

Corn Grain Hybrid Tests in Tennessee

2011

PRELIMINARY REPORT

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Variety test results are posted on UT's website at:

**<http://varietytrials.tennessee.edu/>
and
www.utcrops.com**

Table 1. Location information from research and education centers where the corn hybrid tests were conducted in Tennessee in 2011.

Research and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Early Season Corn Hybrids					
East Tennessee	Knoxville	April 19, 2011	September 12, 2011	27,926	Sequatchie Silt Loam
Highland Rim (irrigated)	Springfield	April 18, 2011	August 30, 2011	24,652	Sango Silt Loam
" " (non-irrigated)	"	April 19, 2011	September 12, 2011	23,255	Staser Silt Loam
Milan (irrigated)	Milan	May 9, 2011	September 27, 2011	28,374	Loring, Memphis Silt Loam
" (non-irrigated)	"	May 9, 2011	September 13, 2011	28,374	Grenada Silt Loam
Ames Plantation	Grand Junction	May 6, 2011	September 28, 2011	27,926	Lexington Silt Loam
Agricenter International	Memphis	May 11, 2011	September 28, 2011	28,827	Falaya Silt Loam

Research and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Medium Season Corn Hybrids					
East Tennessee	Knoxville	April 19, 2011	September 19, 2011	25,528	Sequatchie Silt Loam
Highland Rim (irrigated)	Springfield	April 18, 2011	September 9, 2011	24,499	Sango Silt Loam
" " (non-irrigated)	"	April 19, 2011	September 14, 2011	23,083	Staser Silt Loam
Milan (irrigated)	Milan	May 9, 2011	September 28, 2011	28,074	Loring, Memphis Silt Loam
" (non-irrigated)	"	May 9, 2011	September 14, 2011	28,167	Grenada Silt Loam
Ames Plantation	Grand Junction	May 6, 2011	September 28, 2011	25,528	Lexington Silt Loam
Agricenter International	Memphis	May 11, 2011	September 27, 2011	28,743	Falaya Silt Loam

Research and Education Center	Location	Planting Date	Harvest Date	Plant Population	Soil Type
Full Season Corn Hybrids					
East Tennessee	Knoxville	April 19, 2011	September 19, 2011	25,649	Sequatchie Silt Loam
Highland Rim (irrigated)	Springfield	April 18, 2011	September 16, 2011	25,062	Sango Silt Loam
" " (non-irrigated)	"	April 19, 2011	September 14, 2011	21,916	Staser Silt Loam
Milan (irrigated)	Milan	May 9, 2011	September 28, 2011	28,072	Grenada Silt Loam
" (non-irrigated)	"	May 9, 2011	September 14, 2011	28,537	Grenada Silt Loam
Ames Plantation	Grand Junction	May 6, 2011	September 29, 2011	25,649	Lexington Silt Loam

Table 2. Mean yields of 39 early-season (<114 DAP) corn hybrids evaluated in seven environments in Tennessee during 2011.

Brand	Hybrid	Avg.	Springfield		Milan		AgCenter		
		Yield [†] (n=7)	Knoxville (Irr.)**	(Non-Irr.)	(Irr.)	(Non-Irr.)	Ames	Memphis	
		----- bu/a -----							
Mycogen	2V738 (RR/LL/CB/RW)	190	185	190	181	231	169	161	216
DeKalb	DKC61-88 GENVT3P	190	188	164	201	248	187	161	181
AgVenture	RL8428HB (RR/LL/CB)	189	207	164	175	249	188	150	194
DeKalb	DKC62-09 GENVT3P	189	176	178	190	248	175	162	196
Mycogen	2V715 (RR/LL/CB/RW)	189	188	153	188	233	181	157	223
Agrigold	A6489VT3	188	197	159	209	249	172	137	196
Wyffels	W7477 (VT3Pro)	188	191	153	190	245	178	145	213
Steyer	X113101 VT3Pro	188	192	147	198	246	176	153	201
Steyer	X112101 VT3Pro	185	210	130	166	248	181	161	201
DeKalb	DKC63-87 GENVT2P	185	180	144	213	248	177	153	181
Augusta	A0720CBLL	184	167	144	194	250	174	149	211
Dairyland	9111 (RR/LL/CB/RW)	184	173	169	193	217	168	146	220
Croplan	6286SS	183	171	162	214	221	152	150	211
Augusta	A5337EVT3	181	184	143	193	246	175	141	189
Augusta	A0606GTCLL	181	173	141	187	235	167	146	220
Agrigold	A6553VT3	181	180	130	175	237	173	145	228
Armor	1161PRO V (VT3)	180	165	154	175	245	164	138	224
Agrigold	A6533VT3	180	169	137	192	240	181	143	195
Augusta	A5461GTCLL	179	189	139	173	243	163	144	205
NK Brand	N74F-3000GT (RR/LL/CB/RW)	179	183	152	180	238	173	154	174
Augusta	A5175CB	179	177	150	182	239	158	139	207
NK Brand	N68A-3000GT (RR/LL/CB/RW)	177	171	175	176	225	162	133	199
Dairyland	7115 (RR/CB)	177	207	153	145	230	152	145	208
Croplan	6125VT3	176	167	147	184	238	179	141	178
Armor	1262DPro (VT2)	176	160	140	198	239	163	136	195
Dyna-Gro	D51VP40 (VT3P)	176	170	129	167	244	173	152	196
Agrigold	A6476VT3Pro	176	175	160	180	237	162	141	172
Dyna-Gro	CX111113 (VT3P)	174	171	156	168	222	177	150	175
Dairyland	9910 (VT3)	174	141	148	184	228	150	148	218
Augusta	A5558VT3P	173	180	128	198	224	158	140	184
Agrigold	A6458VT3	173	167	132	197	246	171	132	167
DeKalb	DKC62-63 GENVT3P	172	151	131	173	254	182	143	171
Dairyland	7313 (VT3)	172	162	183	185	228	156	135	153
Augusta	A5462GT3000	170	180	134	181	236	177	123	161
Augusta	A5560VT3	169	143	139	164	244	171	108	216
Augusta	A5658GTCLL	167	162	132	178	216	157	137	186
Agrigold	A6452VT3	163	173	143	176	237	159	122	133
Wyffels	W7997 (VT3Pro)	161	159	125	171	212	165	146	152
Augusta	A2854CBLL	147	163	127	156	191	143	119	127
Avg. (bu/a)		178	175	149	183	236	169	144	190
L.S.D._{.05} (bu/a)		10	24	38	32	16	20	22	21
C.V. (%)		8.8	8.2	15.4	10.6	4.2	7.3	9.6	7

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

[†]All Yields are adjusted to 15.5% moisture.

YGRW, RW, CRW = contains a gene for rootworm resistance

LL = contains a gene for tolerance to glufosinate

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm and glyphosate resistance

CL = contains a gene for tolerance to Imidazolinone class herbicides

** - Irrigated field at Springfield is located on a more marginal soil type, while the non-irrigated field was located on a more productive soil.

Differences in the soil type along with rainfall at critical periods in the crop's development resulted in the non-irrigated test out-performing the irrigated tests at the Springfield location.

Table 3. Overall mean yields and agronomic characteristics of 39 early-season corn hybrids evaluated in seven environments in Tennessee during 2011.

Brand	Hybrid	Avg. Yield [†]	Moisture	Test	Lodging	Plant	Ear	Protein	Oil	Starch
		(n=7) bu/a	at Harvest (n=7) %	Weight (n=1) lbs/bu	(n=3) %	Height [‡] (n=3) in.	Height [‡] (n=3) in.	(n=1) %	(n=1) %	(n=1) %
Mycogen	2V738 (RR/LL/CB/RW)	190	17.0	55.8	1	97	34			
DeKalb	DKC61-88 GENVT3P	190	16.1	56.1	1	94	31			
AgVenture	RL8428HB (RR/LL/CB)	189	17.8	55.9	0	102	28			
DeKalb	DKC62-09 GENVT3P	189	16.0	56.1	1	94	33			
Mycogen	2V715 (RR/LL/CB/RW)	189	15.6	52.8	1	97	34			
Agrigold	A6489VT3	188	17.0	56.1	3	89	32			
Wyffels	W7477 (VT3Pro)	188	16.3	54.7	0	97	29			
Steyer	X113101 VT3Pro	188	15.8	56.1	0	99	29			
Steyer	X112101 VT3Pro	185	17.5	52.2	0	95	31			
DeKalb	DKC63-87 GENVT2P	185	16.3	55.2	2	99	31			
Augusta	A0720CBLL	184	17.5	54.4	2	99	32			
Dairyland	9111 (RR/LL/CB/RW)	184	16.4	54.4	1	94	31			
Croplan	6286SS	183	17.8	55.7	0	98	34			
Augusta	A5337EVT3	181	18.9	52.7	1	102	34			
Augusta	A0606GTCBLL	181	16.7	53.8	1	106	35			
Agrigold	A6553VT3	181	19.3	53.5	1	93	28			
Armor	1161PRO V (VT3)	180	16.6	54.2	1	92	29			
Agrigold	A6533VT3	180	18.0	51.9	1	92	29			
Augusta	A5461GTCBLL	179	16.1	53.4	1	107	35			
NK Brand	N74F-3000GT (RR/LL/CB/RW)	179	17.0	51.3	2	107	34			
Augusta	A5175CB	179	16.8	54.1	0	100	31			
NK Brand	N68A-3000GT (RR/LL/CB/RW)	177	16.4	52.8	1	101	34			
Dairyland	7115 (RR/CB)	177	19.2	53.6	2	102	36			
Croplan	6125VT3	176	15.8	54.1	1	96	31			
Armor	1262DPro (VT2)	176	17.3	54.4	3	99	30			
Dyna-Gro	D51VP40 (VT3P)	176	16.8	53.7	1	93	28			
Agrigold	A6476VT3Pro	176	16.0	55.7	1	90	31			
Dyna-Gro	CX11113 (VT3P)	174	16.0	53.9	0	96	29			
Dairyland	9910 (VT3)	174	15.2	54.5	3	95	32			
Augusta	A5558VT3P	173	15.9	55.9	1	100	30			
Agrigold	A6458VT3	173	17.2	53.3	0	96	29			
DeKalb	DKC62-63 GENVT3P	172	16.4	55.2	4	94	29			
Dairyland	7313 (VT3)	172	16.9	56.6	1	99	31			
Augusta	A5462GT3000	170	16.7	53.0	0	103	33			
Augusta	A5560VT3	169	17.2	53.8	1	96	30			
Augusta	A5658GTCBLL	167	16.0	55.7	1	94	32			
Agrigold	A6452VT3	163	16.6	53.2	1	103	29			

Table 3 (continued)

Brand	Hybrid	Avg. Yield[†] (n=7)	Moisture at Harvest (n=7)	Test Weight (n=1)	Lodging (n=3)	Plant Height[‡] (n=3)	Ear Height[‡] (n=3)	Protein (n=1)	Oil (n=1)	Starch (n=1)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Wyffels	W7997 (VT3Pro)	161	17.0	56.1	1	89	27			
Augusta	A2854CBLL	147	15.3	54.1	0	92	30			
	Average	178	16.8	54.4	1	97	31			

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

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CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

Protein, Oil, and Starch on a dry weight basis

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 4. Mean yields of 52 medium-season (114-116 DAP) corn hybrids evaluated in seven environments in Tennessee during 2011.

Brand	Hybrid	Avg. Yield [†] (n=7)	bu/a				Ames	AgCenter Memphis	
			Knoxville	Springfield (Irr.)**	(Non-Irr.)	Milan (Irr.)			(Non-Irr.)
Dyna-Gro	V5683VT3	189	187	139	163	253	183	161	236
Wyffels	W8681 (VT3)	185	163	126	164	258	194	170	219
DeKalb	DKC66-96 GENVT3P	185	165	138	190	238	189	149	224
Agrigold	A6679VT3Pro	184	197	138	180	253	176	159	183
Mycogen	2T784 (RR/LL/CB/RW)	181	177	142	184	233	181	152	200
DeKalb	DKC64-69 GENVT3P	179	176	135	176	238	194	118	218
Beck's XL Brand	6903HR	179	209	133	170	241	175	142	182
Terral-REV Brand	26HR22 (RR/LL/Hx)	178	181	119	177	241	168	121	239
Agrigold	A6573VT3	177	154	145	206	241	179	142	170
Terral-REV Brand	26HR82 (RR/LL/Hx)	176	190	123	194	242	172	125	188
Armor	1655PRO V (VT3)	176	209	120	180	247	172	147	158
Beck's XL Brand	6733HXR (RR/LL/CB)	175	159	129	154	245	190	134	214
NK Brand	N79Z-GT/CB/LL	175	160	136	176	227	155	147	224
Delta Grow	2988 GTBt11	175	185	123	146	241	171	143	213
Terral-REV Brand	26HR70 (RR/LL/HX)	173	176	130	164	227	171	138	206
Croplan	6926VT3P	173	152	123	173	231	172	148	213
Dyna-Gro	D54VP81 (VT3P)	173	162	126	171	257	185	121	188
NK Brand	N78S-3111 (RR/LL/CB/RW)	173	156	122	150	247	170	137	229
NK Brand	N77P-3111 (RR/LL/CB/RW)	173	152	129	167	227	173	137	224
Augusta	A5464GTCBLL	172	181	120	174	238	174	144	170
Steyer	X114101 VT3Pro	171	161	120	179	237	168	153	181
Terral-REV Brand	25HR39 (RR/LL/HX)	171	163	120	176	236	158	131	215
Terral-REV Brand	26HR50 (RR/LL/HX)	171	191	138	149	234	174	138	174
Wyffels	W8437 (VT3Pro)	171	151	139	162	250	174	158	161
Armor	1539Pro (VT3)	169	161	148	166	242	160	161	145
Dairyland	9214Q (RR/LL/CB/RW)	169	161	124	168	243	177	142	166
Dairyland	9414Q (RR/LL/CB/RW)	169	140	130	164	241	171	122	213
Augusta	A0715HXT (LL)	168	181	121	152	230	160	145	190
Terral-REV Brand	25HR49 (RR/LL/HX)	168	171	131	172	231	170	148	155
Agrigold	A6677	167	176	126	154	246	161	133	177
Croplan	6914AS3000GT	167	154	118	157	237	192	137	174
Terral-REV Brand	26R60 (RR)	167	170	140	146	242	159	135	178
Armor	1415Pro (VT3)	166	136	120	178	250	178	128	172
Augusta	A7664VT3P	165	166	110	164	243	182	140	148
DeKalb	DKC65-19 GENVT3P	165	150	97	175	246	168	126	192
Mycogen	2A787 (RR/LL/CB/RW)	164	133	120	156	242	163	135	198
Delta Grow	2888 GTBt11	162	191	129	154	231	151	142	134

Table 4 (continued)

Brand	Hybrid	Avg. Yield [†]	Springfield		Milan		Ames	AgCenter Memphis	
		(n=7)	Knoxville	(Irr.)**	(Non-Irr.)	(Irr.)			(Non-Irr.)
----- bu/a -----									
Beck's XL Brand	6626HXR (RR/LL/CB)	162	193	111	142	237	171	124	153
Dyna-Gro	D56VP24 (VT3P)	161	155	126	167	244	179	144	115
Delta Grow	3788 GTBt11	161	158	128	163	226	156	145	152
Augusta	A7664CB	161	143	123	172	249	157	132	148
Mycogen	2T832 (RR/LL/CB/RW)	161	143	112	161	230	170	149	160
Augusta	A6166GT3000	160	157	91	155	244	161	128	184
Augusta	A6164GT3000	160	153	102	180	233	165	130	156
Agrigold	A6632VT3Pro	158	132	125	169	230	155	144	152
Dyna-Gro	D55VC21 (VT3)	158	146	122	173	243	167	143	114
Dairyland	7615 (RR2/YGCB)	157	143	123	156	233	163	123	158
Augusta	A6166CBLL	156	155	98	176	237	165	123	140
Steyer	11601 GT	154	158	110	169	222	149	130	145
Terral-REV Brand	25R19 (RR)	153	142	123	155	228	161	123	139
Augusta	A6266GT3000	150	129	112	157	254	151	110	137
Caverndale Farms	CF 848 3000GT	148	157	103	147	244	157	129	97
Avg. (bu/a)		169	165	124	166	240	170	138	178
L.S.D._{.05} (bu/a)		10	31	23	23	27	23	21	31
C.V. (%)		9.3	11.1	11.1	8.5	6.8	8.4	9.0	11

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[†]All Yields are adjusted to 15.5% moisture.

** - Irrigated field at Springfield is located on a more marginal soil type, while the non-irrigated field was located on a more productive soil.

Differences in the soil type along with rainfall at critical periods in the crop's development resulted in the non-irrigated test out-performing the irrigated tests at the Springfield location.

Table 5. Overall mean yields and agronomic characteristics of 52 medium-season corn hybrids evaluated in seven environments in Tennessee during 2011.

Brand	Hybrid	Avg. Yield [†]	Moisture	Test	Lodging	Plant	Ear	Protein	Oil	Starch
		(n=7) bu/a	at Harvest (n=7) %	Weight (n=1) lbs/bu	(n=3) %	Height [‡] (n=3) in.	Height [‡] (n=3) in.	(n=1) %	(n=1) %	(n=1) %
Dyna-Gro	V5683VT3	189	16.7	54.6	1	112	33			
Wyffels	W8681 (VT3)	185	17.7	55.3	0	94	28			
DeKalb	DKC66-96 GENVT3P	185	16.3	57.2	1	93	28			
Agrigold	A6679VT3Pro	184	17.5	58.2	0	92	32			
Mycogen	2T784 (RR/LL/CB/RW)	181	18.0	54.6	2	102	35			
DeKalb	DKC64-69 GENVT3P	179	16.2	56.2	2	88	29			
Beck's XL Brand	6903HR	179	17.0	57.8	0	112	36			
Terral-REV Brand	26HR22 (RR/LL/Hx)	178	17.3	55.3	0	114	35			
Agrigold	A6573VT3	177	17.0	54.9	0	99	29			
Terral-REV Brand	26HR82 (RR/LL/Hx)	176	18.7	53.6	0	110	33			
Armor	1655PRO V (VT3)	176	16.4	57.1	0	99	33			
Beck's XL Brand	6733HXR (RR/LL/CB)	175	16.6	56.5	0	105	35			
NK Brand	N79Z-GT/CB/LL	175	17.0	54.8	4	105	34			
Delta Grow	2988 GTBt11	175	17.8	55.9	1	102	31			
Terral-REV Brand	26HR70 (RR/LL/HX)	173	17.6	56.4	0	113	35			
Croplan	6926VT3P	173	15.9	57.3	1	86	28			
Dyna-Gro	D54VP81 (VT3P)	173	16.7	57.2	2	91	29			
NK Brand	N78S-3111 (RR/LL/CB/R)	173	18.7	54.3	0	100	30			
NK Brand	N77P-3111 (RR/LL/CB/R)	173	17.4	53.8	0	100	34			
Augusta	A5464GTCBLL	172	16.0	57.0	1	101	36			
Steyer	X114101 VT3Pro	171	16.7	58.3	2	93	29			
Terral-REV Brand	25HR39 (RR/LL/HX)	171	16.6	58.1	0	108	36			
Terral-REV Brand	26HR50 (RR/LL/HX)	171	18.2	58.5	0	109	31			
Wyffels	W8437 (VT3Pro)	171	16.2	59.2	1	91	27			
Armor	1539Pro (VT3)	169	17.5	58.5	2	95	33			
Dairyland	9214Q (RR/LL/CB/RW)	169	17.4	55.3	0	99	33			
Dairyland	9414Q (RR/LL/CB/RW)	169	17.7	55.4	0	86	29			
Augusta	A0715HXT (LL)	168	16.1	54.8	0	96	33			
Terral-REV Brand	25HR49 (RR/LL/HX)	168	17.5	57.2	1	108	34			
Agrigold	A6677	167	17.0	58.6	4	110	35			
Croplan	6914AS3000GT	167	16.4	55.7	1	104	35			
Terral-REV Brand	26R60 (RR)	167	16.8	56.0	7	105	30			
Armor	1415Pro (VT3)	166	16.4	54.4	1	93	29			
Augusta	A7664VT3P	165	17.7	55.7	0	94	27			
DeKalb	DKC65-19 GENVT3P	165	16.2	59.6	1	84	26			
Mycogen	2A787 (RR/LL/CB/RW)	164	17.5	57.4	0	89	28			
Delta Grow	2888 GTBt11	162	17.2	55.3	3	107	34			

Table 5 (continued)

Brand	Hybrid	Avg. Yield [†]	Moisture	Test	Lodging	Plant	Ear	Protein	Oil	Starch
		(n=7)	at Harvest (n=7)	Weight (n=1)	(n=3)	Height [‡]	Height [‡]	(n=1)	(n=1)	(n=1)
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
Beck's XL Brand	6626HXR (RR/LL/CB)	162	18.2	55.5	0	104	33			
Dyna-Gro	D56VP24 (VT3P)	161	17.3	55.3	1	95	31			
Delta Grow	3788 GTBt11	161	17.5	56.7	1	98	35			
Augusta	A7664CB	161	17.9	51.9	1	92	28			
Mycogen	2T832 (RR/LL/CB/RW)	161	18.2	55.0	2	99	30			
Augusta	A6166GT3000	160	18.3	56.9	0	101	36			
Augusta	A6164GT3000	160	17.1	57.2	1	98	37			
Agrigold	A6632VT3Pro	158	16.8	55.7	1	85	27			
Dyna-Gro	D55VC21 (VT3)	158	16.7	56.6	1	90	28			
Dairyland	7615 (RR2/YGCB)	157	18.5	54.6	1	95	29			
Augusta	A6166CBLL	156	17.1	57.3	1	100	35			
Steyer	11601 GT	154	17.3	55.2	2	97	34			
Terral-REV Brand	25R19 (RR)	153	16.6	57.5	5	110	33			
Augusta	A6266GT3000	150	17.1	53.5	1	99	30			
Caverndale Farms	CF 848 3000GT	148	18.6	57.1	0	99	35			
Average		169	17.2	56.2	1	99	32			

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm and glyphosate resistance

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

Protein, Oil, and Starch on a dry weight basis

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

Table 6. Mean yields of 20 full-season (>116 DAP) corn hybrids evaluated in six environments in Tennessee during 2011.

Brand	Hybrid	Avg. Yield [†]	Springfield		Milan		Ames	
		(n=6)	Knoxville	(Irr.)**	(Non-Irr.)	(Irr.)		(Non-Irr.)
		bu/a						
DeKalb	DKC67-88 GENVT3P	182	204	140	151	242	188	170
Terral-REV Brand	28HR20 (RR/LL/HX)	178	199	118	163	240	215	132
Croplan	8410VT3P	178	205	137	159	216	178	172
Beck's XL Brand	8603HR (RR/LL/CB)	171	214	136	127	215	185	148
Augusta	A6867CBLL	170	185	127	142	215	195	157
Terral-REV Brand	27HR32 (RR/LL/Hx)	170	200	136	160	203	169	150
Croplan	8505VT3P	166	190	123	141	234	177	134
Augusta	A6867GTCBLL	160	173	119	131	232	154	151
DeKalb	DKC67-57 GENVT3P	159	174	124	126	215	168	149
Caverndale Farms	CF 907 GTCBLL	159	169	128	136	228	154	137
Beck's	7988BTR (RR/LL/CB)	157	170	133	113	228	153	147
Agrigold	A6839VT3Pro	153	158	120	134	211	144	151
Terral-REV Brand	28R10 (RR)	152	184	135	129	206	138	121
Terral-REV Brand	27HR52 (RR/LL/Hx)	150	195	120	68	201	180	135
Augusta	A008VT3	148	144	123	126	195	158	144
Augusta	A7669GTCBLL	144	142	119	114	200	150	141
TN Exp	TN 0902	144	165	136	125	158	155	126
TN Exp	TN 1101	144	162	135	119	179	153	118
TN Exp	TN 1103W	137	165	125	112	160	134	128
TN Exp	TN 1102	133	141	121	126	167	136	109
Avg. (bu/a)		158	176	128	131	207	164	141
L.S.D._{.05} (bu/a)		11	37	23	30	27	29	22
C.V. (%)		10.7	12.2	10.9	13.6	7.7	10.6	9.6

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm and glyphosate resistance

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

[†]All Yields are adjusted to 15.5% moisture.

** - Irrigated field at Springfield is located on a more marginal soil type, while the non-irrigated field was located on a more productive soil.

Differences in the soil type along with rainfall at critical periods in the crop's development resulted in the non-irrigated test out-performing the irrigated tests at the Springfield location.

Table 7. Overall mean yields and agronomic characteristics of 20 full-season corn hybrids evaluated in six environments in Tennessee during 2011.

Brand	Hybrid	Avg. Yield [†]	Moisture	Test	Lodging	Plant	Ear	Protein	Oil	Starch
		(n=6)	at Harvest	Weight	(n=3)	Height [‡]	Height [‡]			
		bu/a	%	lbs/bu	%	in.	in.	%	%	%
DeKalb	DKC67-88 GENVT3P	182	16.9	57.3	1	102	38			
Terral-REV Brand	28HR20 (RR/LL/HX)	178	17.2	56.5	0	106	34			
Croplan	8410VT3P	178	15.9	56.7	1	88	28			
Beck's XL Brand	8603HR (RR/LL/CB)	171	16.4	57.4	1	110	36			
Augusta	A6867CBLL	170	16.9	56.6	1	101	34			
Terral-REV Brand	27HR32 (RR/LL/Hx)	170	16.3	55.3	0	108	34			
Croplan	8505VT3P	166	16.2	54.4	0	100	35			
Augusta	A6867GTCBLL	160	16.4	53.0	4	99	35			
DeKalb	DKC67-57 GENVT3P	159	16.0	55.3	1	88	30			
Caverndale Farms	CF 907 GTCBLL	159	16.5	57.4	4	100	32			
Beck's	7988BTR (RR/LL/CB)	157	16.9	56.6	4	98	34			
Agrigold	A6839VT3Pro	153	16.2	58.5	0	91	31			
Terral-REV Brand	28R10 (RR)	152	17.1	58.0	7	104	31			
Terral-REV Brand	27HR52 (RR/LL/Hx)	150	17.8	54.0	0	103	30			
Augusta	A008VT3	148	16.7	53.5	2	95	31			
Augusta	A7669GTCBLL	144	17.1	57.3	2	91	32			
TN Exp	TN 0902	144	16.7	56.6	3	102	37			
TN Exp	TN 1101	144	17.2	54.5	2	100	34			
TN Exp	TN 1103W	137	17.6	57.6	7	108	45			
TN Exp	TN 1102	133	18.0	53.3	5	98	35			
	Average	158	16.8	56.0	2	100	34			

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

YGRW, RW, CRW = contains a gene for rootworm resistance

R, RR, RR2, R2, GT = contains a gene for tolerance to glyphosate

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P, PRO = contains genes for corn borer, rootworm, earworm, armyworm and glyphosate resistance

CL = contains a gene for tolerance to Imidazolinone class herbicides

LL = contains a gene for tolerance to glufosinate

W = white grain

Protein, Oil, and Starch on a dry weight basis

[†]All Yields are adjusted to 15.5% moisture.

[‡]Average of Knoxville and Springfield.

**Table 8. 2011 STANDARD EARLY SEASON ROUNDUP/STACKED
CORN HYBRID TEST (108-113 DAY) (PRELIMINARY)**

Tennessee & West Kentucky

(22 Hybrids X 16 Locations)

Yields of 22 early-season (<114 DAP) corn hybrids in 16 County Standard Test in Tennessee & Kentucky during 2011.

MS	BRAND/HYBRID	AvgYld	Moist	TWt¶	Ball	Call	Carr	Coff	Croc	Faye	Fran	Gibs	Gile	Hend	Henr	Lake	Mre1	Mre2	Obio	Weak
		bu/a	%	lb/bu	5/11 §	5/10	5/9	4/11	3/18	3/23	4/9	5/9	5/12	5/9	5/10	5/9	5/5	5/5	5/9	5/9
A	Dekalb DKC61-88 GENVT3P	175	15.6	56.6	257	188	177	175	144	142	209	119	179	174	176	157	189	187	174	157
AB	LG Seeds LG2555 VT3	173	16.9	54.8	247	193	178	164	147	120	208	126	195	173	192	120	194	192	194	126
AB	LG Seeds LG2620 VT3	173	17.0	56.1	249	194	188	164	156	140	215	114	180	175	193	149	192	182	141	130
ABC	Dekalb DKC63-84 VT3	172	15.7	56.3	252	198	194	177	131	132	202	119	160	169	193	139	183	180	176	140
ABCD	Dekalb DKC63-14 VT3	170	16.0	57.6	235	202	194	186	160	140	199	122	185	172	169	116	176	175	176	121
ABCDE	AgriGold A6458VT3	169	16.3	55.3	248	157	178	172	148	138	212	122	156	169	175	152	184	184	184	124
ABCDEF	AgriGold A6533VT3	167	17.3	55.2	230	202	192	194	146	124	199	117	186	145	183	123	184	180	141	132
ABCDEF	AgriGold A6476VT3PRO	167	15.5	56.7	231	185	159	179	139	127	202	121	181	163	182	147	193	184	159	121
BCDEFG	NK Brand N72Q 3111 RRL	165	17.2	54.4	221	165	188	165	153	114	201	85	174	166	165	154	198	194	179	115
CDEFGH	NK Brand N68B 3111 RRL	164	16.9	54.1	221	180	172	167	153	112	197	82	169	170	198	148	177	170	178	135
DEFGHI	Dyna-Gro 51VP40 (VT3P)	162	16.2	56.1	226	161	178	135	132	129	192	124	166	161	192	162	176	174	175	117
DEFGHI	Armor 1262D PRO	162	16.7	58.0	214	187	178	134	161	124	196	118	135	165	189	126	186	184	170	130
EFGHI	Augusta A5461 GTCBLL	162	15.9	53.8	224	180	168	152	136	116	209	131	155	147	160	133	195	182	166	136
EFGHI	Augusta A5462 GT3000	161	16.6	55.8	212	173	175	165	119	108	185	123	180	166	173	139	181	170	184	120
EFGHI	Mycogen 2D744 SSX/LL/RR2	160	17.0	57.2	233	183	165	144	137	108	191	106	169	147	174	157	188	186	170	110
FGHI	Steyer 11201 VT3Pro	160	15.5	58.4	221	172	163	171	130	157	208	97	122	161	172	159	177	167	159	118
FGHI	Dairyland 7313 YGCB/RR2	159	16.2	57.5	229	178	168	144	140	86	188	133	165	164	177	115	188	185	157	126
GHI	Armor 1161 PRO	158	16.2	55.5	230	169	170	122	135	133	169	108	177	163	179	144	186	177	158	109
GHI	Dairyland 9910 VT3	158	15.2	56.3	228	187	157	159	128	98	198	132	167	166	145	135	166	169	174	116
GHI	Steyer 10901 GENSS	157	16.5	56.3	236	156	167	139	129	104	199	94	168	151	190	145	186	180	157	118
HI	Mycogen 2A695 HXT/LL/RR2	156	16.8	52.1	210	156	161	145	133	135	188	116	169	155	170	138	162	153	172	135
I	Mycogen 2V738 SSX/LL/RR2	154	16.2	56.3	210	170	164	140	131	110	184	106	158	152	163	128	182	173	168	125
	Average (bu/a)	164	16.3	55.9	230	179	174	159	140	123	198	114	168	162	178	140	184	179	169	125

§ Planting date. %M= Avg. % moisture at harvest across all locations.

Programs in agriculture and natural resources, 4-H youth development, family and consumer sciences, and resource development

YLD= Avg. Yield @ 15.5% moisture.

University of Tennessee Institute of Agriculture, U.S. Department of Agriculture and county governments cooperating.

¶= Avg. Test Wt. lbs/bu @ 13 locations.

UT Extension provides equal opportunities in programs and employment.

MS= Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.

**Table 9. 2011 STANDARD MEDIUM SEASON ROUNDUP/STACKED
CORN HYBRID TEST (114-116 DAY) (PRELIMINARY)**

Tennessee & West Kentucky

(21 Hybrids X 17 Locations)

Yields of 21 medium-season (114-116 DAP) corn hybrids in 17 County Standard Test in Tennessee & Kentucky during 2011.

MS	BRAND/HYBRID	AvgYld	Moist	TWt¶	Call	Cann	Coff	Faye	Fran	Gib1	Gib2	Henr	Hick	Lake	Loud	Madi	Mre1	Mre2	Obio	Robe	Weak
		bu/a	%	lb/bu	5/10 §	5/10	4/5	4/14	4/9	5/9	5/9	5/10	5/10	5/9	5/12	4/14	5/5	5/5	5/11	5/12	5/11
A	Dekalb DKC66-96 GENVT3P	171	16.5	58.1	181	213	176	179	194	123	136	177	174	126	91	142	208	202	233	190	160
AB	Dekalb DKC64-69 GENVT3P	165	15.5	57.5	192	207	211	171	188	119	141	179	169	107	93	165	173	177	201	176	140
ABC	Dyna-Gro V5683VT3	164	17.4	56.5	171	192	170	167	182	122	131	174	160	155	81	147	193	200	200	198	145
BCD	AgriGold A6553VT3	161	17.3	55.1	180	204	156	167	215	111	129	148	177	137	88	151	166	166	213	179	159
BCDE	LG Seeds LG2641 VT3	161	17.3	55.6	183	195	162	162	200	122	140	151	162	134	89	147	182	185	202	175	145
BCDE	Terral 26HR70 RRLHx	161	17.4	57.7	183	204	127	162	194	132	131	178	162	134	77	141	185	189	202	177	156
BCDEF	AgriGold A6632VT3PRO	159	17.1	56.9	199	201	151	146	185	117	130	186	163	132	82	162	157	160	205	184	147
BCDEF	Dairyland 9214 Quad HXRWLLRR	159	17.0	57.0	180	210	159	165	194	119	132	171	162	125	73	137	175	173	183	185	161
BCDEF	Dairyland 9414 Quad HXRWLLRR	159	17.5	57.5	181	204	147	154	186	118	130	168	160	128	69	138	185	180	217	186	147
BCDEF	AgriGold A6633VT3	159	16.7	55.7	177	201	173	161	209	116	128	177	154	128	89	144	160	160	202	152	167
CDEF	Dairyland 7615 YGCB/RR2	158	17.5	56.5	185	207	154	165	195	109	140	157	155	124	66	147	177	172	201	177	155
CDEFG	Augusta A6166 GT3000	157	17.9	57.5	162	201	200	165	185	105	128	160	161	115	76	140	163	159	205	186	159
CDEFG	Dyna-Gro 55VC21 (VT2PRO)	157	17.4	57.0	179	212	145	175	204	115	123	140	170	121	71	149	171	178	197	179	134
DEFG	Terral 25HR39 RRLHx	156	17.5	58.0	186	210	168	163	195	118	122	140	161	127	66	138	183	187	213	154	128
DEFG	Mycogen 2A787 HXT/LL/RR2	155	17.4	57.6	189	185	143	140	179	127	136	132	166	124	77	152	182	181	205	185	132
DEFG	Armor 1415 PRO	155	16.1	56.3	184	208	169	160	190	94	116	145	165	127	76	122	165	168	204	177	164
DEFG	Armor 1539 PRO	154	16.4	58.0	174	209	179	156	203	98	122	143	149	117	77	149	171	165	211	180	121
EFG	NK Brand N77P 3111 RRL	154	17.2	55.6	189	192	157	150	187	129	127	128	165	111	74	147	180	178	202	177	121
FG	Steyer 11601 GT	153	18.1	56.2	173	195	162	160	178	114	121	162	154	112	69	154	170	164	176	188	151
G	Steyer 11402 VT3Pro	150	15.4	56.6	179	193	146	138	189	121	116	182	154	110	81	127	164	160	195	174	129
H	Augusta A6266 GT3000	142	16.5	54.5	175	156	151	154	189	91	105	143	150	97	80	129	160	159	192	158	126
	Average (bu/a)	158	17.0	56.7	181	200	162	160	192	115	128	159	161	123	78	144	175	174	203	178	145

§ Planting date. %M= Avg. % moisture at harvest across all locations.

Programs in agriculture and natural resources, 4-H youth development, family and consumer sciences, and resource development

YLD= Avg. Yield @ 15.5% moisture.

University of Tennessee Institute of Agriculture, U.S. Department of Agriculture and county governments cooperating.

¶= Avg. Test Wt. lbs/bu @ 13 locations.

UT Extension provides equal opportunities in programs and employment.

MS= Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.

Table 10. 2011 STANDARD FULL SEASON ROUNDUP/STACKED CORN HYBRID TEST (>116 DAY) (PRELIMINARY)

Tennessee & West Kentucky
(6 Hybrids X 10 Locations)

Yields of 6 full-season (>116 DAP) corn hybrids in 10 County Standard Test in Tennessee & Kentucky during 2011.

MS	BRAND/HYBRID	AvgYld	Moist	TWt	Cannon	Calloway	Coffee	Fayette	Franklin	Gibson	Henderson	Lake	Loudon	Obion
		bu/a	%	lb/bu	5/10 §	5/10	4/15	4/14	4/9	5/9	5/9	5/9	5/12	5/11
A	Terral 28HR20 RRLLHx	162	17.9	58.5	173	190	169	167	194	124	167	157	55	227
AB	Armor 1655 PRO	160	17.1	57.8	186	185	184	163	177	123	166	142	74	200
AB	Terral 28HR29 RRLLHx	155	18.8	57.9	152	197	137	153	209	113	170	133	52	233
AB	Dekalb DKC67-21 VT3P	154	16.8	58.0	174	185	164	165	195	116	154	126	72	186
AB	Augusta A6867 GTCBLL	154	17.2	58.7	164	187	162	159	196	129	148	124	65	202
B	AgriGold A6839VT3PRO	151	17.0	58.6	168	183	142	152	200	127	149	129	65	195
	Average (bu/a)	156	17.5	58.3	170	188	160	160	195	122	159	135	64	207

Programs in agriculture and natural resources, 4-H youth development, family and consumer sciences, and resource development.

University of Tennessee Institute of Agriculture, U.S. Department of Agriculture and county governments cooperating.

UT Extension provides equal opportunities in programs and employment.

§ Planting date.

%M= Avg. % moisture at harvest across all locations.

YLD= Avg. Yield @ 15.5% moisture.

TWt.= Avg. Test Wt. lbs/bu @ 10 locations.

MS= Hybrids that have any MS letter in common are not significantly different in yield at the 5% level of probability.

Table 11. Characteristics, as described by the seed company, of corn hybrids evaluated in yield tests in Tennessee during 2011.†

Early-Season Corn Hybrid Entries		Grain		Herbicide		Released or		Seed
Brand	Hybrid	Color	Maturity	Tolerance	BT Gene	Experimental		Treatment
Agrigold	A6452VT3	Y	110	RR	YGCB/RW	R		Vortex,Allegiance,Trilex,Poncho500,Votivo
Agrigold	A6458VT3	Y	110	RR	YGCB/RW	R		Vortex,Allegiance,Trilex,Poncho500,Votivo
Agrigold	A6476VT3Pro	Y	111	RR	YG,CB,C,RW	R		Vortex,Allegiance,Trilex,Poncho500,Votivo
Agrigold	A6489VT3	Y	112	RR2	YGCB/RW	R		Vortex,Allegiance,Trilex,Poncho500,Votivo
Agrigold	A6533VT3	Y	113	RR2	YGCB/RW	R		Vortex,Allegiance,Trilex,Poncho500,Votivo
Agrigold	A6553VT3	Y	113	RR	YGCB/RW	R		Vortex,Allegiance,Trilex,Poncho500,Votivo
AgVenture	RL8428HB (RR/LL/CB)	Y	113	RR/LL	CB	R		Poncho 1250, Votivo
Armor	1161PRO V (VT3)	Y	111	RR2	YG,CB,C,RW	R		Accelaron, Poncho, Votivo
Armor	1262DPro (VT2)	Y	112	RR2	YG,CB,C	R		Accelaron
Augusta	A0606GTCBLL	Y	111	GT/LL	CB	R		Avicta, Cruiser 500
Augusta	A0720CBLL	Y	111	LL	CB	R		Cruiser 250
Augusta	A2854CBLL	Y	104	LL	CB	R		Cruiser 250
Augusta	A5175CB	Y	107		CB	R		Poncho 250
Augusta	A5337EVT3	Y	111	RR	CB/RW	R		Poncho 250
Augusta	A5461GTCBLL	Y	111	GT/LL	CB	R		Avicta, Cruiser 500
Augusta	A5462GT3000	Y	112	GT/LL	CB/RW	R		Avicta, Cruiser 500
Augusta	A5558VT3P	Y	108	RR	YG,CB,C,RW	R		Poncho 250
Augusta	A5560VT3	Y	110	RR	CB/RW	R		Poncho 250
Augusta	A5658GTCBLL	Y	108	GT/LL	CB	R		Cruiser 250
Croplan	6125VT3	Y	109	RR	YG,CB,C,RW	R		Cruiser Extreme 250
Dairyland	9111 (RR/LL/CB/RW)	Y	112	RR/LL	CB/RW	E		CruiserMaxx
Dairyland	7115 (RR/CB)	Y	111	RR	HX1	E		CruiserMaxx
Dairyland	7313 (VT3)	Y	113	RR	YGCB/RW	R		CruiserMaxx
Dairyland	9910 (VT3)	Y	110	RR	YGCB/RW	R		Cruiser Extreme 250
DeKalb	DKC61-88 GENVT3P	Y	111	RR	YG,CB,C,RW	R		Poncho 500, Votivo
DeKalb	DKC62-09 GENVT3P	Y	113	RR	YG,CB,C,RW	R		Poncho 500, Votivo
DeKalb	DKC62-63 GENVT3P	Y	112	RR	YG,CB,C,RW	R		Poncho 500, Votivo
DeKalb	DKC63-87 GENVT2P	Y	113	RR	YG, CB, C	R		Poncho 500, Votivo
Dyna-Gro	CX11113 (VT3P)	Y	113	RR	YG,CB,C,RW	E		Accelaron
Dyna-Gro	D51VP40 (VT3P)	Y	111	RR	YG,CB,C,RW	R		Apron XL, Poncho 250
Croplan	6286SS	Y	113	RR/LL	YG,RW,C	R		Cruiser Extreme 250
Mycogen	2V715 (RR/LL/CB/RW)	Y	111	RR/LL	CB/RW	R		Cruiser, Maxim, Apron, Dynasty, Avicta
Mycogen	2V738 (RR/LL/CB/RW)	Y	113	RR/LL	YG,CB,C,RW	R		Cruiser, Maxim, Apron, Dynasty, Avicta
NK Brand	N68A-3000GT (RR/LL/CB/RW)	Y	111	RR/LL	CB/RW	R		Cruiser 500
NK Brand	N74F-3000GT (RR/LL/CB/RW)	Y	113	RR/LL	CB/RW	R		Cruiser 500
Steyer	X112101 VT3Pro	Y	112	RR	YGCB, YGRW	E		Poncho, Trilex, Allegiance, Vortex
Steyer	X113101 VT3Pro	Y	113	RR	YGCB, YGRW	E		Poncho, Trilex, Allegiance, Vortex
Wyffels	W7477 (VT3Pro)	Y	112	RR	YG,CB,C,RW	R		Metalaxyl,ipconazole,trifloxystrobin,clothianidin 250
Wyffels	W7997 (VT3Pro)	Y	113	RR	YG,CB,C,RW	R		Metalaxyl,ipconazole,trifloxystrobin,clothianidin 250

Table 11 (continued)

Medium-Season Corn Hybrid Entries		Grain		Herbicide		Released or	Seed
Brand	Hybrid	Color	Maturity	Tolerance	BT Gene	Experimental	Treatment
Agrigold	A6573VT3	Y	114	RR	YGCB/RW	R	Vortex,Allegiance,Trilex,Poncho500,Votivo
Agrigold	A6632VT3Pro	Y	115	RR	YG,CB,C,RW	R	Vortex,Allegiance,Trilex,Poncho500,Votivo
Agrigold	A6677	Y	116			R	Vortex,Allegiance,Trilex,Poncho500,Votivo
Agrigold	A6679VT3Pro	Y	116	RR	YG,CB,C,RW	R	Vortex,Allegiance,Trilex,Poncho500,Votivo
Armor	1415Pro (VT3)	Y	114	RR2	YG,CB,C,RW	R	Acceleron
Armor	1539Pro (VT3)	Y	115	RR2	YG,CB,C,RW	R	Acceleron
Armor	1655PRO V (VT3)	Y	116	RR2	YG,CB,C,RW	R	Acceleron, Poncho, Votivo
Augusta	A0715HXT (LL)	Y	116	LL	CB	R	Cruiser 250
Augusta	A5464GTCBLL	Y	114	GT/LL	CB	R	Cruiser 250
Augusta	A6164GT3000	Y	114	GT/LL	CB/RW	R	Cruiser 250
Augusta	A6166GT3000	Y	114	GT/LL	CB/RW	R	Avicta, Cruiser 500
Augusta	A6266GT3000	Y	116	GT/LL	CB/RW	R	Cruiser 250
Augusta	A6166CBLL	Y	114	LL	CB	R	Cruiser 250
Augusta	A7664VT3P	Y	114	RR	YG,CB,C,RW	R	Poncho 250
Augusta	A7664CB	Y	114		CB	R	Cruiser 250
Beck's XL Brand	6733HXR (RR/LL/CB)	Y	114	RR/LL	HX1	R	Escalate
Beck's XL Brand	6626HXR (RR/LL/CB)	Y	114	RR/LL	HX1	R	Escalate
Beck's XL Brand	6903HR	Y	115	RR/LL	HX1	E	Escalate
Caverndale Farms	CF 848 3000GT	Y	115	RR/LL	CB/RW	R	Poncho 250, Trilex, Maxim, Acetellic
Croplan	6926VT3P	Y	114	RR	YG,CB,C,RW	R	Cruiser Extreme 250
Croplan	6914AS3000GT	Y	114	RR	CB/RW	R	Cruiser Extreme 250
Dairyland	7615 (RR2/YGCB)	Y	115	RR	YGCB	R	Cruiser Extreme 250
Dairyland	9214Q (RR/LL/CB/RW)	Y	114	RR/LL	YGCB/RW	R	CruiserMaxx
Dairyland	9414Q (RR/LL/CB/RW)	Y	115	RR/LL	HXX	R	CruiserMaxx
DeKalb	DKC64-69 GENVT3P	Y	114	RR	YG,CB,C,RW	R	Poncho 500, Votivo
DeKalb	DKC65-19 GENVT3P	Y	115	RR	YG,CB,C,RW	R	Poncho 500, Votivo
DeKalb	DKC66-96 GENVT3P	Y	116	RR	YG,CB,C,RW	R	Poncho 500, Votivo
Delta Grow	2888 GTBt11	Y	116	RR/LL	Bt	R	Maxim, Acetellic
Delta Grow	2988 GTBt11	Y	116	RR/LL	Bt	R	Maxim, Acetellic
Delta Grow	3788 GTBt11	Y	115	RR/LL	Bt	R	Maxim, Acetellic
Dyna-Gro	D54VP81 (VT3P)	Y	114	RR	YG,CB,C,RW	E	Acceleron
Dyna-Gro	D55VC21 (VT3)	Y	115	RR	YG,CB,C,RW	R	Apron XL, Poncho 250
Dyna-Gro	D56VP24 (VT3P)	Y	116	RR	YG,CB,C,RW	R	Apron XL, Poncho 250
Dyna-Gro	V5683VT3	Y	116	RR	YGCB/RW	R	Apron XL, Poncho 250
Mycogen	2A787 (RR/LL/CB/RW)	Y	114	RR/LL	CB/RW	R	Cruiser, Maxim, Apron, Dynasty, Avicta
Mycogen	2T784 (RR/LL/CB/RW)	Y	114	RR/LL	YG,CB,C,RW	R	Cruiser, Maxim, Apron, Dynasty, Avicta
Mycogen	2T832 (RR/LL/CB/RW)	Y	115	RR/LL	CB/RW	R	Cruiser, Maxim, Apron, Dynasty, Avicta
NK Brand	N77P-3111 (RR/LL/CB/RW)	Y	114	RR	YG/CB/RW	R	Cruiser 500
NK Brand	N78S-3111 (RR/LL/CB/RW)	Y	116	RR/LL	YG/CB/RW	R	Cruiser 500
NK Brand	N79Z-GT/CB/LL	Y	115	RR/LL	CB	R	Cruiser 500
Steyer	11601 GT	Y	116	GT		R	Cruiser, Maxim, Apron, Dynasty
Steyer	X114101 VT3Pro	Y	114	RR	YGCB, YGRW	E	Poncho, Trilex, Allegiance, Vortex
Terral-REV Brand	25HR39 (RR/LL/HX)	Y	115	RR2/LL	HX1	R	Cruiser 250, Dynasty, Apron, Maxim
Terral-REV Brand	25HR49 (RR/LL/HX)	Y	115	RR/LL	HX1	R	Cruiser 250, Dynasty, Apron, Maxim
Terral-REV Brand	25R19 (RR)	Y	115	RR2		R	Cruiser 250, Dynasty, Apron, Maxim

Table 11 (continued)

Terral-REV Brand	26HR22 (RR/LL/Hx)	Y	116	RR2/LL	HX1	R	Cruiser 250, Maxim, Apron, Dynasty
Terral-REV Brand	26HR50 (RR/LL/HX)	Y	116	RR2/LL	HX1	E	Cruiser 250, Dynasty, Apron, Maxim
Terral-REV Brand	26HR70 (RR/LL/HX)	Y	116	RR2/LL	HX1	R	Cruiser 250, Dynasty, Apron, Maxim
Terral-REV Brand	26HR82 (RR/LL/Hx)	Y	116	RR2/LL	HX1	R	Cruiser 250, Maxim, Apron, Dynasty
Terral-REV Brand	26R60 (RR)	Y	116	RR2		R	Cruiser 250, Dynasty, Apron, Maxim
Wyffels	W8437 (VT3Pro)	Y	115	RR	YG,CB,C,RW	R	Metalaxyl,ipconazole,trifloxystrobin,clothianidin 250
Wyffels	W8681 (VT3)	Y	115	RR2	YGCB/RW	R	Metalaxyl,ipconazole,trifloxystrobin,clothianidin 250

Full-Season Corn Hybrid Entries		Grain		Herbicide		Released or	Seed
Brand	Hybrid	Color	Maturity	Tolerance	BT Gene	Experimental	Treatment
Agrigold	A6839VT3Pro	Y	119	RR	YG,CB,C,RW	R	Vortex,Allegiance,Trilex,Poncho500,Votivo
Augusta	A008VT3	Y	117	RR	CB/RW	R	Cruiser 250
Augusta	A6867GTCBLL	Y	117	GT/LL	CB	R	Avicta, Cruiser 500
Augusta	A7669GTCBLL	Y	119	GT/LL	CB	R	Cruiser 250
Beck's	7988BTR (RR/LL/CB)	Y	117	RR/LL	CB	R	Escalate
Beck's XL Brand	8603HR (RR/LL/CB)	Y	118	RR/LL	HX1	R	Escalate
Caverndale Farms	CF 907 GTCBLL	Y	118	GT/LL	CB	R	Poncho 250, Trilex, Maxim, Acetellic
Croplan	8410VT3P	Y	118	RR	YG,CB,C,RW	R	Cruiser Extreme 250
Croplan	8505VT3P	Y	118	RR	YG,CB,C,RW	R	Cruiser Extreme 250
DeKalb	DKC67-57 GENVT3P	Y	117	RR	YG,CB,C,RW	R	Poncho 500, Votivo
DeKalb	DKC67-88 GENVT3P	Y	117	RR	YG,CB,C,RW	R	Poncho 500, Votivo
Terral-REV Brand	27HR32 (RR/LL/Hx)	Y	117	RR2/LL	HX1	R	Cruiser 250, Maxim, Apron, Dynasty
Terral-REV Brand	27HR52 (RR/LL/Hx)	Y	117	RR2/LL	HX1	R	Cruiser 250, Maxim, Apron, Dynasty
Terral-REV Brand	28HR20 (RR/LL/HX)	Y	118	RR2/LL	HX1	R	Cruiser 250, Dynasty, Apron, Maxim
Augusta	A6867CBLL	Y	117	LL	CB	R	Avicta, Cruiser 500
Terral-REV Brand	28R10 (RR)	Y	118	RR2		R	Cruiser 250, Dynasty, Apron, Maxim
TN Exp	TN 0902	Y	120			E	Dividend XL, Cruiser 250
TN Exp	TN 1101	Y	Full			E	Dividend XL, Cruiser 250
TN Exp	TN 1102	Y	Full			E	Dividend XL, Cruiser 250
TN Exp	TN 1103W	W	Full			E	Dividend XL, Cruiser 250

VT3 = contains genes for European corn borer, corn root worm, and glyphosate resistance

VT3P = contains genes for corn borer, rootworm, earworm, armyworm and glyphosate resistance

Bt, YG, YGCB, CB, HX = contains a *Bacillus thuringiensis* gene for insect resistance

CBRW, RW, CRW = contains a gene for rootworm resistance

RR, R, R2, RR2, GT = contains a gene for tolerance to glyphosate

LL = contains a gene for tolerance to glufosinate

W = white grain CL = contains a gene for tolerance to Imidazolinone class herbicides

† Information on this table provided by the respective seed companies.

Table 12. Contact information for corn hybrid seed companies evaluated in yield tests in Tennessee during 2011

Company	Contact	Phone	Email	Web site	Address
Agrigold Hybrids	Lee Herring Drew Snider	270-399-5558 270-776-1486		www.agrigold.com	RR#1 Box 203, St. Francisville, IL 62460
AgVenture	Mike Davis	219-474-3339	mdavis@agventuredm.com	www.agventure.com	207 North Seventh Street, P.O. Box 29 Kentland, IN 47951
Armor (formerly Belle)	Lane Dill Jimmy Wray	901-233-0274 270-832-3843	lanedill@cullumseeds.com jimmywray@jwrayseeds.com	www.bellecorn.com www.jwrayseeds.com	P.O. Box 178, Fisher, AR 72429 6497 Turner Landing Rd., LaCenter, KY 42056
Augusta Seed Corporation	Dennis Rawley Matt Rawley	540-886-6055 540-255-5902	augustaseed@aol.com		473 Tisdale Farm Ln, Stuarton, VA 24401
Beck's Superior Hybrids (Beck's & XL Brand)		800-937-2325		www.beckshybrids.com	6767 East 276th Street, Atlanta, IN 46031
Caverndale Farms	Barry Welty	859-236-2150	bwelty@kywimax.com	www.caverndalefarms.com	1921 Bluegrass Pike Danville, KY 40422
Croplan Genetics	Jesse Witt Keith Saum Jim Payne Ashley Plymale Matt Sowder Darrin Holder	256-221-5932 731-610-7006 901-652-0903 270-719-1570 901-355-7267 270-207-0190	kdsaum@landolakes.com jpayne@ourcoop.com	www.croplangenetics.com	Consolidated Ag Products (Agrilience) and Tennessee Farmers Co-op Locations
Dairyland Seed Co	Lanny Warren	731-234-2921	lanny.warren@charter.net	www.dairylandseed.com www.monsanto.com www.dekalb.com	208 South Thompson St., Union City, TN 38261
Monsanto (Dekalb)		800-335-2676			800 N. Lindberg Blvd, St. Louis, MO 63167
Delta Grow Seed	Lee Hughes	800-530-7933	lee.hughes19@hotmail.com	www.deltagrow.com	P O Box 219, England, AR 72046
Crop Production Services (Dyna-Gro)	Steve Johnson	731-885-1212 731-446-0094	steve.johnson@cpsagu.com	www.dynagroseed.com	710 South First Street, Union City, TN 38261
Syngenta (NK Brand)	Chet Chaney	501-628-1867	chet.chaney@syngenta.com	www.nk-us.com	7500 Olson Memorial Hwy Golden Valley, MN 55427
Steyer Seeds	Joe Steyer Tom Jones Phil Coffman	800-231-4274 270-213-0020 270-832-7362	joesteyer@yahoo.com steyerseeds@steyerseeds.com	www.steyerseeds.com	6154 N. Co. Rd. 33, Tiffin, OH 44883
University of Tennessee	Dennis West	865-974-8826	dwest3@utk.edu		3421 Joe Johnson Dr, Knoxville, TN 37996-4561
Terral Seed Inc (Rev Brand)	Larry Mullen	318-559-2840	lmullen@terralseed.com	www.terralseed.com	P O Box 826, Lake Providence, LA 71254
Wyffels Hybrids	David Strawn	309-944-8334	dstrawn@wyffels.com	www.wyffels.com	13344 US Hwy. 6 Geneseo, IL 61254