

2006 CORN UPDATE

ARKANSAS CORN PERFORMANCE TRIALS AND HYBRID SELECTION

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Corn performance trials were conducted at five locations (Figure 1) in Arkansas in 2006. The information provided includes yield potential and agronomic considerations for successful corn production. This publication is intended to help producers select high-yielding hybrids.



FIGURE 1. LOCATIONS OF ARKANSAS CORN PERFORMANCE TESTS, 2006

- 1 – Northeast Research and Extension Center, Keiser - Sharkey Clay Soil
- 2 – Lon Mann Cotton Branch Experiment Station, Marianna –Calloway Silt Loam Soil
- 3 – Bell Farm, Prairie County - Calloway Silt Loam Soil
- 4 – Rice Research and Extension Center, Stuttgart - Crowley Silt Loam Soil
- 5 – Southeast Research and Extension Center, Rohwer- Sharkey/Desha Silt Loam Soil
- 6 – Lafayette County, Dale Seiler Farm, Caspiana Silt Loam Soil

Methods

Corn hybrids and experimental lines were entered and evaluated in the Arkansas corn hybrid performance trials to provide an unbiased comparison of their performance. In general, recommended cultural practices were used and tailored by site location.

Each trial consisted of 82 hybrids and experimental lines replicated four times in a randomized complete block design. Of the hybrids and experimental lines, 63 were considered early- to mid-season ranging in relative maturity from 109 to 116 days and 19 were considered mid- to late-season hybrids with a relative maturity range of 117 to 120 days. Row spacing was 38 inches at Keiser and Rohwer, 32 inches at Stuttgart, and 30 inches at Marianna, Bell Farm, and Lafayette County. Phosphorus and Potassium fertilizer were applied according to soil test analysis and total nitrogen applied ranged from 250 to 330 lbs/ac, depending on soil type. All trials were fully irrigated as needed according to the Arkansas Irrigation Scheduling Program. For further details concerning agronomic practices, consult the *Arkansas Corn and Grain Sorghum Performance Test – 2006*, Arkansas Agricultural Experiment Station, which can be found at www.Arkansasvarietytesting.org

Yields of corn hybrids in the Arkansas Performance Trials for 2006 are located in Tables 1A and 1B. The two-year and three-year average yields are reported in Table 2A and 2B. Agronomic characteristics of each hybrid are found in Table 3A and 3B.

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Hybrid Selection

Numerous corn hybrids are commercially available in Arkansas. Extensive breeding programs exist for the development of high-yielding hybrids that provide desired agronomic characteristics. These hybrids are released yearly, and many are included in the Arkansas Corn Performance Test.

Hybrid selection is an important management decision for successful corn production. Yield potential is important, but should not be the primary concern when selecting a hybrid. Other agronomic characteristics such as lodging, ear placement height, test weight, disease reaction, ear shuck cover, and ear flexing should also be considered (See Tables 3A and 3B). Corn yields are influenced by the adaptation of the hybrid and by the level of management to maximize the genetic yield potential. No corn hybrid is superior to all other hybrids under all circumstances. Thus, selecting two or more hybrids is recommended which not only reduces the risks associated with adverse environmental factors but also benefits management operations such as harvesting.

The performance of a given hybrid will differ from site to site each year. While the yield data from all locations may be helpful, the data from the locations nearest to your farm may be the most meaningful. The adaptability of a particular hybrid at the location representing a soil type similar to yours should also be considered. Hybrid performance differs by location due to environmental factors. By selecting hybrids with a two or three-year yield average, a more realistic performance of the hybrids can be evaluated. Therefore, selecting adapted corn hybrids with a two- or three-year yield history is important. (See Table 2A and Table 2B).

Relative Maturity

Corn hybrids are classified according to relative maturity. The early- to mid-season hybrids roughly represent maturity of 109-116 day, while mid-full-season hybrids represent 117 to 119 day maturity.

The early maturity hybrids tend to perform best when planted early thus potentially avoiding environmental stress during July. These early hybrids are likely more adapted to 30-inch row spacing than later maturing hybrids. The ear shuck cover is typically loose on the early hybrids allowing quicker drydown, thus allowing earlier delivery to the elevator for possible premium payments in August.

The late-maturing hybrids offer advantages in late plantings and replanting circumstances due to their ability to tolerate environmental stress. Furthermore these late hybrids appear to perform better than early hybrids in row widths greater than 36 inches.

Diseases

Thorough disease ratings on hybrids grown in Arkansas have not been gathered. Most corn hybrids adapted to Arkansas are developed by private seed companies. These companies or local seed dealers are good sources of information for the disease reaction for a specific hybrid.

Good production practices such as balanced soil fertilization and proper irrigation scheduling should help to minimize corn diseases. Also, proper drain furrow construction will aid in preventing stressed corn, thereby reducing possible disease development.

Nematodes have been reported feeding on corn. Several corn hybrids are excellent hosts for root-knot nematodes (RKN), and corn **should not** be used as a non-host rotation crop when attempting to manage RKN in other crops.

Insects

Corn can be attacked by many insects, but economic damage may not occur every year. Typically, early planted corn will have less insect pressure. Insects feeding on the corn seed and the root system can lead to reduced stands. With this in mind, seed insecticide treatments or in-furrow insecticides are recommended to control seed corn maggot, southern corn rootworm, white grubs, wireworms and for suppression of chinch bugs. Check the insecticide label for possible interactions with corn herbicides that may lead to crop injury.

Mycotoxins

Storage diseases of harvested corn grain can lead to the production of mycotoxins, especially aflatoxin. The fungi *Aspergillus flavus* and *Aspergillus parasiticus* may produce aflatoxin only under specific conditions. Consequently, the presence of fungi in grain does not always indicate the presence of aflatoxin. To prevent or reduce possible aflatoxin production, plant early, maintain adequate soil moisture, and plant corn with adequate shuck cover. Also, adjust the combine to reduce kernel injury since the fungi can colonize on stressed, cracked or broken kernels. Harvest unstressed areas of corn first, thereby reducing possible grain contamination from stressed areas in the field. Rapid drying of the grain is required for safe storage since aflatoxin development stops when grain moisture is 12 percent or less.

Table 1A. Yields (bu./A) of Corn Hybrids in Arkansas Performance Trials, 2006^{1 4}.

			Keiser	Maria.	Stutt.	Bell	Rohwer	Lafay.	
Brand/Hybrid			Irrig.	Irrig.	Irrig.	Irrig.	Irrig.	Irrig.	Avg.
Early- Mid Hybrids	RM²	Trait³	-----bu./A-----						
Belle 1533Y	115	YGCB	210.9	278.1	233.5	219.7	229.3	228.9	233.4
Belle 1545RY	115	RR, YGCB	226.6	257.2	231.8	195.2	212.7	198.3	220.3
Croplan 631RR/BT	111	RR, YGCB	203.9	260.1	225.1	197.4	218.4	227.5	222.1
Croplan 851RR/BT	115	RR, YGCB	220.7	254.2	249.4	218.8	233.6	230.9	234.6
Dekalb DKC61-22	111	RR	194.7	237.4	241.1	210.6	218.9	219.1	220.3
Dekalb DKC61-45	111	RR, YGCB	201.7	239.3	240.3	208.0	204.4	212.8	217.8
Dekalb DKC63-46	113	RR, YGCB	187.7	242.6	240.4	212.0	199.5	225.2	217.9
Dekalb DKC64-27	114	RR	179.7	240.5	221.3	222.6	205.5	218.0	214.6
Dekalb DKC64-81	114	YGCB	227.7	266.2	229.5	222.1	226.0	220.7	232.0
Dekalb DKC66-23	116	RR, YGCB	193.2	262.4	236.9	222.8	221.3	222.7	226.6
Dyna-Gro 5528Bt	115	YGCB	216.3	238.8	208.3	209.2	218.4	211.5	217.1
Dyna-Gro 57B90	113	RR, YG+	206.3	262.0	240.1	218.6	209.1	218.0	225.7
Dyna-Gro 57F87	115	YGCB	223.1	273.2	247.3	226.0	222.0	218.5	235.0
Dyna-Gro 57K14	109	RR	192.1	272.4	229.9	210.5	224.0	228.1	226.2
Dyna-Gro 57K33	114	RR	208.8	264.5	233.1	220.0	196.4	211.5	222.4
Dyna-Gro 57K58	115	RR	217.6	278.7	249.0	234.6	239.6	208.3	238.0
Dyna-Gro 57N96	114	Conv.	203.0	268.1	246.5	223.7	231.1	229.0	233.6
Dyna-Gro 57P12	115	RR, YGCB	225.9	268.4	241.0	201.6	226.2	204.6	228.0
Dyna-Gro 57P46	113	RR, YGCB	198.2	265.9	232.9	227.7	225.2	226.9	229.5
Dyna-Gro 57P69	113	RR, YGCB	200.7	249.5	223.2	208.6	212.6	227.9	220.4
Dyna-Gro 58P59	116	RR, YGCB	224.9	278.1	256.0	216.0	230.6	214.3	236.7
FB 814CB	115	YGCB	195.2	273.7	235.5	213.1	231.0	216.4	227.5
FB 904RRCBYG	112	RR, YGCB	218.4	280.5	245.2	206.0	238.4	230.0	236.4
FB 905RRCB	116	RR, YGCB	207.8	232.5	219.5	207.4	207.1	218.9	215.5
FFR 736BT	112	YGCB	209.8	235.8	243.9	221.6	220.3	203.6	222.5
FFR 756RRBT	115	RR, YGCB	197.8	248.4	224.8	214.9	233.3	223.8	223.8
FFR 835BT	116	YGCB	234.5	261.5	251.7	215.5	226.1	223.6	235.5
Garst 8225YG1/RR	115	RR, YGCB	202.4	283.6	230.8	205.9	223.0	209.0	225.8
Garst 8248RR	115	RR	213.1	278.9	225.8	235.4	212.8	195.1	226.9
Garst 8380IT	115	IT	204.6	248.3	240.8	217.3	232.5	219.9	227.2
Garst 8450IT	111	IT	200.8	238.6	210.5	195.3	205.8	213.0	210.7
Golden Ac 2831RRB	115	RR, YGCB	226.6	262.5	254.3	248.0	236.7	223.7	242.0
Golden Har9006Bt/R	112	RR, YGCB	230.5	245.8	191.6	219.8	209.7	204.6	217.0
Laser L-8H21RR	111	RR	184.7	229.4	212.4	201.6	204.5	214.8	207.9
Laser L-9H63Bt/RR	114	RR, YGCB	240.9	252.2	241.6	231.3	225.1	219.7	235.1
Laser L-9H93Bt/RR	115	RR, YGCB	240.3	258.0	237.8	218.1	227.6		236.4
Mycogen 2H789	114	CL	182.3	238.2	206.9	204.9	223.3	239.8	215.9
Mycogen 2M797	115	LL, HX	193.0	253.6	233.2	218.5	215.8	221.8	222.7
Mycogen 2T780	114	LL, HX	184.9	241.5	265.2	243.1	230.1	231.5	232.7
NK Brand N65-C5	109	LL, YGCB	219.1	272.7	218.6	218.6	222.3	219.8	228.5
NK Brand N70-T9	112	LL, YGCB	189.8	264.3	241.6	222.5	204.0	224.1	224.4
NK Brand N76-D3	114	LL, YGCB	211.2	253.4	229.6	223.8	227.9	207.2	225.5
NK Brand N68-B8	110	LL, YGCB	180.7	257.9	209.7	196.5	227.7		214.5
Pioneer 33M53	114	RR	230.6	260.6	235.6	224.9	243.6	215.2	235.1
Pioneer 33N56	112	Conv.	215.1	244.1	242.5	209.9	206.6	222.6	223.5
Pioneer 34A16	110	LL, HX	180.4	231.8	181.0	226.9	196.4	219.7	206.0
Terral TV23R31	113	RR	219.9	240.4	222.4	192.1	223.4	205.9	217.4
Terral TV25BR23	115	RR YGCB	211.2	275.5	235.7	207.7	230.3	226.6	231.2
Terral TV25R31	115	RR	204.6	258.0	239.6	225.0	217.1	234.6	229.8
Terral TV26B34	116	YGCB	220.9	275.3	238.1	232.0	213.5	211.1	231.8
Terral TV26B82	116	YGCB	237.5	258.5	241.2	218.4	224.2	224.0	234.0
Terral TV26BR41	116	RR, YGCB	214.1	258.4	251.1	233.7	219.5	213.2	231.7
Terral TV26BR61	116	RR, YGCB	240.0	257.9	235.1	209.5	235.4	215.2	232.2
Terral TV27C48	116	Conv.	203.2	232.9	220.2	211.3	224.2	218.2	218.3
Terral TVX24BR601	114	RR, YGCB	219.3	250.3	233.1	202.3	220.1	203.5	221.4

Brand/Hybrid			Keiser	Maria.	Stutt.	Bell	Rohwer	Lafay.	Avg.
			Irrig.	Irrig.	Irrig.	Irrig.	Irrig.	Irrig.	
Early- Mid Hybrids	RM ²	Trait ³	-----bu./A-----						
Terral TVX25BR601	115	RR, YGCB	228.1	243.1	220.3	210.4	212.8	221.8	222.8
Terral TVX25BR602	115	RR, YGCB	218.1	245.1	231.3	193.1	224.5	216.1	221.4
Terral TVX25BR603	115	RR, YGCB	232.5	256.1	235.1	225.6	232.5	215.4	232.9
Terral TVX25BR604	115	RR, YGCB	215.9	255.7	211.8	229.5	227.6	208.3	224.8
Terral TVX25BR605	115	RR, YGCB	222.6	255.1	218.4	213.6	218.8	214.4	223.8
Terral TVX25R501	115	RR	188.1	239.1	212.6	208.3	220.9	213.3	213.7
Terral TVX26BR601	116	RR, YGCB	228.8	269.0	229.4	236.0	234.9	225.0	237.2
Triumph 1536CbRR	113	RR, YGCB	191.1	252.1	249.7	204.4	225.5	219.5	223.7
Grand mean			210.4	256.0	231.9	216.2	221.3	218.1	225.7
LSD (5%)			32.7	24.8	22.4	22.2	18.5	28.5	•
C.V. (%)			11.2	7.0	7.0	7.4	6.0	9.4	•

¹Keiser = Northeast Research and Extension Center, Maria. = Lon Mann Cotton Branch Research Station, Stutt = Rice Research and Extension Center, Bell = Bell Farming Company, Prairie County, Rohwer = Southeast Research and Extension Center - Rohwer Division, Lafay. = Lafayette County, Southwest Arkansas

² RM = Relative Maturity in Days

³ Traits: RR = Roundup Ready, YGCB = YieldGard Corn Borer, CL = Clearfield, IT = Imidazolinone Tolerant, LL = Liberty Link, HX = Herculex, YG+ = YieldGard Corn Borer + YieldGard Corn Rootworm, Conv. = Conventional

⁴ Yields in bold indicate that hybrid yield was equal to or greater than the trial average

Brand/Hybrid			Keiser	Maria.	Stutt.	Bell	Rohwer	Lafay.	Avg.
			Irr.	Irr	Irr.	Irr.	Irr.	Irr.	
Mid-Full Hybrids	RM	Trait	-----bu./A-----						
Belle 1525R	117	RR	198.4	228.7	195.3	188.8	208.2	207.6	204.5
Belle 1747RY	117	RR, YGCB	212.7	232.4	215.1	192.9	211.1	218.2	213.7
Croplan 799RR/BT	117	RR, YGCB	224.9	255.0	217.8	189.9	218.1	226.4	222.0
Croplan 818RR/BT	118	RR, YGCB	208.1	271.2	227.9	214.3	236.1	222.5	230.0
Dekalb DKC67-23	117	RR, YGCB	210.0	247.3	241.1	229.8	218.9	213.3	226.7
Dekalb DKC69-71	119	RR, YGCB	233.5	248.3	250.4	182.7	184.4	217.3	219.4
Dyna-Gro 58K02	117	RR	196.8	233.0	206.6	190.3	218.1	226.4	211.9
Dyna-Gro 58K40	117	RR	188.3	229.9	220.1	188.4	214.2	217.1	209.7
Dyna-Gro 58P45	119	RR, YGCB	204.6	239.5	241.2	199.0	219.4	226.1	221.6
Dyna-Gro 58P60	120	RR, YGCB	207.2	254.0	225.5	201.8	207.4	229.8	221.0
FB 927RRCB	117	RR, YGCB	216.0	219.7	189.9	182.8	203.6	231.4	207.2
FFR 843RRBT	117	RR, YGCB	218.9	240.6	212.6	191.1	219.1	227.8	218.4
Golden Ac2841RRB	117	RR, YGCB	209.7	258.6	229.1	203.2	232.3	189.0	220.3
Golden Ac2993RRB	119	RR, YGCB	219.7	256.0	215.3	184.0	219.5	213.9	218.1
Pioneer 31D58	119	Conv.	245.0	251.8	230.8	203.6	257.1	216.1	234.1
Pioneer 31G96	117	RR, LL, HX	248.0	232.0	262.4	208.4	247.8	219.1	236.3
Pioneer 31N28	119	YGCB	228.1	238.9	244.4	212.9	234.9	237.3	232.8
Pioneer 31P41	118	Conv.	238.8	258.3	231.6	216.0	239.1	220.3	234.0
Pioneer 32B29	118	RR, YGCB	220.4	273.8	236.6	209.3	237.4	211.3	231.5
Grand mean			217.3	245.7	226.0	199.4	222.5	219.5	221.7
LSD (5%)			29.8	28.1	19.9	20.3	20.6	27.7	•
C.V. (%)			9.6	8.0	6.2	7.2	6.5	8.9	•

** Yields in bold indicate that hybrid yield was equal to or greater than the trial average

Table 2A. Two and Three Year Average Yields of Corn Hybrids in Arkansas Performance Trials, 2003-2006

Brand/Hybrid <u>Early- Mid-Season Hybrids</u>	Keiser		Marianna		Bell Farm		Rohwer	
	2-Year Avg.	3-Year Avg.	2-Year Avg.	3-Year Avg.	2-Year Avg.	3-Year Avg.	2-Year Avg.	3-Year Avg.
	-----bu./A-----							
Belle 1533Y	215.8	213.4	260.4	241.7	211.1	•	205.7	196.0
Belle 1545RY	234.8	227.8	240.4	221.9	189.0	•	200.9	201.7
Croplan 631RR/Bt	216.4	206.7	237.7	225.3	179.0	•	202.6	204.9
Croplan 851RR/Bt	231.2	•	234.1	•	194.2	•	191.2	•
DEKALB DKC61-45	200.5	189.2	234.9	224.1	196.5	•	206.0	198.8
Dyna-Gro 5528Bt	227.8	222.6	217.4	207.8	190.1	189.2	206.5	207.0
Dyna-Gro 57F87	220.1	219.5	236.9	221.1	203.2	•	212.0	206.5
Dyna-Gro 57K14	209.1	190.5	250.7	232.4	186.2	187.7	200.4	194.3
Dyna-Gro 57N96	204.6	•	243.5	•	203.7	200.4	199.3	•
Dyna-Gro 57P12	221.3	•	241.7	•	189.9	•	213.0	•
Dyna-Gro 57P46	205.1	•	238.4	•	195.6	•	205.3	•
Dyna-Gro 58P59	223.1	•	255.2	•	201.1	•	201.9	•
FB 814CB	225.0	•	248.3	•	194.3	•	217.9	•
FB 904RRRCBYG	222.3	•	254.4	•	183.4	•	211.9	•
FFR 736Bt	217.1	222.5	233.6	225.6	197.1	200.1	204.4	196.9
FFR 835Bt	229.7	218.0	238.5	221.8	188.9	•	187.2	185.4
Garst 8225YG1/RR	196.4	•	247.2	•	178.4	•	201.1	•
Garst 8380IT	218.0	•	237.5	•	201.9	•	204.7	•
Golden Acres 2831RRB	220.2	226.2	245.9	228.5	214.0	•	210.3	204.6
NK Brand N65-C5	224.8	•	247.7	•	193.8	•	202.2	•
NK Brand N70-T9	200.8	202.3	238.4	228.1	193.2	193.1	199.7	195.0
NK Brand N76-D3	215.4	•	237.6	•	205.5	•	214.7	•
Pioneer 33N56	234.8	214.9	239.5	224.3	196.4	•	196.2	186.7
Terral TV23R31	225.2	212.9	219.4	207.2	172.0	•	198.7	188.1
Terral TV25BR23	204.5	207.8	252.1	234.8	195.1	197.7	213.9	202.2
Terral TV25R31	202.9	195.9	236.6	224.8	201.1	•	196.8	194.2
Terral TV26B34	227.0	229.3	255.7	233.0	210.8	208.9	199.8	202.1
Terral TV26B82	216.0	215.5	238.7	228.4	200.7	•	194.7	198.3
Terral TV26BR41	208.5	212.3	240.9	229.1	206.4	•	213.9	207.8
Terral TV27C48	200.1	•	228.2	•	194.9	•	201.9	•
Terral TVX25R501	198.3	•	216.0	•	180.2	•	215.1	•
Triumph 1536CbRR	206.8	•	241.8	•	191.5	•	210.1	•
Grand Mean	215.7	212.6	240.3	225.6	195.0	196.7	204.4	198.4

**Yields in Bold indicate hybrid yield was equal to or greater than the trial average.

Table 2B. Two and Three Year Average Corn Yields in Arkansas Performance Trials, 2003-2006

Brand/Hybrid <u>Mid-Full Season Hybrids</u>	Keiser		Marianna		Bell Farm		Rohwer	
	2-Year Avg.	3-Year Avg.	2-Year Avg.	3-Year Avg.	2-Year Avg.	3-Year Avg.	2-Year Avg.	3-Year Avg.
Belle 1525R	204.9	199.5	216.0	206.5	181.9	•	191.6	178.6
Croplan 818RR/Bt	217.5	225.3	241.4	222.9	185.0	180.3	216.9	211.4
DEKALB DKC69-71	249.9	247.4	237.2	227.4	167.6	182.7	179.7	181.8
FFR 843RRBt	246.0	•	234.0	•	178.9	•	190.7	•
Golden Acres 2841RRB	220.0	217.5	249.3	227.8	183.4	•	217.9	208.3
Pioneer 31N28	237.8	230.1	243.1	•	194.5	•	202.3	203.5
Grand Mean	229.4	224.0	236.8	221.2	181.9	181.5	199.9	196.7

**Yields in Bold indicate hybrid yield was equal to or greater than the trial average

Table 3A. Characteristics of Corn Hybrids in Arkansas Performance Trials, 2006.

Brand/Hybrid	Root Lodging	Stalk Lodging	Ear Height	Ear Tip Cover¹	Test Weight
Early- to Mid-Season Hybrids	%	%	Inches	1-3 scale	Lb/bu
Belle 1533Y	0.1	0.1	41	2.0	59.0
Belle 1545RY	0.1	0.2	38	1.0	59.4
Croplan 631RR/Bt	0.6	0.1	37	2.0	59.2
Croplan 851RR/Bt	0.6	0.1	44	1.0	57.9
DEKALB DKC61-22	0.3	0.1	43	2.0	56.8
DEKALB DKC61-45	0.0	0.2	39	3.0	59.4
DEKALB DKC63-46	0.1	0.0	39	2.0	58.7
DEKALB DKC64-27	0.0	0.1	39	2.0	59.5
DEKALB DKC64-81	0.3	0.1	41	2.0	58.4
DEKALB DKC66-23	0.2	0.0	39	2.0	58.5
Dyna-Gro 5528Bt	0.3	0.1	43	2.0	56.5
Dyna-Gro 57B90	0.1	0.0	41	2.0	59.7
Dyna-Gro 57F87	0.2	0.1	39	1.0	59.3
Dyna-Gro 57K14	0.4	0.1	39	1.0	58.0
Dyna-Gro 57K33	0.2	0.1	43	1.0	59.2
Dyna-Gro 57K58	0.2	0.2	43	1.0	59.0
Dyna-Gro 57N96	0.2	0.1	38	2.0	60.4
Dyna-Gro 57P12	0.1	0.0	41	2.0	60.4
Dyna-Gro 57P46	0.3	0.1	40	1.0	58.8
Dyna-Gro 57P69	0.3	0.1	40	2.0	56.0
Dyna-Gro 58P59	0.5	0.1	43	1.0	57.0
FB 814CB	0.1	0.0	43	1.0	58.0
FB 904RRCBYG	0.2	0.1	41	1.0	56.4
FB 905RRCB	0.1	0.1	41	1.0	59.5
FFR 736Bt	0.1	0.2	41	1.0	59.0
FFR 756RRBt	0.1	0.6	44	2.0	57.4
FFR 835Bt	0.1	0.3	41	2.0	58.8
Garst 8225YG1/RR	0.2	0.0	41	1.0	58.3
Garst 8248RR	0.4	0.0	46	2.0	56.5
Garst 8380IT	0.0	0.1	46	3.0	57.3
Garst 8450IT	0.1	0.0	39	1.0	59.6
Golden Acres 2831RRB	0.3	0.2	43	1.0	57.9
Golden Harvest H-9006Bt/RR	0.4	0.4	38	2.0	60.3
Laser L-8H21RR	0.1	0.2	40	2.0	59.9
Laser L-9H63Bt/RR	0.6	0.1	43	2.0	58.3
Laser L-9H93Bt/RR	0.3	0.1	41	1.0	--
Mycogen 2H789	0.0	0.0	44	2.0	55.6
Mycogen 2M797	0.1	0.0	43	3.0	58.5
Mycogen 2T780	0.3	0.0	42	2.0	58.5
NK Brand N65-C5	0.3	0.1	37	2.0	58.5
NK Brand N68-B8	0.1	0.1	35	1.0	--
NK Brand N70-T9	0.1	0.1	35	2.0	59.0
NK Brand N76-D3	0.1	0.1	38	2.0	57.9
Pioneer 33M53	0.1	0.0	41	2.0	58.7
Pioneer 33N56	0.1	0.0	43	2.0	57.5
Pioneer 34A16	0.1	0.0	38	2.0	58.0
Terral TV23R31	0.7	0.1	43	1.0	57.5
Terral TV25BR23	0.5	0.1	37	1.0	58.8

Brand/Hybrid	Root Lodging	Stalk Lodging	Ear Height	Ear Tip Cover	Test Weight
Early- to Mid-Season Hybrids	%	%	Inches	1-3 scale	Lb/bu
Terral TV25R31	0.6	0.0	43	2.0	59.2
Terral TV26B34	0.1	0.1	39	1.0	58.6
Terral TV26B82	1.3	0.1	43	2.0	58.0
Terral TV26BR41	0.1	0.0	42	1.0	57.8
Terral TV26BR61	1.4	0.1	43	1.0	56.9
Terral TV27C48	0.4	0.1	44	2.0	57.2
Terral TVX24BR601	0.1	0.1	48	1.0	60.1
Terral TVX25BR601	0.2	0.0	48	1.0	58.4
Terral TVX25BR602	0.2	0.1	45	2.0	57.9
Terral TVX25BR603	0.1	0.0	40	1.0	58.2
Terral TVX25BR604	0.6	0.1	40	1.0	59.6
Terral TVX25BR605	0.1	0.6	44	2.0	59.5
Terral TVX25R501	0.0	0.1	42	2.0	58.6
Terral TVX26BR601	0.2	0.3	40	2.0	58.1
Triumph 1536CbRR	0.1	0.1	40	2.0	59.5

Ear Tip Cover Rating Scale: 1 = Good, 2 = Average, 3 = Poor

Brand/Hybrid	Root Lodging	Stalk Lodging	Ear Height	Ear Tip Cover¹	Test Weight
Mid- to Full-Season Hybrids	%	%	Inches	1-3 scale	Lb/bu
Belle 1525R	0.2	0.1	47	1.0	60.1
Belle 1747RY	0.1	0.1	46	2.0	58.5
Croplan 799RR/Bt	0.0	0.0	42	1.0	60.3
Croplan 818RR/Bt	0.4	0.1	44	2.0	58.5
DEKALB DKC67-23	0.1	0.0	44	2.0	58.8
DEKALB DKC69-71	0.2	0.4	45	2.0	59.7
Dyna-Gro 58K02	0.3	0.0	46	2.0	60.2
Dyna-Gro 58K40	0.9	0.0	46	2.0	60.4
Dyna-Gro 58P45	0.2	0.2	45	1.0	60.8
Dyna-Gro 58P60	0.4	0.4	44	2.0	59.8
FB 927RRCB	0.1	0.2	45	2.0	60.2
FFR 843RRBt	0.3	0.1	42	3.0	60.3
Golden Acres 2841RRB	0.2	0.2	44	1.0	61.0
Golden Acres 2993RRB	0.6	0.3	48	2.0	59.7
Pioneer 31D58	0.4	0.0	44	1.0	60.4
Pioneer 31G96	0.2	0.1	47	1.0	58.6
Pioneer 31N28	0.2	0.1	40	2.0	59.7
Pioneer 31P41	0.1	0.0	42	1.0	60.0
Pioneer 32B29	0.6	0.1	49	3.0	60.3

Ear Tip Cover Rating Scale: 1 = Good, 2 = Average, 3 = Poor