

*Evaluations of
Corn Hybrids
in Alabama,
2010*

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EVALUATION OF CORN HYBRIDS IN ALABAMA

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INTRODUCTION

Selected corn hybrids are evaluated annually by the Alabama Agricultural Experiment Station as a service to producers and industry. These tests are conducted throughout the state in an attempt to determine effects of different climatic factors and soil types on yield. There are several types of tests in the program. The Preliminary Hybrid Tests are conducted at one location in each of the northern, central and southern regions of the State. These tests include experimental and newly released hybrids. If a hybrid is outstanding in the preliminary test it is entered in the Regular Corn Hybrid Test the following year.

The Regular Corn Hybrid Test is conducted at two locations in the northern region, one location in the central region and three locations in the southern region. In addition, a regular corn hybrid test is irrigated at Belle Mina and Headland. A no-till test is conducted at Shorter, AL. Locations and cultural practices for all tests are given in Table 1.

EXPERIMENTAL PROCEDURES

All tests are laid out in a randomized complete block design with four replicate plots for each variety at each location. Rows are 30 to 36 inches apart, depending on location. Two-row plots are used, and both rows are harvested. Plots are 20 to 30 feet long, depending on location. The target plant population for the tests is 25,000 plants per acre with a seeding rate of 28,000 seeds per acre. The irrigated tests at Belle Mina, Tallassee and Headland are seeded to achieve 30,000 plants per acre, but are thinned to 25,000 plants per acre.

Grain yields are adjusted to 15.5 percent moisture and converted to bushels (56 lbs) per acre. Stalks broken or leaning more than 45 degrees are considered lodged. The mid-silk data show the number of days from planting until approximately half the plants in the plots are showing silks. The Regular Corn Hybrid tests also are examined for disease incidence at selected locations each year. When virus or other disease symptoms indicate crop damage, disease ratings are compiled and published in this report.

STATISTICAL ANALYSIS

All test were conducted in randomized complete block designs and analyzed accordingly. It is important to keep in mind that genotype x environment interaction is common in multi-year and multi-location mean. This interaction usually is an indication that the relative rankings of varieties change from one environment to the next. Thus, one cannot draw widespread conclusions if the interaction is significant.

INTERPRETATION OF DATA

In replicated experiments such as those reported here, yields from each of the four replicate plots of a particular variety at a given location will be slightly different, because of inherent differences in productivity among those plots. These differences in yield among replicate plots are known as random variation. Given this situation, it is clearly necessary to have a method to determine whether differences among hybrids are "true" or "real" differences, or whether they are due to random variation. To do this a statistical analysis was conducted to determine a "least significant difference" (LSD) by comparing the differences among varieties with random variation. If the difference in yield between two hybrids is larger than the LSD, then the difference is probably real, but if the difference is less than the LSD, it may not be real. If the difference between two hybrids is less than, but close to the LSD, then there is still a chance that it is real, but if it is considerably smaller than the LSD, then it is probably not real and mainly due to random variation.

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With this in mind, it is very important to study differences in hybrid yields in relation to the LSD which is provided at the bottom of the table for each of the current year yield columns at each location. Clearly, LSD's vary from one location to another. This is because random variation varies among locations and from year to year. The coefficient of variation (CV) is a reflection of random variation, and is reported below the LSD values in the tables. If the CV is low, a precise or reliable test is indicated. Ideally, the CV should be below 10 percent, but CV's of 10 to 20 percent are acceptable. Values for the CV above 20 percent indicate a rather unreliable test, which may have been caused by factors such as disease variation among replicates, etc.

In comparing yield potential of two hybrids it is important to consider a wide range of results. Do not focus on results from only one year at one location. Two- and three-year average yields are provided by location and region. These are more useful guides than yields from only one year. However, other factors may deserve consideration. For example, differences between the highest and the lowest yield of a hybrid across several locations may be an indication of the stability of its yield under variable conditions, or what is the "risk level" of the variety.

Differences in yield of hybrids among locations will be a result of the combined effects of differences among locations in soil, weather (mainly rainfall), planting date, weed control, and other factors. To assist in estimating which factors most likely had the greatest effect on yield differences among locations, planting dates and cultural practices (Table 1), rainfall records (Table 10) and soil types (Table 11) are provided. This information also serves as a guide for assessing conditions to which results may be extrapolated.

TABLE 1. LOCATIONS AND CULTURAL PRACTICES FOR THE 2010 CORN HYBRID TRIALS

Location	Planting date	Nitrogen Rate [†] lbs/ac	Plant pop. seeds/ac	Date harvested	Herbicides used
NORTHERN ALABAMA					
Tennessee Valley Res. and Ext. Ctr. (Belle Mina)					
Regular test (non-irrigated)	March 31	175	25,000	August 16	Atrazine/Dual
Regular test (irrigated)	April 1	225	30,000	August 20	Atrazine/Dual
Sand Mountain Res. and Ext. Ctr. (Crossville)					
Regular test	May 14	140	25,000	September 3	Atrazine/Dual
CENTRAL ALABAMA					
E.V. Smith Research Center (Shorter)					
No-Till Early corn test	March 26	140	30,000	August 3	Atrazine/Dual
Prattville Experiment Field (Prattville)					
Regular test (non-irrigated)	March 25	120	25,000	August 20	Atrazine/Dual
SOUTHERN ALABAMA					
Brewton Experiment Field (Brewton)					
Regular test (non-irrigated)	April 1	120	25,000	September 7	Atrazine/Dual
Wiregrass Res. and Ext. Ctr. (Headland)					
Regular test (non-irrigated)	March 23	120	25,000	August 17	Atrazine/Dual
Regular test (irrigated)	March 24	200	30,000	August 16	Atrazine/Dual
Gulf Coast Res. and Ext. Ctr. (Fairhope)					
Regular test	March 16	190	25,000	August 9	Atrazine/Dual

[†] Lime, phosphorus, potassium, zinc, and sulfur were applied according to soil test recommendations.

EVALUATIONS OF CORN HYBRIDS IN ALABAMA 2010**TABLE 2. TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR CORN HYBRIDS IN NORTHERN ALABAMA, 2008-2010[†]**

Brand name - hybrid	Grain yield [†]		% stalks lodging [†]	
	3-yr	2-yr	3-yr	2-yr
	----- bu/acre -----		----- % -----	
Croplan Genetics 7131 VT3	100	111		0.2
NK Brand N77P-3000 GT	89	102		0.7
Dekalb DKC 63-84 (VT3)		126		0.5
Terral-REV 28HR20		116		0.1
DynaGro V 5683 VT3		116		0.8
NK Brand N78N-3000GT		114		0.8
Terral-REV 25HR49		114		0.8
Dekalb DKC 63-14 (VT3)		110		0.2
Terral-REV 25HR39		109		0.1
Terral-REV 26HR70		108		0.7
Terral-REV 26R60		108		1.6
DynaGro 57N73		108		1.3
Test Average	94	112		0.6
LSD0.10	6	8		
CV(%)	17	17		

[†] Multi-year averages do not include data from Belle Mina 2008 and 2009 because of crop failure those years.

TABLE 3. 2010 YIELD OF CORN HYBRIDS BY LOCATION AND REGIONAL AVERAGES OF HYBRID CHARACTERISTICS IN NORTHERN ALABAMA

Brand name - hybrid	Belle Mina	Cross- ville	2010 regional averages‡			
			Yield	Lodg- ing	Test- weight	Harvest moisture
	----- <i>bu/acre</i>	----- <i>bu/acre</i>	----- <i>bu/acre</i>	-- % --	<i>lb/bu</i>	-- % --
Dekalb DKC 6805 (GENVT3P)	134	76	105	0	53	15
DynaGro 56VP79	133	75	104	0	54	15
Dekalb DKC 61-35 (GENVT3P)	117	79	98	1	55	14
Dekalb DKC 63-84 (VT3)	130	63	97	1	53	13
Croplan Genetics 6926 VT3P	126	66	96	0	57	15
DynaGro 58VP99	127	65	96	0	55	17
Croplan Genetics 6125 VT3	124	68	96	0	51	10
Dekalb DKC 64-69 (GENVT3P)	132	58	95	0	56	16
Golden Acres 28V81	116	72	94	0	55	17
Dekalb DKC 66-96 (GENVT3P)	117	70	94	0	55	15
Dekalb DKC 63-14 (VT3)	116	68	92	0	53	17
Croplan Genetics 6831 RHXT	114	69	91	0	55	14
NK Brand N78N-3000GT	122	60	91	1	52	20
Croplan Genetics 7505 VT3P	116	65	91	0	54	17
Golden Acres 26V31	115	66	90	0	53	17
Terral-REV 26HR70	116	64	90	0	55	18
Master Choice MCT 6750 CBLL	123	56	90	1	56	15
Dekalb DKC 62-63 (GENVT3P)	115	64	89	0	54	13
Croplan Genetics 8505 VT3P	121	56	88	0	56	19
Croplan Genetics 7131 VT3	115	62	88	0	55	14
Dekalb DKC 62-97 (GENVT3P)	112	63	88	0	51	13
Croplan Genetics 6286 VT3P	116	59	87	0	53	14
DynaGro V 5683 VT3	121	54	87	1	53	19
Terral-REV 25HR49	123	52	87	1	55	17
Dekalb DKC 67-21 (GENVT3P)	113	62	87	1	56	15
Croplan Genetics 6725 VT3P	116	58	87	0	54	13

EVALUATIONS OF CORN HYBRIDS IN ALABAMA 2010

TABLE 3. CONTINUED

Brand name - hybrid	2010 regional averages [†]					
	Belle Mina	Cross- ville	Yield	Lodg- ing	Test- weight	Harvest moisture
	----- bu/acre -----		----- % -----	lb/bu	----- % -----	
Terral-REV 25HR39	122	51	87	0	55	18
Terral-REV 28HR20	123	49	86	0	56	21
Terral-REV 25R29	123	49	86	1	53	15
Terral-REV 28R10	127	42	85	0	55	17
Croplan Genetics 851 VT3P	115	55	85	2	54	18
Terral-REV 26R60	117	52	84	0	53	13
Syngenta N78S CB/LL	110	57	83	0	52	14
Terral-REV 25R19	111	54	83	0	54	16
Syngenta N72Q-3000GT	117	46	81	0	52	14
Golden Acres 27V01	115	47	81	0	53	18
NK Brand N77P-3000 GT	111	47	79	0	54	15
Terral-REV 28HR29	108	49	78	0	56	21
Master Choice SP 590 VT3	103	51	77	1	52	17
Syngenta N68B-3000GT	100	53	76	0	53	14
DynaGro 57N73	109	38	73	1	54	21
Test Average	118	59	88	0	54	16
LSD0.10	12	14	8			
CV(%)	11	26	15			

[†] Regional averages do not include data from the 2008 and 2009 Belle Mina trials.

TABLE 4. IRRIGATED CORN HYBRID PERFORMANCE AND CHARACTERISTICS, BELLE MINA, ALABAMA, 2008-2010 †

Brand name - hybrid	Grain yield			Lodging			Test-weight lb/bu	Harvest moisture -- % --
	3-yr	2-yr	2010	3-yr	2-yr	2010		
	----- bu/acre -----			----- % -----				
Croplan Genetics 7131 VT3	205	201	212	1	0	1	56	20
NK Brand N77P-3000 GT	197	198	206	0	0	0	56	20
Terral-REV 26R60		225	233		0	0	58	19
Terral-REV 28HR20		225	229		0	0	60	19
DynaGro V 5683 VT3		223	233		1	1	58	17
Dekalb DKC 63-84 (VT3)		216	229		0	0	57	17
DynaGro 57N73		216	231		1	1	60	20
Terral-REV 26HR70		213	216		0	0	58	20
Terral-REV 25HR39		208	230		0	1	60	19
Dekalb DKC 63-14 (VT3)		208	220		1	1	59	18
Terral-REV 25HR49		204	220		0	0	59	19
NK Brand N78N-3000GT		200	205		0	1	57	22
Dekalb DKC 64-69 (GENVT3P)			238			0	59	18
Croplan Genetics 8505 VT3P			230			1	58	19
Terral-REV 25R19			230			0	60	20
Golden Acres 28V81			229			0	57	18
Croplan Genetics 6926 VT3P			227			0	61	18
Croplan Genetics 6286 VT3P			227			0	57	19
Dekalb DKC 61-35 (GENVT3P)			225			0	58	17
Dekalb DKC 66-96 (GENVT3P)			225			0	59	19
Syngenta N78S CB/LL			224			0	57	20
Terral-REV 28HR29			223			0	58	22
Golden Acres 27V01			222			1	56	19

EVALUATIONS OF CORN HYBRIDS IN ALABAMA 2010

TABLE 4. CONTINUED.

Brand name - hybrid	Grain yield			Lodging			Test-weight	Harvest moisture
	3-yr	2-yr	2010	3-yr	2-yr	2010		
	----- bu/acre -----			----- % -----			lb/bu	-- % --
Master Choice MCT 6750 CBLL			222			0	59	21
Croplan Genetics 6725 VT3P			221			1	58	19
Syngenta N72Q-3000GT			220			0	56	18
Golden Acres 26V31			218			1	58	17
Dekalb DKC 6805 (GENVT3P)			218			0	57	20
Dekalb DKC 67-21 (GENVT3P)			215			1	59	21
Terral-REV 28R10			215			1	59	19
Dekalb DKC 62-97 (GENVT3P)			215			0	59	18
Dekalb DKC 62-63 (GENVT3P)			215			0	59	17
Croplan Genetics 6831 RHXT			209			1	56	20
Croplan Genetics 851 VT3P			209			1	57	19
Terral-REV 25R29			207			1	58	19
DynaGro 58VP99			204			0	59	19
Croplan Genetics 7505 VT3P			204			0	59	19
DynaGro 56VP79			200			0	60	18
Croplan Genetics 6125 VT3			195			0	57	16
Syngenta N68B-3000GT			195			0	57	16
Master Choice SP 590 VT3			187			0	57	20
Test Average	201	211	218	1	0	0	58	19
LSD0.10	13	13	15					
CV(%)	11	9	8					

† The 2010 irrigated test received 8.4 inches of water.

TABLE 5. ONE, TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR CORN HYBRIDS AT PRATTVILLE IN CENTRAL ALABAMA, 2008-2010

Brand name - hybrid	Grain yield			Lodging			Test-weight	Harvest moisture
	3-yr	2-yr	2010	3-yr	2-yr	2010		
	----- bu/acre -----			----- % -----			lb/bu	-- % --
Dekalb DKC 63-84 (VT3)	†	90	109	†	0	0	54	9
Terral-REV 28R30		90	102		0	0	57	10
Terral-REV 26HR50		88	104		0	0	60	10
Terral-REV 25HR39		85	106		2	0	59	10
Terral-REV 25HR49		83	97		0	0	58	10
Terral-REV 28HR20		83	106		0	0	60	10
DynaGro 57N73		79	101		0	0	57	10
Croplan Genetics 8756 VT3		79	98		0	0	57	9
Croplan Genetics 8505 VT3P			117			0	59	9
DynaGro 58VP99			109			0	59	9
Dekalb DKC 63-14 (VT3)			107			0	57	10
Dekalb DKC 6805 (GENVT3P)			107			0	56	10
Croplan Genetics 851 VT3P			106			0	57	10
DynaGro V 5683 VT3			106			0	55	10
Dekalb DKC 66-96 (GENVT3P)			105			0	58	9
Terral-REV 25R19			104			0	59	10
Terral-REV 28R10			103			0	59	10
Dekalb DKC 64-69 (GENVT3P)			102			0	57	10
Terral-REV 28HR30			101			0	58	10
Terral-REV 25R29			100			0	59	9
DynaGro 56VP79			99			0	59	9
Croplan Genetics 7131 VT3			98			0	54	10
Croplan Genetics 6725 VT3P			97			0	57	10
Dekalb DKC 67-21 (GENVT3P)			93			0	56	11
Croplan Genetics 9009 RH			84			0	58	13
Test Average		85	102		0	0	57	10
LSD0.10		6	8					
CV(%)		11	8					

†The 2008 trial was lost due to a prolonged drought, hence no three-year averages are available.

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TABLE 6. ONE, TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR THE NO-TILL EARLY CORN TEST AT SHORTER IN CENTRAL ALABAMA, 2008-2010.

Brand name - hybrid	Grain yield			Lodging			Test- weight	Harvest moisture
	3-yr	2-yr	2010	3-yr	2-yr	2010		
	----- bu/acre -----			----- % -----			lb/bu	-- % --
Dekalb DKC 63-84 (VT3)	†	140	141	†	0	0	55	17
Terral-REV 28R30		138	134		0	0	55	21
Terral-REV 28HR20		135	125		0	0	57	21
Terral-REV 26HR50		133	127		0	0	56	20
Terral-REV 25HR49		130	129		0	0	57	19
DynaGro 57N73		129	112		0	0	57	20
Terral-REV 25HR39		125	110		0	0	56	19
Croplan Genetics 8756 VT3		125	111		0	0	57	23
Dekalb DKC 64-69 (GENVT3P)			145			0	56	19
Dekalb DKC 6805 (GENVT3P)			141			0	54	21
Terral-REV 28HR30			139			0	55	22
Croplan Genetics 8505 VT3P			135			0	55	19
Croplan Genetics 7131 VT3			134			0	55	20
Terral-REV 28R10			134			0	56	21
DynaGro 56VP79			132			0	56	19
Croplan Genetics 851 VT3P			131			0	55	19
DynaGro V 5683 VT3			130			0	54	21
Dekalb DKC 67-21 (GENVT3P)			126			0	58	19
Terral-REV 25R29			122			0	57	18
Terral-REV 25R19			121			0	57	19
DynaGro 58VP99			119			0	53	19
Dekalb DKC 66-96 (GENVT3P)			118			0	56	19
Croplan Genetics 9009 RH			117			0	57	26
Dekalb DKC 63-14 (VT3)			115			1	56	18
Croplan Genetics 6725 VT3P			115				57	18
Test Average		132	126		0	0	56	20
LSD0.10		8	13					
CV(%)		9	11					

† No entries were evaluated for three consecutive seasons, hence no three-averages are available.

TABLE 7. TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR YELLOW CORN IN SOUTHERN ALABAMA, 2008-2010[†]

Brand name - hybrid	Grain yield		% stalks lodging	
	3-yr	2-yr	3-yr	2-yr
	----- bu/acre -----		----- % -----	
Terral-REV 28HR20	†	137	†	1
Terral-REV 26HR50		137		0
Terral-REV 25HR49		132		1
Croplan Genetics 7131 VT3		131		0
Terral-REV 25HR39		129		0
NK Brand N78N-3000GT		128		0
NK Brand N77P-3000 GT		124		1
Croplan Genetics 8756 VT3		122		1
Terral-REV 28R30		121		0
Test Average		129		
LSD0.10		6		
CV(%)		10		

[†] No entries were evaluated for three consecutive seasons, hence no three-averages are available.

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TABLE 8. 2010 YIELD OF CORN HYBRIDS BY LOCATION AND REGIONAL AVERAGES OF HYBRID CHARACTERISTICS IN SOUTHERN ALABAMA

Brand name - hybrid	Fair- hope	Brew- ton	Head- land	2010 regional averages			
				Yield	Lodg- ing	Test- weight	Harvest moisture
	----- bu/acre -----			-- % --	lb/bu	-- % --	
Dekalb DKC 64-69 (GENVT3P)	177	109	116	134	0	57	16
Terral-REV 28R10	188	96	127	137	0	59	16
Croplan Genetics 8505 VT3P	172	112	136	140	1	58	16
Golden Acres 27V01	181	102	136	140	0	56	15
Terral-REV 28HR20	174	101	119	131	1	59	17
Dekalb DKC 66-96 (GENVT3P)	155	117	144	139	0	58	15
Croplan Genetics 851 VT3P	163	106	143	137	1	54	15
Dekalb DKC 6805 (GENVT3P)	162	107	117	128	1	57	16
DynaGro 56VP79	154	113	134	134	0	59	15
Dekalb DKC 67-21 (GENVT3P)	163	102	114	126	0	58	17
Terral-REV 25HR49	158	106	114	126	1	58	16
Syngenta N78S CB/LL	163	101	136	133	1	57	15
DynaGro 58VP99	153	110	133	132	0	58	15
Golden Acres 28V81	154	107	110	124	0	58	16
DynaGro V 5683 VT3	163	97	127	129	0	56	15
Golden Acres 26V31	166	91	118	125	0	57	15
Terral-REV 26HR50	165	91	131	129	0	58	16
Croplan Genetics 7131 VT3	149	106	125	127	0	57	15
Terral-REV 28HR30	161	93	118	124	0	58	16
Terral-REV 25HR39	157	95	109	120	0	59	16
Terral-REV 28R30	156	94	113	121	0	58	16
NK Brand N78N-3000GT	150	96	129	125	0	58	16
Terral-REV 25R19	155	88	108	117	1	59	16
Terral-REV 25R29	141	100	118	120	0	58	16
Croplan Genetics 9009 RH	156	83	103	114	3	59	18
DynaGro 57N73	146	91	93	110	0	59	16
Croplan Genetics 6725 VT3P	141	91	127	120	0	58	15
NK Brand N77P-3000 GT	139	87	135	121	1	57	16
Syngenta N78B GT	140	85	119	115	1	56	15
Croplan Genetics 8756 VT3	155	63	120	113	1	57	16
Test Average	159	98	122	126	1	58	16
LSD0.10	10	8	8	6			
CV(%)	7	9	7	8			

TABLE 9. IRRIGATED CORN HYBRID PERFORMANCE AND CHARACTERISTICS, HEADLAND, ALABAMA, 2008-2010 †

Brand name - hybrid	Grain yield			Lodging			Test- weight	Harvest moisture
	3-yr	2-yr	2010	3-yr	2-yr	2010		
	----- bu/acre -----			----- % -----			lb/bu	-- % --
Terral-REV 26HR50	‡	201	205	‡	0	0	59	14
Croplan Genetics 8756 VT3		201	207		0	0	57	14
Terral-REV 28HR20		200	205		0	0	59	13
Terral-REV 28R30		193	198		0	0	58	15
Croplan Genetics 7131 VT3		182	189		0	0	57	14
NK Brand N78N-3000GT		178	184		0	0	57	14
Terral-REV 25HR49		173	174		0	0	58	14
Terral-REV 25HR39		173	182		0	0	60	15
NK Brand N77P-3000 GT		172	170		0	0	56	14
Dekalb DKC 66-96 (GENVT3P)			210			0	58	14
Golden Acres 27V01			209			0	55	13
Terral-REV 28R10			209			0	59	14
Syngenta N78S CB/LL			207			0	56	14
Terral-REV 28HR30			206			0	58	16
DynaGro V 5683 VT3			205			0	57	12
Golden Acres 28V81			203			0	58	14
Dekalb DKC 64-69 (GENVT3P)			203			0	57	15
Dekalb DKC 6805 (GENVT3P)			197			0	57	13
Croplan Genetics 851 VT3P			196			0	57	13
Croplan Genetics 8505 VT3P			196			0	57	14
Golden Acres 26V31			193			0	55	13
DynaGro 56VP79			193			0	59	13
DynaGro 57N73			191			0	60	14
Dekalb DKC 67-21 (GENVT3P)			184			0	57	15
Syngenta N78B GT			177			0	57	14
DynaGro 58VP99			176			0	58	13
Terral-REV 25R19			175			0	60	14
Croplan Genetics 9009 RH			167			0	58	20
Terral-REV 25R29			166			0	59	14
Croplan Genetics 6725 VT3P			157			4	57	13
Test Average		186	191		0	0	58	14
LSD0.10		14	17					
CV(%)		11	10					

† The 2010 irrigated test received 10.7 inches of water.

‡ No entries were evaluated for three consecutive seasons, hence no three-averages are available.

EVALUATIONS OF CORN HYBRIDS IN ALABAMA 2010

TABLE 10. GROWING SEASON RAINFALL, 2008-2010.

Location	Year	----- Monthly rainfall in inches -----							7-month Total
		Mar.	Apr.	May	June	July	Aug.	Sept.	
Belle Mina									
	2010	4.6	2.8	6.2	2.7	4.3	1.4	1.9	23.9
	2009	5.6	5.8	11.1	1.4	6.3	4.7	8.7	43.6
	2008	3.9	4.2	4.8	3.2	2.7	5.4	0.9	25.1
Crossville									
	2010	5.4	5.5	5.6	2.9	0.7	1.8	1.5	23.4
	2009	4.9	3.5	8.9	1.1	6.5	2.7	6.4	34.0
	2008	5.3	3.9	4.8	1.1	0.7	8.7	1.4	25.9
Shorter									
	2010	5.4	1.3	5.5	2.2	4.6	4.5	1.7	25.2
	2009	10.8	4.9	12.7	3.8	3.9	7.5	6.8	50.4
	2008	3.4	5.0	2.4	4.1	4.3	10.4	0.9	30.5
Prattville									
	2010	4.8	1.7	4.1	4.2	4.4	3.6	0.6	23.4
	2009	10.6	4.3	12.4	1.4	6.3	2.8	9.4	47.2
	2008	6.3	5.7	4.9	3.6	4.9	9.0	1.4	35.8
Brewton									
	2010	3.9	2.7	6.4	2.1	4.6	10.5	0.9	31.1
	2009	11.3	6.7	8.6	3.8	6.1	8.2	5.5	50.2
	2008	3.2	5.8	4.5	9.1	6.0	12.0	2.1	42.7
Headland									
	2010	2.3	2.6	5.0	5.1	1.9	2.9	1.6	21.4
	2009	10.6	6.2	9.8	2.2	10.2	7.8	3.9	50.7
	2008	2.1	4.1	0.9	3.6	4.9	10.3	1.4	27.3
Fairhope									
	2010	5.2	2.0	7.0	5.0	2.2	10.3	6.3	38.0
	2009	14.4	2.1	7.3	3.7	5.6	6.2	7.4	46.7
	2008	4.3	5.5	9.3	3.3	5.4	8.7	7.7	44.2

TABLE 11. SOIL TYPES FOR CORN TRIALS, 2010.

Test location	Soil type
North	
Belle Mina.....	Decatur silt loam
Crossville	Wynnvilleville fine sandy loam
Central	
Shorter.....	Norfolk sandy loam
Prattville.....	Lucedale fine sandy loam
South	
Brewton.....	Benndale fine sandy loam
Headland	Dothan sandy loam
Fairhope	Malbis fine sandy loam

SOURCE OF 2010 CORN HYBRID TRIAL SEED

Seed Company	Brand	Seed Company	Brand
Crop Production Services 544 Pridgen Pond Rd Kinston, AL 36453	Dyna-Gro	Monsanto Company 800 N. Lindbergh Blvd St. Louis, MO 63167	Dekalb DKC
Golden Acres P.O. Box 579 Buchanan Dam, TX 78609	Golden Acres	Syngenta NK Brand Seed 13760 Appomattox Cr. Laurinburg, NC 28352	NK Brand
Land O'Lakes/ Winfield Solutions 17939 Morris Rd Elkmont, AL 35620	Croplan Genetics	Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral REV
Master Choice 3010 State 146E Anna, IL 62906	Master Choice		