

# Table 4. Southern Zone - Early Maturity Grain Trial (page 1 of 2)

105 DAY RELATIVE MATURITY OR EARLIER, BASED ON COMPANY RATING (ARLINGTON = ARL, JANESVILLE = JAN, LANCASTER = LAN)

BRAND	HYBRID	Genes†	2004						2003					6 Test		
			AVERAGE				ARL	JAN	LAN	AVERAGE		ARL	JAN	LAN	AVERAGE	
			Yield bu/A	P.I. #	Moist %	Test Wt.	Lodged %	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
Dekalb	DKC4623(YGCRW)	N	186	93	17.1	57	1	179	196	184						
Dairyland	Stealth 5497	G	207	98	17.1	56	1	208	197	215						
Access	A1500RR	J	234 *	103 *	17.9	57	0	209	258 *	233						
Dekalb	DKC5018(YGCB)	G	219	100 *	18.5	57	0	199	223	236	182	100	198 *	186	160	200
Dekalb	DKC5247(RR2YGCB)	GH	232	102 *	18.6	56	0	218 *	239 *	238						
Dekalb	DKC5141(RR2YGRW)	NJ	206	97	18.6	57	0	194	202	223						
Kruger	K9306YGCB	G	229	101 *	19.3	55	0	212	229	246	199 *	103 *	212 *	198	189 *	214 *
Croplan Genetics	401Bt	G	212	98	19.3	57	0	192	223	221	192	102 *	202 *	192	180	202
Renk	RK772YGCB	G	224	100 *	19.5	54	0	208	224	241	190	102 *	201 *	183	186 *	207
Wyffels	W2713	G	228	101 *	19.8	54	1	220 *	219	246						
<b>100-DAY HYBRID TRIAL AVERAGE##</b>					<b>20.0</b>											
La Crosse Forage	LC7455		228	101 *	20.0	57	0	205	242 *	236						
Dynagro	55F53	G	215	98	20.2	55	0	192	231	222						
Wyffels	W2690		219	99	20.2	55	1	208	228	220						
Brown	4910RRYGCB	GJ	216	98	20.6	56	1	215	228	205						
Cornelius	C358RRYG	GJ	228	100 *	20.8	54	0	207	230	247						
Midwest	G7221B	G	231	101 *	20.9	54	2	208	242 *	242	192	102 *	188	197	192 *	212 *
La Crosse Forage	LC4602		228	101 *	20.9	55	0	208	239 *	238						
Dekalb	DKC5451(YGCB)	G	230	101 *	21.0	55	1	222 *	230	239						
Croplan Genetics	501Bt	G	224	99	21.1	54	0	204	225	242						
Hughes	4762	G	235 *	102 *	21.1	53	1	223 *	243 *	239	195 *	102 *	195 *	215 *	175	215 *
Jung	6573YGCB	G	231	101 *	21.2	53	0	213	242 *	237						
Renk	RK636RRYGCB	GJ	232	101 *	21.3	53	0	207	252 *	236	193	103 *	204 *	190	187 *	213 *
NK Brand	N50-P5	K	232	101 *	21.4	53	0	211	248 *	238	194 *	103 *	194 *	198	189 *	213 *
OBrien	OB1014		236 *	102 *	21.5	53	1	220 *	248 *	242						
Renk	RK652LLYGCB	K	221	99	21.5	53	0	214	224	225						
Dekalb	DKC5334(RRYGCB)	GH	225	100 *	21.5	55	0	222 *	224	228	185	100	204 *	200	153	205
Carharts Blue Top	CR1960RB	GJ	238 *	102 *	21.6	53	0	221 *	241 *	251 *						
Mycogen	2K541	GJ	226	100 *	21.6	53	0	217 *	232	229						
Kussmaul	K533		214	97	21.6	54	1	194	233	217						
Cornelius	C406		218	98	21.8	52	0	188	235	229						
Mycogen	2R570	LD	243 *	103 *	21.8	52	0	215	257 *	256 *						
Brown	5636RRYGCB	GJ	227	100 *	21.9	53	2	226 *	233	222						
Growmark	FS4882		214	97	21.9	54	1	210	208	224	183	99	196 *	190	164	199
Spangler	5300G	G	237 *	102 *	21.9	54	1	232 *	235	245	181	99	180	196	165	209 *
Growmark	FS4453		239 *	102 *	22.0	53	1	220 *	240 *	256 *	195 *	102 *	204 *	192	188 *	217 *
Golden Harvest	H8249Bt	G	223	99	22.0	53	0	211	231	228						
Dairyland	DST10562		239 *	102 *	22.3	52	1	223 *	238 *	258 *						
<b>105-DAY HYBRID TRIAL AVERAGE##</b>					<b>22.5</b>											
Dairyland	Stealth 5104	G	228	100 *	22.5	54	0	218 *	241 *	226	203 *	104 *	199 *	206 *	203 *	216 *
Kruger	K9305		224	99	22.5	54	0	214	228	230						
Kaltenberg	K5215Bt	G	232	100 *	22.6	54	0	208	250 *	236						
Wyffels	W3813	G	240 *	102 *	22.7	54	0	224 *	246 *	249	188	100	204 *	184	177	214 *
AgriGold	XA5311Bt	G	222	98	22.7	55	0	210	224	230						
Mycogen	2G626	G	234 *	101 *	22.7	53	1	219 *	245 *	237						

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**Table 4 (continued). Southern Zone - Early Maturity Grain Trial (page 2 of 2)**

105 DAY RELATIVE MATURITY OR EARLIER, BASED ON COMPANY RATING (ARLINGTON = ARL, JANESVILLE = JAN, LANCASTER = LAN)

BRAND	HYBRID	Genes <sup>†</sup>	2004						2003					6 Test		
			AVERAGE				ARL	JAN	LAN	AVERAGE		ARL	JAN	LAN	AVERAGE	
			Yield bu/A	P.I. #	Moist %	Test Wt.	Lodged %	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
Access	A5405YGCB	G	238 *	102 *	22.7	53	1	220 *	244 *	251 *						
Kussmaul	K505Y	G	242 *	103 *	22.8	53	1	229 *	240 *	257 *						
Pioneer	35R58	G	227	99	22.8	54	2	211	231	240						
Jung	6545YGCB	G	231	100 *	22.8	54	1	213	243 *	238						
Renk	RK700YGCB	G	233 *	100 *	23.0	53	1	214	247 *	238	197 *	102 *	204 *	209 *	179	215 *
Dairyland	Stealth 5503	G	239 *	102 *	23.1	53	1	223 *	234	259 *						
High Cycle	HC7601YGCB	G	225	99	23.1	54	1	212	232	231						
LG Seeds	LG2533		239 *	102 *	23.1	52	0	222 *	252 *	243	198 *	102 *	201 *	203	190 *	218 *
Access	A5503YGCB	G	230	100 *	23.1	54	0	213	239 *	238						
Dynagro	55F21	G	219	97	23.3	53	0	205	211	241						
Hughes	4133	G	233 *	100 *	23.3	53	2	215	235	249						
Garst	NE685IT	C	239 *	102 *	23.4	53	1	220 *	244 *	252 *						
North Gro	5939YGRW	N	210	95	23.4	53	1	187	208	236						
Pioneer	36B11	GJ	230	100 *	23.4	55	0	216 *	234	241						
AgriGold	A6305Bt	G	241 *	102 *	23.5	52	1	215	242 *	265 *	183	98	199 *	187	163	212 *
Carharts Blue Top	CX1057Bt	G	229	99	23.5	53	1	211	223	252 *	184	99	193 *	190	170	207
AgriGold	A6333		232	100 *	23.5	52	1	212	234	249						
Access	A1506RR	J	241 *	102 *	23.5	54	1	224 *	256 *	243						
Croplan Genetics	503Bt	G	231	100 *	23.5	54	0	195	247 *	251 *	196 *	103 *	191	199	198 *	214 *
Cornelius	C382YG	G	245 *	103 *	23.5	53	1	220 *	251 *	265 *						
Spangler	5003G	G	227	99	23.6	54	0	209	236 *	235	206 *	105 *	207 *	216 *	195 *	216 *
Carharts Blue Top	CX1505Bt	G	236 *	101 *	23.6	54	0	209	249 *	249						
Brown	6220		221	97	24.0	52	1	204	220	238	186	99	191	196	171	203
AgriGold	XA5416Bt	G	216	96	24.1	54	0	206	219	224						
Access	A2506RRYGCB	GJ	244 *	103 *	24.2	54	0	222 *	248 *	263 *						
NK Brand	NX5553	K	231	99	24.2	52	0	206	230	256 *						
AgriGold	A6333Bt	G	239 *	101 *	24.5	52	0	221 *	247 *	248						
Trelay	7012		229	99	25.4	52	0	211	238 *	238	203 *	104 *	207 *	220 *	182 *	216 *
Cornelius	C417YG	G	237 *	100 *	25.6	53	1	220 *	238 *	254 *	189	100	188	204 *	175	213 *
MEAN			228	100	22.0	54	1	212	234	239	187	100	192	194	175	211
LSD(0.10)**			12	3	1.4	1	1	16	22	15	12	3	20	16	22	9

<sup>†</sup> 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.