Bt CRW GLY LL	103	133	210	172	31.7
NuTech Seed	3T-302 VT3	Bt CRW GLY	101	126	216	171	33.9
G2 Genetics	5X-802 RR/HXT	Bt CRW GLY LL	101	137	203	170	30.4
Renk	RK616VT3	Bt CRW GLY	100	133	205	169	27.6
NuTech Seed	3T-401 VT3	Bt CRW GLY	101	125	213	169	32.9
Legacy	L-4009 HXTRR	Bt CRW GLY LL	101	126	211	168	32.6
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				Average Across Locations				
Source/Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/acre at:			Bu/Acre	% Moisture
				Rothsay	Staples	Crookston		
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	O.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								
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
Legacy	L-2850 VT3	Bt CRW GLY	87	199	166	174	180	28.7
Dyna-Gro Seed	52V01	Bt CRW GLY	87	200	174	164	179	27.1
PFS	56J86	Bt CRW GLY	86	176	181	179	178	27.9
Hyland	HL R228	GLY	85	185	180	155	173	25.2
Gold Country	84-03VT3	Bt CRW GLY	84	192	175	151	173	22.7
Kruger	K-1286RR	GLY	86	187	170	156	171	27.1
Dahlman	D43-56 CBLL	Bt LL	86	192	171	149	171	27.7
Gold Country	87-01VT3	Bt CRW GLY	87	180	171	160	170	27.1
PFS	54M83	Bt CRW GLY	83	176	165	167	169	24.9
Renk	RK302CBLL	Bt LL	87	191	153	162	169	31.8
NuTech Seed	3C-889 RR/YGCB	Bt GLY	87	180	176	148	168	32.5
DeKalb	DKC36-34 (VT3)	Bt CRW GLY	86	179	165	159	168	27.5
Kruger	K-6385VT3	Bt CRW GLY	85	179	174	144	166	22.3
Pioneer Brand	39V07	Bt GLY	83	187	150	155	164	23.2
DeKalb	DKC35-19 (RR2/YGCB)	Bt GLY	85	176	165	150	164	26.7
Dairyland	ST-7985	Bt GLY LL	85	183	160	142	162	32.2
Hyland	HL B34R	Bt GLY	86	186	168	131	161	33.6
Kaltenberg	K3039LLGTBt11	Bt GLY LL	87	173	164	146	161	31.7
Dyna-Gro Seed	CX08287	Bt GLY LL	87	173	152	152	159	30.7
Proseed	787VT3	Bt CRW GLY	87	173	156	145	158	30.1
NuTech Seed	1N-887 CB/LL/RW	Bt CRW LL	86	172	156	143	157	31.5
Channel	185-38R	GLY	85	177	155	134	156	25.5
Seeds 2000	2843RR	GLY	84	169	157	139	155	26.5
NuTech Seed	1B-290 CB/LL	Bt LL	87	175	171	115	154	31.7
NuTech Seed	3C-389 RR/YGCB	Bt GLY	87	173	146	138	153	34.1
Dahlman	R42-26 CB	Bt GLY	84	162	151	136	150	29.3
Proseed	786CBLLRW	Bt CRW LL	86	170	142	136	149	34.8
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 R231	GLY	87	157	142	145	148	27.2
Dahlco	7871 GTCBLL	Bt GLY LL	87	157	147	139	147	32.2
Blue River Hybrids	25M90		86	164	153	121	146	33.8
Dahlco	8841 VT3	Bt CRW GLY	84	167	141	129	146	29.0
PFS	37L84	Bt GLY	84	151	149	132	144	35.8
Hyland	HL CVR36	Bt CRW GLY	86	161	139	118	139	35.0
Proseed	884VT3	Bt CRW GLY	84	153	137	122	137	28.3
NuTech Seed	1B-887 CB/LL	Bt LL	86	143	149	116	136	32.5
83 to 87 RM averages:				175	160	145	160	29.6

Northern Locations, 2009, continued								
Source/Brand	Hybrid	Traits	Relative Maturity	Yield, Bushels/acre at:			Average Across Locations	
				Rothsay	Staples	Crookston	Bu/Acre	% Moisture
88 to 92 RM hybrids								
NuTech Seed	3T-294 VT3	Bt CRW GLY	92	205	173	150	176	32.7
Seeds 2000	8801VT3	Bt CRW GLY	88	197	175	153	175	29.7
Kruger	K-6388VT3	Bt CRW GLY	88	177	185	158	173	27.5
Kruger	K-6490VT3	Bt CRW GLY	90	190	163	160	171	29.3
Hyland	HL CVR54	Bt CRW GLY	92	183	180	146	170	35.6
Renk	RK434RRYGCB	Bt GLY	92	177	186	145	169	33.6
Gold Country	89-09RR	GLY	89	190	158	158	168	31.2
Dahlco	7881 RR	GLY	88	185	171	145	167	27.9
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
Gold Country	92-03VT3	Bt CRW GLY	92	189	165	139	164	36.4
Kruger	K-2090RR/YGCB	Bt GLY	90	179	155	158	164	29.3
Pioneer Brand	38H08	Bt GLY	92	207	136	147	164	35.3
NuTech Seed	3T-393A VT3	Bt CRW GLY	92	195	167	128	163	38.6
Dairyland	ST-6992	Bt GLY	92	190	169	129	163	35.0
Wensman Seed	W 7107VT3	Bt CRW GLY	90	174	163	151	162	33.8
NuTech Seed	3T-390 VT3	Bt CRW GLY	90	189	156	142	162	32.6
Hyland	HL CVR48	Bt CRW GLY	88	168	173	143	161	28.7
PFS	92L90	Bt GLY LL	90	167	168	144	160	31.8
PFS	68L91	Bt CRW GLY	91	165	165	148	159	31.5
Channel	190-20R	GLY	90	179	163	136	159	27.3
DeKalb	DKC38-89 (VT3)	Bt CRW GLY	89	196	152	130	159	32.4
NuTech Seed	3C-889A RR/YGCB	Bt GLY	89	171	170	135	158	35.1
Pioneer Brand	39N99	Bt GLY	89	184	157	134	158	32.8
Dahlman	R45-25 VT3	Bt CRW GLY	90	171	165	138	158	32.8
NuTech Seed	3T-493 VT3	Bt CRW GLY	92	176	151	128	152	31.8
Hyland	HL CVR44	Bt CRW GLY	88	177	140	131	149	31.5
NuTech Seed	3P-191 RR/YGPL	Bt CRW GLY	91	180	150	113	148	36.5
Dairyland	ST-7790	Bt GLY LL	90	169	149	123	147	33.1
G2 Genetics	5X-591B RR/HXT	Bt CRW GLY LL	91	160	163	115	146	34.9
Dairyland	ST-7891	Bt GLY LL	91	152	144	138	145	33.8
NuTech Seed	5B-593 GT/CB/LL	Bt GLY LL	92	172	145	117	145	37.9
Blue River Hybrids	30B19		90	167	147	95	137	43.0
G2 Genetics	5X-591 RR/HXT	Bt CRW GLY LL	91	145	146	113	135	36.7
NuTech Seed	3A-690 RR	GLY	90	160	136	99	132	39.8
Viking	O.99-90N		90	151	124	82	119	44.6
88 to 92 RM averages:				178	160	135	158	33.6
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								
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
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