Evaluations of Corn Hybrids in Alabama, 2013

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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 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. 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,was 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.

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 9) and soil types (Table 10) 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 2013 CORN HYBRID TRIALS

Location	Planting date	Nitrogen Rate†	Plant pop.	Date harvested	Herbicides used
		lbs/ac	seeds/ac		
NORTHERN ALABAMA					
Tennessee Valley Res. and Ext. Ctr. (Belle Mina)					
Regular test (non-irrigated)	March 29	175	25,000	September 9-11	Atrazine/Dual
Regular test (irrigated)	March 29	225	30,000	September 18-19	Atrazine/Dual
Sand Mountain Res. and Ext. Ctr. (Crossville)					
Regular test	April 9	120	25,000	September 18	Atrazine/Accent
CENTRAL ALABAMA					
E.V. Smith Research Center (Shorter)					
No-Till Early corn test	April 5	140	30,000	August 27	Atrazine/Dual
Prattville Experiment Field (Prattville)					
Regular test (non-irrigated)	March 29	120	25,000	August 22	Atrazine/Dual
SOUTHERN ALABAMA					
Brewton Experiment Field (Brewton)					
Regular test (non-irrigated)	March 21	120	25,000	August 27	Atrazine/Dual
Gulf Coast Res. and Ext. Ctr. (Fairhope)					
Regular test	March 15	160	25,000	August 15	Atrazine

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

TABLE 2. TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR CORN HYBRIDS IN NORTHERN ALABAMA, 2011-2013†

	Grain yield†		% stalks lodging†	
Brand name - hybrid	3-yr	2-yr	3-yr	2-yr
	---------- *bu/acre* ---------		---------- *%* ----------	
DynaGro D 56VP10	164	172	2.7	0.1
Terral-REV 28HR20	163	169	0.8	0.1
Dekalb DKC 67-57 (GENVT3P)	150	162	2.3	0.4
Terral-REV 28R10	141	173	7.1	3.0
Terral REV 24BHR93		180		0.1
Terral REV 22BHR43		178		1.0
DynaGro D 57VP51		171		0.1
Terral REV 27HR83		169		0.0
DynaGro D 55VP77		167		0.6
DynaGro D 54VP81		162		0.2
Syngenta NK S78S-3111		157		0.5
Test Average	155	169		
LSD0.10	6	8		
CV(%)	10	10		

† Multi-year averages do not include data from Belle Mina 2012 because of crop failure.

TABLE 3. 2013 YIELD OF CORN HYBRIDS BY LOCATION AND REGIONAL AVERAGES OF HYBRID CHARACTERISTICS IN NORTHERN ALABAMA

			2013 regional averages‡			
Brand name - hybrid	Belle Mina	Cross-ville	Yield	Lodg-ing	Test-weight	Harvest moisture
	bu/acre			*-- % --*	*lb/bu*	*-- % --*
Terral REV 24BHR93	189	242	216	0	60	13
Terral-REV 28HR20	176	244	210	0	61	14
Terral-REV 28R10	187	229	208	6	60	14
DynaGro D 57VP75	184	231	208	0	59	15
TA 744-22DP	200	211	206	2	61	13
Augusta A7768GT	193	217	205	6	59	17
Terral REV 22BHR43	189	221	205	3	61	13
AgriGold A6659VT3PRO	181	227	204	0	61	13
Terral REV 25BHR44	159	248	204	0	61	15
DynaGro D 57VP51	193	210	202	0	61	13
Mycogen 2J794	180	220	200	0	57	14
Mycogen 2C786	189	209	199	0	57	10
TA 753-22DP	172	224	198	0	61	11
Dekalb DKC 65-19 (GENVT3P)	191	206	198	3	61	13
Terral REV 27HR83	169	225	197	0	60	15
Augusta A5262GT3000	197	197	197	0	55	11
Augusta A5565VT3PRO	184	208	196	0	61	13
Augusta A5465GTCBLL	180	212	196	2	59	16
AgriGold A6472VT3PRO	168	223	196	0	61	11
DynaGro D 56VP10	174	214	194	0	62	13
Augusta A6665VT3PRO	171	214	193	1	60	10
DynaGro D 55VP77	172	214	193	0	61	12
AgriGold A6687VT2PRO	160	223	192	0	61	12
Terral REV 22BHR21	169	212	191	2	61	13
Dekalb DKC 64-99VT2P	164	217	190	0	61	13
TA 774-13VP	187	193	190	3	59	12
AgriGold A6499VT3PRO	176	202	189	2	61	11
Augusta A7767VT2PRO	187	189	188	0	59	12
Terral REV 26BHR50	159	216	188	1	61	16
DynaGro D 56VC46	171	205	188	0	60	13
Mycogen 2V707	175	200	187	0	58	10
AgriGold A6501VT3PRO	177	198	187	0	61	11
DynaGro D 54VP81	164	209	186	0	61	12
Terral REV 18BHR84	180	192	186	0	59	12

TABLE 3. CONTINUED

Brand name - hybrid	Belle Mina	Cross-ville	2013 regional averages‡ Yield	Lodg-ing	Test-weight	Harvest moisture
	bu/acre			*-- % --*	*lb/bu*	*-- % --*
AgriGold A6573VT3PRIB	178	194	186	1	57	10
Dekalb DKC 67-57 (GENVT3P)	163	208	186	2	61	12
AgriGold A6553VT3RIB	173	195	184	2	57	10
Mycogen 2V714	180	187	184	0	56	10
TA X18691D	169	197	183	0	61	10
Mycogen 2Y816	153	212	183	0	57	12
AgriGold A6559VT2PRO	182	183	183	10	60	10
Augusta A6866GT3000	175	190	182	2	59	14
Syngenta NK S79T-3111	149	215	182	0	60	13
TA 780-22DP	160	199	179	1	59	12
Terral REV 22BHR54	155	203	179	3	58	13
Syngenta NK S78S-3111	168	187	178	2	56	12
DynaGro D 53VC13	162	192	177	0	60	12
Terral REV 17HR73	149	203	176	1	57	11
Mycogen 2A787	155	192	174	0	60	12
AgriGold A6517VT3PRIB	158	189	173	3	56	10
AgriGold A6478VT3PRO	170	176	173	6	61	10
Mycogen 2Y811	142	198	170	1	57	12
AgriGold A6533VT2RIB	157	163	160	0	59	10
Test Average	173	207	190			
LSD0.10	13	20	11			
CV(%)	9	11	9			

TABLE 4. IRRIGATED CORN HYBRID PERFORMANCE AND CHARACTERISTICS, BELLE MINA, ALABAMA, 2011-2013†

	Grain yield			Lodging				
Brand name - hybrid	3-yr	2-yr	2013	3-yr	2-yr	2013	Test-weight	Harvest moisture
	------ *bu/acre* -------			---------- *%* ----------			*lb/bu*	*-- % --*
Terral-REV 28R10	232	245	284	6	5	10	60	15
Terral-REV 28HR20	223	244	276	1	0	0	61	16
Dekalb DKC 67-57 (GENVT3P)	208	218	234	1	0	1	61	15
DynaGro D 56VP10	203	213	221	2	1	1	61	14
Terral REV 24BHR93		241	263		1	1	61	15
Terral REV 27HR83		229	253		0	0	61	16
DynaGro D 57VP51		227	248		0	0	61	15
DynaGro D 55VP77		226	239		0	0	60	15
Syngenta NK S78S-3111		225	242		0	0	58	16
DynaGro D 54VP81		223	239		0	0	60	15
Terral REV 22BHR43		218	235		0	0	62	14
Augusta A7768GT			271			5	60	18
Terral REV 26BHR50			269			0	61	17
AgriGold A6659VT3PRO			266			1	60	16
Augusta A5262GT3000			261			1	58	14
AgriGold A6687VT2PRO			260			1	61	14
Terral REV 25BHR44			257			0	61	16
DynaGro D 57VP75			257			0	60	15
Augusta A5565VT3PRO			257			0	61	15
TA 774-13VP			254			0	60	15
Augusta A5465GTCBLL			252			0	61	16
Dekalb DKC 64-99VT2P			251			0	61	15
TA 744-22DP			249			2	60	15
Augusta A7767VT2PRO			249			0	60	15
DynaGro D 56VC46			249			0	61	15
TA 753-22DP			248			0	62	15
Syngenta NK S79T-3111			246			1	60	15
AgriGold A6573VT3PRIB			242			1	59	14
Mycogen 2J794			242			0	58	17
AgriGold A6499VT3PRO			241			2	60	14
Terral REV 22BHR54			240			0	59	15

TABLE 4. CONTINUED.

Brand name - hybrid	Grain yield			Lodging			Test-weight	Harvest moisture
	3-yr	2-yr	2013	3-yr	2-yr	2013		
	------ *bu/acre* -------			---------- *%* ----------			*lb/bu*	*-- % --*
AgriGold A6517VT3PRIB			239			1	58	13
AgriGold A6559VT2PRO			238			0	61	14
AgriGold A6472VT3PRO			238			0	62	14
Mycogen 2Y816			237			0	59	15
AgriGold A6501VT3PRO			236			0	62	15
Terral REV 22BHR21			236			0	61	14
Augusta A6866GT3000			233			1	60	15
AgriGold A6553VT3RIB			233			1	59	14
TA X18691D			232			0	61	14
Mycogen 2V707			231			2	59	13
Mycogen 2Y811			230			2	59	15
Mycogen 2C786			229			2	59	14
Dekalb DKC 65-19 (GENVT3P)			228			0	60	15
Mycogen 2V714			227			3	58	12
Augusta A6665VT3PRO			226			1	61	14
Terral REV 18BHR84			225			0	59	14
TA 780-22DP			221			1	59	15
Terral REV 17HR73			221			0	59	13
Mycogen 2A787			216			1	60	14
DynaGro D 53VC13			214			1	60	15
AgriGold A6478VT3PRO			209			2	63	15
AgriGold A6533VT2RIB			193			1	60	14
Test Average	217	228	241					
LSD0.10	10	11	15					
CV(%)	9	8	7					

† The 2013 irrigated test received 4.90 inches of water.

TABLE 5. ONE, TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR CORN HYBRIDS AT PRATTVILLE IN CENTRAL ALABAMA, 2011-2013

	Grain yield			Lodging				
Brand name - hybrid	3-yr	2-yr	2013	3-yr	2-yr	2013	Test-weight	Harvest moisture
	------ *bu/acre* -------			---------- *%* ----------			*lb/bu*	*-- % --*
Dekalb DKC 67-57 (GENVT3P)	112	118	137	0	0	0	53	17
Terral-REV 28R10	85	102	142	0	0	0	52	17
Terral-REV 28HR20	81	99	137	0	0	0	51	16
Terral REV 22BHR43		101	122		0	0	55	15
Terral REV 24BHR93		99	135		0	0	52	15
Terral REV 27HR83		96	132		0	0	53	16
Terral REV 26BHR50			139			0	52	16
AgriGold A6659VT3PRO			159			0	52	16
Mycogen 2J794			148			0	48	19
Mycogen 2C786			145			0	51	15
Augusta A6866GT3000			140			0	51	16
TA 774-13VP			138			0	51	14
TA 744-22DP			136			0	51	14
TA 780-22DP			136			0	50	18
Augusta A5465GTCBLL			135			0	51	16
Augusta A7767VT2PRO			134			0	51	15
AgriGold A6687VT2PRO			132			0	52	14
Mycogen 2A787			132			0	50	16
Mycogen 2V714			131			1	50	15
AgriGold A6472VT3PRO			130			0	53	15
Augusta A5262GT3000			128			0	49	16
AgriGold A6553VT3RIB			128			0	48	17
AgriGold A6517VT3PRIB			127			0	50	16
Augusta A5565VT3PRO			127			0	53	15
Dekalb DKC 65-19 (GENVT3P)			127			0	54	15

continued

TABLE 5. CONTINUED

Brand name - hybrid	Grain yield 3-yr	Grain yield 2-yr	Grain yield 2013	Lodging 3-yr	Lodging 2-yr	Lodging 2013	Test-weight	Harvest moisture
	bu/acre			*%*			*lb/bu*	*%*
Terral REV 18BHR84			125			0	53	15
TA X18691D			124			0	54	16
AgriGold A6501VT3PRO			124			0	54	13
Augusta A6665VT3PRO			124			0	54	12
AgriGold A6573VT3PRIB			123			1	50	16
AgriGold A6499VT3PRO			121			0	53	14
Mycogen 2Y811			121			0	49	18
Terral REV 22BHR21			119			0	57	14
Terral REV 25BHR44			119			0	53	16
Mycogen 2V707			118			1	52	15
AgriGold A6559VT2PRO			118			0	54	14
Mycogen 2Y816			115			0	49	18
AgriGold A6533VT2RIB			115			0	52	15
Dekalb DKC 64-99VT2P			114			0	53	16
Terral REV 22BHR54			114			0	49	16
TA 753-22DP			112			0	53	15
AgriGold A6478VT3PRO			111			0	55	16
Terral REV 17HR73			107			0	52	15
Test Average	93	102	128					
LSD0.10	8	7	11					
CV(%)	15	11	10					

TABLE 6. ONE, TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR THE NO-TILL EARLY CORN TEST AT SHORTER IN CENTRAL ALABAMA, 2011-2013.

	Grain yield			Lodging				
Brand name - hybrid	3-yr	2-yr	2013	3-yr	2-yr	2013	Test-weight	Harvest moisture
	------ *bu/acre* -------			---------- *%* ----------			*lb/bu*	-- *%* --
Dekalb DKC 67-57 (GENVT3P)	137	151	160	0			55	20
Terral-REV 28HR20	119	151	172	0			52	21
Terral-REV 28R10	111	133	160	0			51	21
Terral REV 24BHR93		149	170				54	20
Terral REV 27HR83		142	166				57	20
Terral REV 22BHR43		132	149				55	20
AgriGold A6659VT3PRO			193				51	20
Dekalb DKC 65-19 (GENVT3P)			187				54	20
Augusta A6866GT3000			184				55	21
Augusta A7767VT2PRO			180				54	21
AgriGold A6499VT3PRO			175				54	19
TA 774-13VP			172				52	21
AgriGold A6553VT3RIB			171				56	20
TA 744-22DP			171				54	20
Terral REV 26BHR50			170				56	21
TA X18691D			168				56	18
Mycogen 2J794			167				52	20
AgriGold A6472VT3PRO			165				54	19
Terral REV 18BHR84			162				55	19
Mycogen 2C786			161				52	20
Augusta A5565VT3PRO			161				54	20
Mycogen 2A787			156				55	20
Terral REV 25BHR44			156				49	21
Augusta A6665VT3PRO			155				54	18
AgriGold A6687VT2PRO			152				57	19

continued

TABLE 6. CONTINUED.

Brand name - hybrid	Grain yield			Lodging			Test-weight	Harvest moisture
	3-yr	2-yr	2013	3-yr	2-yr	2013		
	------ *bu/acre* -------			---------- *%* ----------			*lb/bu*	*-- % --*
Augusta A5465GTCBLL			151				53	20
Dekalb DKC 64-99VT2P			147				52	20
AgriGold A6501VT3PRO			146				54	19
Mycogen 2V707			146				56	19
Terral REV 22BHR21			144				53	19
AgriGold A6478VT3PRO			142				53	19
AgriGold A6533VT2RIB			141				52	19
Augusta A5262GT3000			138				56	21
Mycogen 2Y811			138				49	20
AgriGold A6573VT3PRIB			137				52	19
AgriGold A6517VT3PRIB			134				53	21
Terral REV 17HR73			134				52	19
Mycogen 2V714			134				52	19
AgriGold A6559VT2PRO			133				51	18
TA 780-22DP			129				53	20
Terral REV 22BHR54			128				53	21
TA 753-22DP			113				54	19
Mycogen 2Y816			102				52	21
Test Average	122	143	154					
LSD0.10	9	14	25					
CV(%)	14	15	18					

TABLE 7. TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR CORN IN SOUTHERN ALABAMA, 2011-2013†

	Grain yield		% stalks lodging	
Brand name - hybrid	3-yr	2-yr	3-yr	2-yr
	---------- *bu/acre* ---------		---------- *%* ----------	
DynaGro D 56VP10	123	138	1	1
Terral-REV 28HR20	122	151	1	1
Terral-REV 28R10	121	151	2	2
Dekalb DKC 67-57 (GENVT3P)	112	132	1	1
DynaGro D 57VP51		144		3
Terral REV 22BHR43		142		4
Terral REV 27HR83		138		3
Terral REV 24BHR93		136		5
DynaGro D 55VP77		136		1
Test Average	119	141		
LSD0.10	6	9		
CV(%)	14	14		

† Data based on Brewton and Fairhope only; there is no longer a corn test at Headland.

TABLE 8. 2013 YIELD OF CORN HYBRIDS BY LOCATION AND REGIONAL AVERAGES OF HYBRID CHARACTERISTICS IN SOUTHERN ALABAMA

				2013 regional averages			
Brand name - hybrid	Fair-hope	Brew-ton	Head-land	Yield	Lodg-ing	Test-weight	Harvest moisture
	---------- *bu/acre* ----------				*-- % --*	*lb/bu*	*-- % --*
Terral-REV 28R10	184	135		160	2	57	19
Terral REV 27HR83	169	141		155	2	57	20
Terral-REV 28HR20	170	135		153	0	57	19
Mycogen 2J794	166	139		152	1	57	18
Terral REV 22BHR43	174	129		151	5	57	19
Terral REV 24BHR93	156	143		150	2	57	19
Mycogen 2A787	171	128		150	0	57	19
TA 744-22DP	157	140		148	2	57	18
DynaGro D 57VP75	158	135		147	2	57	19
Terral REV 26BHR50	174	120		147	2	57	20
DynaGro D 56VC46	163	130		147	2	57	19
DynaGro D 56VP10	155	138		146	1	57	19
TA 774-13VP	153	139		146	2	56	20
Terral REV 22BHR21	169	119		144	1	57	19
Mycogen 2C786	147	139		143	2	57	18
DynaGro D 57VP51	168	114		141	4	57	18
Terral REV 18BHR84	161	120		141	2	57	18
Mycogen 2Y811	160	120		140	4	57	18
Augusta A7767VT2PRO	138	141		140	1	57	20
Augusta A5565VT3PRO	146	133		140	1	57	18
DynaGro D 55VP77	144	133		138	2	58	17
Dekalb DKC 64-99VT2P	149	127		138	2	58	19
TA 780-22DP	151	121		136	4	56	19
Dekalb DKC 65-19 (GENVT3P)	144	127		135	2	57	19
Augusta A5465GTCBLL	150	121		135	2	57	20
Terral REV 22BHR54	144	126		135	3	58	18
Terral REV 25BHR44	134	132		133	1	57	18
DynaGro D 53VC13	144	121		133	1	57	18
Dekalb DKC 67-57 (GENVT3P)	137	125		131	2	57	18
Augusta A5262GT3000	135	127		131	3	57	19
Augusta A6665VT3PRO	139	122		131	1	57	19
Mycogen 2Y816	150	108		129	8	57	18
TA 753-22DP	142	111		127	2	57	18

continued

† Data based on Brewton and Fairhope only; there is no longer a corn test at Headland.

TABLE 8. CONTINUED.

Brand name - hybrid	Fair-hope	Brew-ton	Head-land	2013 regional averages Yield	Lodg-ing	Test-weight	Harvest moisture
	---------- *bu/acre* ----------				*-- % --*	*lb/bu*	*-- % --*
TA X18691D	136	116		126	2	58	17
Mycogen 2V707	140	109		124	7	57	17
Terral REV 17HR73	124	116		120	2	58	17
Augusta A6866GT3000	138	101		119	7	57	18
Mycogen 2V714	145	80		113	12	58	17
Test Average	152	125		139			
LSD0.10	19	13		11			
CV(%)	13	11		12			

† Data based on Brewton and Fairhope only; there is no longer a corn test at Headland.

TABLE 9. GROWING SEASON RAINFALL, 2011-2013.

Location	Year	Monthly rainfall in inches							7-month total
		Mar.	Apr.	May	June	July	Aug.	Sept.	
Belle Mina									
	2013	5.6	5.3	6.5	3.3	9.8	2.2	4.2	36.9
	2012	3.4	1.7	3.2	1.3	8.7	3.4	5.5	27.2
	2011	9.5	11.5	2.8	3.4	4.7	4.6	5.8	42.3
Crossville									
	2013	5.3	7.9	7.9	5.7	8.8	7.1	3.7	46.4
	2012	5.3	1.2	2.0	3.4	6.0	4.3	5.5	27.7
	2011	8.7	7.6	2.3	7.0	5.5	1.8	8.9	41.8
Shorter									
	2013	2.4	3.2	1.9	8.8	6.5	5.8	2.5	31.1
	2012	3.3	1.2	9.1	2.3	4.3	4.9	2.8	27.9
	2011	5.4	2.3	2.4	3.7	6.6	0.5	5.8	26.7
Prattville									
	2013	3.0	4.5	1.9	5.6	7.5	5.5	4.6	32.6
	2012	5.4	1.6	5.3	3.5	1.3	4.8	3.7	25.6
	2011	7.8	3.1	4.8	2.7	4.5	2.0	3.8	28.7
Brewton									
	2013	2.7	5.0	2.5	7.5	6.3	7.2	8.2	39.4
	2012	2.0	3.1	3.8	9.9	9.4	9.6	4.1	41.9
	2011	7.9	4.3	3.1	5.2	7.7	2.3	5.4	35.9
Fairhope									
	2013	1.6	4.0	9.4	8.9	16.7	8.8	1.9	51.3
	2012	2.2	2.6	7.5	11.3	7.9	4.6	3.8	39.9
	2011	4.6	1.1	0.9	3.9	10.1	1.2	11.1	32.9

TABLE 10. Soil Types for Corn Trials, 2013.

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

Source of 2013 Corn Hybrid Trial Seed

Seed Company	Brand	Seed Company	Brand
AgriGold Hybrids 5381 Akin Road St. Francisville, IL 62460	AgriGold	Mycogen Seeds 117 Emerald Drive West Monroe, LA 71292	Mycogen
Augusta Seed P.O. Box 899 Verona, VA 24482	Augusta	Syngenta NK Brand Seed 112 Meadowlark Lane Indianola, MS 38751	NK Brand
Crop Production Services 720 Hwy 52 South Kinston, AL 36453	Dyna-Gro	T.A. Seeds P.O. Box 300 Avis, PA 17721	TA
Monsanto Company 800 N. Lindbergh Blvd St. Louis, MO 63167	Dekalb DKC	Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	Terral REV