

# 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 <sup>†</sup>	2003								2002					2 YEAR		
			AVERAGE				WHL	SPD	SPI	SPS	AVERAGE		WHL	SPD	SPI	SPS	AVERAGE	
			Yield bu/A	P.I. #	Moist %	Test Wt. %	Lodged %	Yield bu/A	Yield bu/A	Yield bu/A	Yield bu/A	Yield bu/A	P.I. #	Yield bu/A	Yield bu/A	Yield bu/A	Yield bu/A	Yield bu/A
LG Seeds	LG2355		107	97	18.4	54	13	94	* 55	178	100							
Dairyland	Stealth 1685		109	99	18.7	54	14	100	* 62	165	108 *							
NK Brand	N16N7	GD	108	100 *	18.7	58	1	66	83 *	188	95							
Carharts Blue Top	CR85RR	J	107	97	18.9	55	8	75	65	185	103							
Dahlman	R4215	X	117	104 *	19.1	54	7	90	* 79 *	183	117 *							
Golden Harvest	H6155RR	J	107	98	19.1	54	7	89	* 61	176	102							
Renk	RK232		113	102 *	19.2	55	6	83	77 *	175	116 *	160	102	146	182 *	170	145	137 *
NK Brand	N17R3	KD	110	101 *	19.5	56	1	105	* 66	174	93	155	101	163 *	140	157	161	132
Ragt Semences	MX227		105	96	19.6	54	12	85	54	176	105							
<b>85-DAY HYBRID TRIAL AVERAGE##</b>							19.8											
North-Gro	1541RR	J	117	103 *	19.9	54	10	103	* 78 *	178	109 *							
Pioneer	39D82	G	126 *	107 *	19.9	54	5	119	* 75 *	203	* 107	160	102	150	161	162	166	143 *
Golden Harvest	H6395		119	104 *	19.9	54	4	95	* 79 *	192	109 *							
NK Brand	N25J7	GD	115	103 *	19.9	55	1	80	78 *	190	113 *							
Carharts Blue Top	CX8500A		110	99	19.9	54	6	70	76 *	196	* 98	162	103	154	181 *	153	157	136 *
Renk	RK288		106	97	20.0	53	9	70	64	175	115 *							
Dynagro	51N39		102	94	20.3	52	7	75	58	185	88							
Renk	RK240		106	98	20.4	52	4	78	69	177	98							
Brunner	S2055RR	X	120 *	106 *	20.4	54	2	118	* 76 *	177	109 *							
Dairyland	Stealth 7191	GX	123 *	103 *	20.8	53	12	102	* 63	209	* 118 *							
NK Brand	N2555BT	KD	121 *	104 *	21.0	55	7	103	* 68	201	* 113 *	170	104	168 *	175	169	166	145 *
Kaltenberg	K2515RRBt	XX	111	98	21.2	54	13	74	79 *	180	111 *							
Brunner	S2823RRBt	GX	109	96	21.2	54	16	97	* 58	182	100							
Carharts Blue Top	CR840RB	GX	113	99	21.4	53	16	105	* 69	172	106							
Dairyland	Stealth 1089Bt	G	113	98	21.4	53	9	66	76 *	203	* 106	165	102	150	168	183	156	139 *
<b>90-DAY HYBRID TRIAL AVERAGE##</b>							22.0											
Ragt Semences	PG002		112	100 *	22.2	56	8	79	81 *	179	108 *	157	100	178 *	142	158	146	134 *
Brunner	S2852RRBt	GX	109	95	22.3	52	16	74	66	187	109 *							
Carharts Blue Top	CR8500RB	GX	113	98	22.3	53	9	87	65	200	* 101	161	101	133	172	175	164	137 *
Pioneer	38P04	L	115	99	22.9	52	9	87	66	201	* 109 *							
Kaltenberg	K2727Bt	X	111	96	23.4	52	9	51	70	199	* 122 *	174	106 *	157	182 *	196 *	160	142 *
Carharts Blue Top	CR1857RB	GX	122 *	103 *	23.5	53	9	82	80 *	199	* 127 *							
Renk	RK438YGCB	G	132 *	107 *	23.6	53	13	117	* 80 *	203	* 127 *							
NK Brand	N29A2	GD	124 *	104 *	23.8	52	5	105	* 78 *	210	* 104							
Brown	4250YGCB	G	110	93	25.6	51	18	79	53	183	124 *							
MEAN			113	100	20.9	54	9	88	70	187	108	155	100	145	160	158	157	138
LSD(0.10)**			12	7	1.7	1	9	30	11	17	19	17	6	15	20	24	18	11

<sup>†</sup> Code = Trait(Gene): B=bmr(bm3); C=IMI(IT); D=LL(T25); F,G,K,L=Bt-ECB(Bt176, Mon810, Bt11, Cry1F); 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.