

Table 10. Northern Zone Grain Trial

WHITE LAKE = WHL, SPOONER DRYLAND SAND = SPD, SPOONER IRRIGATED SAND = SPI, SPOONER DRYLAND SILT LOAM = SPS

BRAND	HYBRID	Genes [†]	2004									2003				7 Trial	
			AVERAGE			SPD	SPI	SPS	AVERAGE		WHL	SPD	SPI	SPS	AVERAGE		
			Yield	P.I.	Moist Test				Lodged	Yield						P.I.	Yield
bu/A	#	%	Wt.	%	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A				
Brunner	S8204		122	96	26.1	52	4	79	148	138 *							
Dahlman	R4215RR	J	134	101	26.9	49	2	123	145	133	117	104 *	90 *	79 *	183	117 *	126
Kaltenberg	K2404		128	98	27.9	48	3	108	141	136							
Golden Harvest	H6485Bt	G	135	100	27.9	48	0	116	174 *	115							
Mycogen	2J086	J	122	96	27.9	48	3	112	131	123							
Dairyland	Stealth 1685		129	98	28.0	48	2	118	146	122	109	99	100 *	62	165	108 *	119
Renk	RK232		129	98	28.2	49	3	116	150	121	113	102 *	83	77 *	175	116 *	121
Dairyland	Stealth 1280		124	96	28.3	48	3	109	138	126							
Johnson Seeds	4240		117	93	28.3	48	4	89	141	122							
RAGT Semences	MX227		124	96	28.4	49	5	103	144	124	105	96	85	54	176	105	115
Mycogen	2P172	J	139	102 *	28.4	50	1	120	163	134							
Carharts Blue Top	CX585Bt	G	142	103 *	28.7	48	1	136 *	156	134							
Carharts Blue Top	CX8500A		132	99	28.7	49	2	118	155	124	110	99	70	76 *	196 *	98	121
Pioneer	39D82	G	156 *	108 *	28.8	49	1	154 *	166	149 *	126 *	107 *	119 *	75 *	203 *	107	141 *
Renk	RK288YGCB	G	134	100	28.8	47	2	126	156	120							
Johnson Seeds	2121		129	98	28.8	48	2	121	151	115							
Brunner	S3403RRBt	GJ	153 *	107 *	29.0	48	0	142 *	177 *	139 *							
Mycogen	2R194	GJ	146 *	104 *	29.0	49	0	126	177 *	135							
NK Brand	N25-J7	K	142	103 *	29.2	49	0	123	163	141 *	115	103 *	80	78 *	190	113 *	129
Golden Harvest	H6155RR	J	123	95	29.2	49	2	110	145	113	107	98	89 *	61	176	102	115
85-DAY HYBRID TRIAL AVERAGE##						29.3											
Dairyland	Stealth 1476		110	90	29.3	52	5	78	140	114							
NK Brand	N22-T8	K	145	104 *	29.4	51	1	130	159	146 *							
Brunner	S2055RR	J	131	98	29.5	48	3	114	142	138 *	120 *	106 *	118 *	76 *	177	109 *	127
North Gro	1605YGCBBR	GJ	147 *	104 *	29.7	49	0	136 *	168	137							
Carharts Blue Top	CR840RB	GJ	143	103 *	29.7	48	0	140 *	153	134	113	99	105 *	69	172	106	128
Garst	8986YG1RR	GJ	149 *	105 *	29.8	48	1	137 *	164	145 *							
Pioneer	38W22	LD	150 *	105 *	29.8	49	0	131	177 *	142 *							
Pioneer	39F28	LD	160 *	108 *	30.2	49	0	135	189 *	154 *							
Mycogen	X24334	J	128	97	30.7	47	1	119	140	126							
Dairyland	Stealth 7191	GJ	146 *	103 *	31.0	47	1	128	169	142 *	123 *	103 *	102 *	63	209 *	118 *	135 *
90-DAY HYBRID TRIAL AVERAGE##						31.7											
NK Brand	N2555BT	K	145	102 *	31.9	48	0	136 *	166	132	121 *	104 *	103 *	68	201 *	113 *	132 *
Renk	RK282		129	96	32.6	46	2	126	143	119							
Kaltenberg	K2727Bt	G	135	98	32.9	47	0	127	163	115	111	96	51	70	199 *	122 *	121
Renk	RK438YGCB	G	145	101	32.9	47	1	132	176 *	126	132 *	107 *	117 *	80 *	203 *	127 *	137 *
Kaltenberg	K4664		141	100	33.0	46	2	120	167	135							
Pioneer	38P04	LD	152 *	104 *	33.0	46	0	137 *	179 *	142 *	115	99	87	66	201 *	109 *	133 *
Garst	8922YG1	G	145	101	33.8	47	1	143 *	161	130							
Carharts Blue Top	CR1857RB	GJ	147 *	102 *	33.8	47	0	146 *	168	126	122 *	103 *	82	80 *	199 *	127 *	132 *
NK Brand	N3030BT	K	123	92	34.2	47	2	92	159	119							
Dairyland	Stealth 1690		128	95	35.5	48	1	133	144	108							
NK Brand	N29-A2	K	147 *	101	35.8	47	0	131	169	142 *	124 *	104 *	105 *	78 *	210 *	104	136 *
MEAN			137	100	30.1	48	1	122	158	130	113	100	88	70	187	108	128
LSD(0.10)**			14	6	1.6	1	2	18	16	16	12	7	30	11	17	19	10

[†] Code = Trait(Gene): B=bmr(bm3); C=IMI(IT); D=LL(T25); F,G,K,L=Bt-ECB(Bt176, Mon810, Bt11, TC1507); H,J=RR(MonGA21, Nk603); M=Leafy; N=Bt-CRW(Mon863); X=Unknown; respectively.

P.I. = Performance Index, evaluates hybrids by combining yield, moisture, and lodged % at a 50(yield) : 35(moisture) : 15(lodged) ratio.

Average grain moisture of all hybrids in this trial as rated by the Minnesota Relative Maturity Rating System. Ratings are rounded to 5-day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.