

Corn

2006 Missouri Crop Performance



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Missouri 2006 Corn Performance Tests

This report is a contribution of the Division of Plant Science, University of Missouri College of Agriculture, Food and Natural Resources. The work was supported by fees provided by companies submitting hybrids for evaluation. The University of Missouri's hybrid performance testing program began in the mid-1930's, with results first published in 1937. The number of entries in the program has grown from fewer than 50 in the early years to 275 today. The large number of commercial hybrids available makes selection of a superior hybrid difficult. To select intelligently, producers need a reliable, unbiased, up-to-date source of information that will permit valid comparisons among available hybrids. The objective of the University of Missouri's Performance testing program is to provide this information. The tests are conducted under the most uniform conditions possible. Small plots are used to reduce the chance of soil and climatic variations occurring between one hybrid plot and another. Results obtained should aid the individual grower in judging the relative merits of many of the commercial corn hybrids available in Missouri today.

Comparing Hybrids

The performance of a hybrid cannot be measured with absolute precision. Uncontrolled variability is involved in the determination of each yield average. This variability exists in all field experimentation; statistics are used as a tool to assist in making decisions. The statistical tool used in these tests is the test of least significant difference (L.S.D.). The L.S.D. is simple to apply. When two entries are compared and the difference between them is greater than the L.S.D., the entries are considered to be significantly different. Differences smaller than the L.S.D. may have occurred by chance and are considered non-significant.

Hybrid performance may seem inconsistent from location to location and from year to year. The factors for these differences are rainfall, temperatures, soil fertility, diseases, insects, and other factors. To obtain an improved estimate of relative hybrid performance, readers should consider results from more than one location or year. In this publication, the authors have tried to facilitate comparisons across years and locations. In each test, the "top yielding" hybrids have been identified. These hybrids are those that did not yield significantly less than the highest yielding hybrid in the test. They are denoted in the tables by an asterisk (*) next to their yields. Thus, by going down a column, readers can readily identify the highest yielding hybrids in a test. By going across, readers can evaluate the relative performance of a hybrid during several years or at several locations. From the standpoint of yield, the most desirable hybrids will be those that are among the "top yielding" hybrids the greatest number of times.

Although yield usually receives first consideration, other agronomic characteristics may be equally important when selecting a corn hybrid. Stalk strength, maturity and resistance to insects and diseases are among the hybrid characteristics that deserve careful consideration. Later maturing hybrids may require more drying. The maturity classification listed for each hybrid in this bulletin is based solely on information supplied by the entry's sponsor. A hybrid with abnormally low or high moisture content may be incorrectly classified for Missouri conditions. Poor stalk strength and/or susceptibility to pests may decrease harvestable yield because of lodging or stand loss.

The Missouri Variety Testing Program does not make specific recommendations for hybrids. Farmers growing a new hybrid for the first time should consider all the information available and then grow a small acreage to determine adaptability. This should be the practice for all new hybrids regardless of origin.

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Experimental Procedures

Test Descriptions:

Non-Irrigated Corn Test: This test consists of 5 locations each in the north and central regions of the state and 3 locations in the southwest. Corn hybrids not approved for export to Europe for feed cannot be entered in this test, but should be entered into the New Technology Corn Test (see description below).

Irrigated Corn Test: This test will have 2 locations each in the central and southwest regions and 3 locations in the southeast region of the state. Corn hybrids not approved for export to Europe for feed cannot be entered in this test, but should be entered into the New Technology Corn Test (see description below).

New Technology Corn Test: This test will evaluate hybrids not approved for export to Europe for feed (e.g. Herculex rootworm or Herculex Xtra). Information on current approval status of biotech events is available on the National Corn Growers Association website: www.ncga.com and click "Know Before You Grow." Locations for this test include three non-irrigated locations in North and Central Missouri and 3 irrigated locations in Southeast Missouri. Entries will be compared to three high-yield standard hybrids. Grain from this test will be marketed into approved channels.

Entries: All producers of hybrid seed were eligible to enter the 2006 corn evaluation tests. Participation was voluntary and the test coordinators exercised no control over which, or how many hybrids were entered. To help finance the evaluation program, the participants paid \$100 per location for each hybrid entered.

Plot Management: All tests were planted and harvested with commercial equipment modified for small plot work. Row spacing for all corn tests was 30 inches. Seeding rate for non-irrigated corn tests was 28,600 seeds/Acre and irrigated corn tests was 34,200 seeds/Acre. Preplant fertilizer was applied at each site at the discretion of the farmer or the station manager. Herbicides were used to control weeds, and additional hand weeding was done as required. Management details varied from location to location and are specified in the regional crop management summaries.

Data Recorded: Cornstalks of non-Bt hybrids were split to survey the natural infestation of corn borer. Counts were taken on border rows of the test for a random survey. Survey results are provided in the heading of each table. Plant stands were recorded mid-season and lodging was determined immediately before harvest. Plants leaning more than 30 degrees from vertical and those bent or broken below the ear were counted as lodged. During harvest, plot grain weights were measured and an electronic moisture tester was used to determine the moisture content of the grain. Yields were calculated from the data collected and reported in bushels (56 pounds) per acre at moisture of 15.5 percent.

Accessibility of Data: The results of the 2006 Crop performance tests are also available online at <http://agebb.missouri.edu/cropperf/vartest>. If you need assistance in accessing the system; call 573-882-4827 for the staff's help.

Field Plot Design: Full season hybrids were evaluated in non-irrigated and irrigated tests. Tests were arranged in lattice or randomized complete block field plot designs depending on the number of entries in each test. At all locations, plots were four rows wide and 25 feet long with a between the row spacing of 30 inches. Only the center two rows were harvested to determine yield.

Locations: On the basis of geographical characteristics, the state was divided into regions. Corn hybrid evaluation tests were located in the northern, central, southwestern and southeastern regions of the state. Test locations are shown on the adjacent map. In 2006, the locations for these tests were:

1. Steve Cunningham Farm near Craig in Holt Co.;
2. Hundley-Whaley Farm near Albany in Gentry Co.;
3. Beetsma Farm near Mooresville in Livingston Co.;
4. Greenley Memorial Center near Novelty in Knox Co.;
5. Roger Tiemann Farm near LaGrange in Lewis Co.;
6. John Williams Farm near Henrietta in Ray Co.;
7. Frank Swisher Farm near Marshall in Saline Co.;
8. Bradford Research & Ext. Center near Columbia in Boone Co.;
9. Kevin Freyer Farm near Laddonia in Audrain Co.;
10. Roy Cope Farm near Truxton in Montgomery Co.;
11. Bob Burkemper Farm near Annada in Pike Co.;
12. Doug Roth Farm near Harrisonville in Cass Co.;
13. Ron Bean Farm near Lamar in Barton Co.;
14. Kurt Gretzinger Farm near Urich in Henry Co.;
15. Glenn Nothdurft Farm near Oran in Scott Co.;
16. Dale Glenn Farm near Charleston in Mississippi Co.;
17. Delta Research Center near Portageville in Pemiscot Co.



Results are presented by region within the state. For each location, data on seed treatment, final plant stand, lodging, moisture at harvest, and yield adjusted for moisture is given for each hybrid. Growing season (April-August) rainfall and irrigation applied at each location are shown on individual data tables. In this report, hybrids are ranked according to yield.

North Region Crop Management Summary

There are five locations in the northern region of Missouri for non-irrigated corn tests. They are located in counties where a significant number of acres of corn are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary from location to location, but tend to reflect those followed by farmers in the area.

Planting dates ranged from April 20 to May 17 with soil conditions being good at all locations. Rainfall was adequate early in the season but fell off significantly during the summer months until late July and August when several storms dropped considerable rainfall to help bring the rainfall totals back closer to normal. Temperatures were above normal all season, especially in April, when averages for all of North Missouri were 58.5 degrees or 7.6 degrees above normal. Most of the test locations had high european corn borer damage, contributing to moderate lodging throughout the tests. Yields were very good at all northern locations again this year.

Climatological information for the growing season for North Missouri (April 1 – August 31) is summarized below.

Average temperature = 69.9 degrees, 3.2 degrees above normal

Average precipitation = 19.2", 1.1" below normal

Growing degree days = 3007 days, 181 days above normal

Table 1. North Region Non-Irrigated location crop management summary.

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide		Insecticide
			N	P ₂ O ₅	K ₂ O		Pre	Post	
<i>Non-Irrigated Corn Tests</i>									
Craig	04-25	10-06	160	0	0	Conv.	Guardsman, Callisto,	Callisto	Force 3G
Albany	04-08, 05-17	10-02, 03	200	60	80	Conv.	None	Callisto, Spirit	Force 3G
Mooresville	04-27	09-22, 23	215	20	0	Conv.	Dual II Magnum, Callisto, Princep, Atrazine		Force 3G
Novelty	04-20	09-14	230	80	100	Conv.	Dual II Magnum, Callisto, Princep, Atrazine	Callisto	Force 3G
LaGrange	04-21	09-27	215	0	100	Conv.	Dual II Magnum, Callisto, Atrazine		Force 3G
<i>North/Central Region New Technology Corn Tests</i>									
Albany	05-17	10-02, 03	200	60	80	Conv.	None	Callisto, Spirit	Force 3G
Columbia	04-14	08-31	160	46	62	No-till	Dual II Magnum, Callisto, Atrazine, Roundup WeatherMax, 2,4-D	Callisto, Atrazine	Force 3G
Novelty	04-20	09-14	230	80	100	Conv.	Dual II Magnum, Callisto, Atrazine, Princep	Callisto	Force 3G

TABLE 2. **Non-Irrigated Corn Test**
North Region: Craig, MO (Holt County)

Soil Type: Blencoe Silty Clay Soil Test: pH=7.0, OM=2.5%, P=52, K=1070

European Corn Borer Rating: Damaged Plants= 56%, Tunnel Length/Plant= 6.2 in.

Rainfall: Apr.=4.0, May=3.0, June=2.9, July=5.0, Aug.=6.5 Total=21.4 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 2005 -----bu/acre-----	2005	
Mersch. M-314A-1	1, 4, 10, 12	27971	16.2	2	221.7**	188.1*	204.9
Kruger 8616HX	2, 6, 9	29437	14.5	2	216.4*	--	--
Hubner H4677CB	9, 10, 12	27495	15.9	1	216.0*	--	--
Mersch. M-512C-1	1, 4, 10, 12	28542	16.0	1	215.8*	197.0*	206.4
Renze 8386YGCB	2, 9, 12, 10	27644	15.7	4	213.7*	194.8*	204.3
NK Brand N76-D3	6	30351	13.9	3	211.3*	174.3	192.8
Renze 8526YGCB	2, 9, 12, 10	29458	15.0	4	211.1*	174.2	192.7
Kruger 0612	2, 6, 9	28608	13.6	5	211.0*	--	--
Kruger 8516HX	2, 9, 10	29953	16.1	0	210.6*	--	--
Kruger 5315BTLLA	2, 6, 9	27143	15.1	3	210.6*	--	--
MFA MORCORN XP160	10	29517	15.8	6	210.1*	--	--
Garst 8380IT	6	29111	15.0	3	209.5*	206.7**	208.1
Renze 9526 YGCB/RR	2, 9, 12, 10	29072	16.1	2	209.4*	--	--
NuTech NT-4616 YGCB	5	29237	15.8	2	208.7*	177.8	193.3
NuTech NT-4213 YGCB	5	28831	15.9	1	208.0*	188.3*	198.2
Burrus 572RWR	10, 12	27993	14.1	0	207.6*	--	--
NuTech NT-5616 RR/YGCB	5	28487	16.2	4	206.8*	--	--
Kruger 8615HX	2, 6, 9	28928	15.1	3	206.2*	--	--
DEKALB DKC61-72 (RR2)	10	30064	13.7	4	205.8*	193.1*	199.5
Kruger 5512BTLL	2, 6, 9	28503	13.7	0	205.8*	--	--
NK Brand N70-T9	6	29592	14.2	2	205.8*	178.4	192.1
Kruger 0215	2, 9, 10	28104	14.4	0	205.5*	--	--
DEKALB DKC64-27 (RR2)	10	29650	14.2	1	205.3*	--	--
Willcross 3137X3LCB	10	28993	14.4	0	205.1*	--	--
Kruger 8614HXB	2, 9, 10	30551	14.1	1	204.8*	--	--
Pioneer 34P89	2, 7, 9, 10	29331	14.1	1	204.6*	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	28617	14.9	4	204.3*	--	--
Garst 8294YG1/IT	6	28112	15.3	0	204.1*	--	--
Rainbow 3158YGCB	9	30514	15.7	5	203.6*	185.9	194.8
Pioneer 33A87	2, 9, 10	29190	14.8	3	203.2*	--	--
Lewis 7065 CB/RR	9, 10, 12	28007	16.6	1	203.1*	--	--
Pfister 3356RR-Bt	9, 10	28454	16.6	2	202.6*	--	--
Rainbow X1145YGCB	9	29966	14.3	1	201.4	--	--
Renze 9406YGCB/RR	2, 9, 12, 10	29914	14.1	0	201.2	--	--
Pioneer 33T56	2, 9, 10	27075	13.8	1	201.1	--	--
Laser L-9H93BT	3, 5	28524	16.0	3	200.9	--	--
Kruger 5416YGCB	2, 6, 9	29324	15.9	2	200.6	185.9	193.3
Lewis 5343 CB	9, 10, 12	28168	13.9	2	200.5	184.2	192.4
Renze 5467HX1/LL	2, 9, 12, 10	28755	14.6	1	200.5	--	--
Kruger 2517RR/YGCB	2, 6, 9	29055	16.0	14	200.4	--	--
LG 2640Bt	2, 8, 9, 10	28664	14.2	1	200.4	--	--
Mersch. M-612D-1	1, 4, 10, 12	30172	14.5	1	199.5	185.1	192.3
Kruger 0615	2, 6, 9	28978	14.6	2	199.5	170.9	185.2
NuTech NT-8913 YGPL	10	28554	14.1	4	199.4	--	--
BioGene BG82N07	1, 4, 10	27874	14.0	1	199.1	--	--

TABLE 2. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	2 Yr. Mean
				-----bu/acre-----			
NuTech NT-2114 HX	9, 10	27244	14.2	11	198.9	--	--
NC+ 4973RB	6	29329	14.1	0	198.3	--	--
AgriGold A6594Bt	10	27101	15.9	2	198.3	--	--
Kruger 5517YGCB	2, 6, 9	27524	15.8	6	198.2	174.5	186.4
MFA MORCORN MC4072 CB	5	29328	13.9	0	197.8	--	--
Kruger 0515	2, 9, 10	30120	15.3	4	197.6	--	--
Kruger 9313RR/YGCB	2, 6, 9	29505	13.9	2	197.4	--	--
ASGROW RX715RR2/YGCB	10	28893	14.8	8	197.4	--	--
LG 2615	2, 9, 10	29181	14.1	1	197.4	--	--
Mersch. M-509A-1	1, 4, 10, 12	29557	13.9	2	197.4	--	--
Willcross 3096YGPL	10	28951	13.8	2	197.3	--	--
NK Brand N68-B8	6	29871	13.4	1	196.8	--	--
Dyna-Gro 57F37	10	28115	16.1	3	196.8	183.0	189.9
AgriGold A6633Bt	8, 9, 10	28022	13.9	4	196.3	--	--
BioGene BG1128	1, 4, 10	30095	13.8	0	196.1	--	--
Golden Harvest H-9190Hx	3, 5	28038	14.6	11	195.4	--	--
Midland MG 617BT	10	28176	16.1	0	195.4	--	--
Kruger 8213HX	2, 9, 10	28962	13.5	2	195.1	--	--
Kruger 2410RR/YGCB	2, 6, 9	29315	13.4	2	194.9	--	--
Mersch. M-613B-1	1, 4, 10, 12	28517	16.7	4	194.7	--	--
Pfister 2730RR-Bt	9, 10	29606	14.2	2	194.6	--	--
MFA MORCORN MC4474 CB	5	29397	13.9	7	194.6	194.7*	194.7
Mycogen 2T780	6	29165	14.0	6	194.4	--	--
Kruger 5514YGCB	2, 6, 9	30042	13.7	4	194.4	176.2	185.3
NK Brand N72-G8	6	28536	13.6	0	194.3	--	--
Dyna-Gro 57P01	10	27701	13.8	1	193.8	--	--
Willcross 3116RRCB	10	28144	14.2	1	193.7	--	--
Kruger 5315BTLLB	2, 6, 9	30003	14.5	0	193.6	--	--
Kruger 0610	2, 9, 10	29736	13.7	2	193.3	--	--
Rainbow 3105YGCB	9	25845	14.3	8	193.0	200.6*	196.8
Hubner H5808PL	9, 10, 12	28775	16.2	9	192.8	--	--
Garst 8535YG1/IT	6	29793	13.8	1	192.7	183.1	187.9
Kruger 8512HX	2, 9, 10	29092	16.0	7	191.8	--	--
Burrus 794S	1, 4, 10, 12	29249	16.2	8	191.7	--	--
Burrus 492S	1, 4, 10, 12	27983	13.5	2	191.6	--	--
Mersch. M-711E-1	1, 4, 10, 12	29180	13.7	2	191.5	--	--
Dyna-Gro CX06114	10	28656	14.1	3	191.0	--	--
Rainbow X1135YGCB	9	28876	13.8	5	190.7	--	--
Midland MG 436BT	10	26851	14.0	3	190.2	--	--
Garst 8452CB/LL	6	28494	13.8	1	190.0	--	--
Pioneer 33K40	2, 9, 10	27894	14.5	6	189.9	--	--
NuTech NT-1915 CB/LL	10	29270	14.5	5	189.7	--	--
Kruger 2414RR/YGCB	2, 6, 9	29630	14.0	4	189.4	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	27572	14.3	1	189.4	--	--
Kruger 5613YGCB	2, 9, 10	29486	13.6	1	189.3	--	--
NuTech NT-4014 YGCB	10	28317	13.7	1	188.8	179.1	184.0
Laser L-8H21RR	3, 5	27711	13.8	2	188.1	--	--
Lewis 4886 PL	9, 10, 12	28860	13.9	2	187.3	--	--
LG 2625Bt	2, 8, 9, 10	27823	13.9	14	187.2	191.9*	189.6
Lewis 7044 CB	9, 10, 12	29088	16.3	10	187.0	199.6*	193.3
NuTech NT-2613 HX	9, 10	25238	16.5	1	186.4	--	--
Kruger 5617YGCB	2, 9, 10	29739	15.5	15	186.1	--	--
Midland MG 7A28BT/RR	10	29156	14.1	6	186.0	--	--
Kruger 5313YGCB	2, 6, 9	28867	13.9	1	185.9	188.9*	187.4

TABLE 2. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
ASGROW RX754RR2	10	29479	14.1	0	185.9	--	--
Kruger 0313	2, 9, 10	30005	14.1	2	185.0	--	--
Kruger 5310YGCB	2, 6, 9	28833	13.7	14	184.9	--	--
Stone HC 7R667	9	29166	13.6	2	184.9	--	--
Willcross 3103RRCB	10	28209	13.8	5	184.3	--	--
BioGene RR/CB1163	1, 4, 10	26673	16.1	2	183.7	--	--
MFA MORCORN XP164C	10	28461	13.5	5	183.3	--	--
Pioneer 32B81	2, 9, 10	29732	15.1	3	183.1	--	--
AgriGold A6585Bt	8, 9, 10	29312	13.8	3	181.5	--	--
Wyffels W7389	2, 7, 9, 10	28383	14.8	6	181.5	--	--
Taylor 830Bt	10	28985	13.8	7	181.4	--	--
Kruger 9111YGCB	2, 6, 9	29586	13.4	1	181.3	134.2	157.8
Laser L-9H63BT	3, 5	28537	14.2	12	180.6	--	--
Fontanelle 8R403	9, 10	28267	14.2	1	180.5	--	--
Pioneer 33D13	2, 9, 10	27309	14.1	3	180.1	--	--
Willcross 3127X4CB	10	26814	14.3	6	179.8	--	--
Fontanelle 7931	9, 10	29232	13.6	14	179.0	193.7*	186.4
NC+ 4947RB	6	29663	13.8	21	177.7	--	--
Rainbow 3120YGCB	9	26629	13.6	10	177.4	177.3	177.4
Kruger 8414HX	2, 6, 9	29209	13.7	10	177.2	--	--
Midland MG 7A53BT	10	29461	13.8	9	176.9	179.9	178.4
Kruger 0413	2, 9, 10	28095	13.6	4	174.6	--	--
Mycogen 2P722	6	29196	13.5	4	172.6	--	--
DEKALB DKC63-81 (RR2/YGCB)	10	28835	14.7	3	171.7	--	--
Kruger 9212RR/YGCB	2, 6, 9	27529	13.5	21	171.0	--	--
Dyna-Gro 57P28	10	28534	13.9	2	170.5	--	--
Mycogen 2C727	6	28910	13.3	14	170.4	--	--
NuTech NX-5516 RR/YGCB	10	29742	16.6	6	170.1	--	--
NuTech NX-5416 RR/YGCB	10	28339	14.1	5	168.1	--	--
NK Brand N65-C5	6	29184	13.6	6	166.5	190.3*	178.4
Kruger 9115RR/YGCB	2, 6, 9	27885	14.4	11	165.2	--	--
Golden Harvest H-9006Bt	3, 5	26389	13.7	35	162.6	185.3	174.0
Lewis 5567 CB/RR	9, 10	28014	13.8	14	161.1	--	--
TEST AVERAGE		28733	14.5	4	193.4	181.4	187.4
L.S.D. AT .10		2234	0.6	9	20.1	20.3	
C.V. %		6.0	3.1		7.4	7.8	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 3. **Non-Irrigated Corn Test**

North Region: Albany, MO (Gentry County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.1, OM=2.5%, P=70, K=274

European Corn Borer Rating: Damaged Plants= 32%, Tunnel Length/Plant= 0.9 in.

Rainfall: Apr.=4.4, May=1.1, June=3.8, July=1.9, Aug.=9.3 Total=20.5 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Dyna-Gro 57F37	10	28567	20.4	0	187.6**	194.0*	190.8
DEKALB DKC63-46 (RR2/YGCB)	10	29127	23.0	0	185.4*	--	--
Kruger 8516HX	2, 9, 10	27073	21.7	0	184.8*	--	--
Renze 8526YGCB	2, 9, 12, 10	26886	22.5	0	182.3*	179.2	180.8
LG 2625Bt	2, 8, 9, 10	27820	21.7	0	180.0*	204.3*	192.2
Kruger 8213HX	2, 9, 10	28567	20.6	0	179.5*	--	--
Kruger 9313RR/YGCB	2, 6, 9	28194	20.9	0	179.2*	--	--
Renze 8386YGCB	2, 9, 12, 10	28193	20.0	0	179.2*	198.2*	188.7
Garst 8294YG1/IT	6	27073	23.0	0	178.9*	--	--
Midland MG 617BT	10	26326	19.8	0	178.6*	--	--
Kruger 8512HX	2, 9, 10	27820	21.2	0	177.9*	--	--
Golden Harvest H-9190Hx	3, 5	28567	20.1	0	176.2*	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	29687	18.2	0	175.7*	--	--
Mersch. M-613B-1	1, 4, 10, 12	30434	22.8	0	175.0*	--	--
Laser L-9H93BT	3, 5	27633	22.0	2	175.0*	--	--
NuTech NT-4213 YGCB	5	29314	19.1	3	173.6*	200.0*	186.8
AgriGold A6594Bt	10	28380	18.8	0	173.2*	--	--
Mycogen 2T780	6	28940	20.5	0	173.2*	--	--
Kruger 8615HX	2, 6, 9	27447	20.4	0	172.6*	--	--
MFA MORCORN XP160	10	29314	21.5	2	172.2*	--	--
NuTech NT-8913 YGPL	10	26513	20.1	0	171.2*	--	--
Kruger 5517YGCB	2, 6, 9	27820	21.0	4	170.7*	191.3*	181.0
Kruger 0612	2, 6, 9	28194	18.0	0	170.5*	--	--
LG 2640Bt	2, 8, 9, 10	26327	19.8	0	168.9*	--	--
NK Brand N76-D3	6	28380	20.2	0	168.9*	184.1	176.5
DEKALB DKC61-72 (RR2)	10	28940	19.4	1	168.6*	183.6	176.1
NC+ 4973RB	6	27820	20.4	0	168.6*	--	--
Midland MG 436BT	10	26700	18.6	0	167.6*	--	--
Rainbow X1135YGCB	9	28567	18.6	0	167.4*	--	--
Hubner H5808PL	9, 10, 12	26700	22.0	0	166.8*	--	--
Mersch. M-612D-1	1, 4, 10, 12	27447	20.2	0	166.3*	190.4	178.4
AgriGold A6633Bt	8, 9, 10	28754	21.8	0	165.8*	--	--
Kruger 5512BTLL	2, 6, 9	27820	21.8	0	165.8*	--	--
Lewis 7065 CB/RR	9, 10, 12	27260	22.3	2	164.6*	--	--
Hubner H4677CB	9, 10, 12	26887	20.9	0	163.8*	--	--
Dyna-Gro CX06114	10	26886	20.5	0	163.8*	--	--
Pfister 2730RR-Bt	9, 10	26887	21.1	2	163.6*	--	--
NK Brand N65-C5	6	30061	18.8	0	163.6*	183.4	173.5
Kruger 5310YGCB	2, 6, 9	25766	20.3	0	163.6*	--	--
NuTech NX-5516 RR/YGCB	10	27260	21.9	6	163.0*	--	--
DEKALB DKC64-27 (RR2)	10	30061	20.4	3	162.8*	--	--
Pioneer 33A87	2, 9, 10	28194	22.4	0	162.2*	--	--
MFA MORCORN MC4072 CB	5	29687	21.2	0	161.9*	--	--
Lewis 7044 CB	9, 10, 12	28380	21.7	0	161.6*	201.3*	181.5
Mersch. M-512C-1	1, 4, 10, 12	28940	20.9	2	160.6*	195.7*	178.2

TABLE 3. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 2005	-----bu/acre-----	
Renze 9406YGCB/RR	2, 9, 12, 10	29314	21.1	0	160.3*	--	--
Renze 9526 YGCB/RR	2, 9, 12, 10	28380	21.8	2	160.2*	--	--
MFA MORCORN MC4474 CB	5	27633	21.6	0	160.0*	181.4	170.7
NuTech NT-1915 CB/LL	10	25393	20.2	0	159.9*	--	--
Kruger 5416YGCB	2, 6, 9	27073	21.9	2	159.8*	191.4*	175.6
Stone HC 7R667	9	29687	18.2	0	158.4*	--	--
Kruger 8616HX	2, 6, 9	29314	21.2	0	158.2*	--	--
Kruger 0615	2, 6, 9	28567	18.9	3	158.1*	166.6	162.4
Kruger 5313YGCB	2, 6, 9	29500	18.8	0	158.0*	184.6	171.3
Rainbow 3105YGCB	9	29501	20.1	0	157.4*	198.9*	178.2
Pioneer 33T56	2, 9, 10	27260	19.2	0	157.3*	--	--
NuTech NT-2114 HX	9, 10	29314	20.0	0	157.0	--	--
Wyffels W7389	2, 7, 9, 10	25953	20.4	0	156.8	--	--
NC+ 4947RB	6	26326	19.8	0	156.8	--	--
Taylor 830Bt	10	28380	18.2	0	156.6	--	--
Kruger 0515	2, 9, 10	28940	20.1	0	156.4	--	--
Kruger 5315BTLLB	2, 6, 9	29501	21.2	0	156.2	--	--
Pfister 3356RR-Bt	9, 10	31368	24.0	0	156.1	--	--
ASGROW RX754RR2	10	29127	19.0	2	155.9	--	--
Garst 8535YG1/IT	6	28754	19.5	0	155.7	186.7	171.2
Lewis 4886 PL	9, 10, 12	29314	19.7	0	155.6	--	--
Lewis 5567 CB/RR	9, 10	28380	18.9	0	155.5	--	--
Fontanelle 7931	9, 10	29314	21.7	0	154.8	195.0*	174.9
Willcross 3137X3LCB	10	23712	19.0	0	154.4	--	--
Kruger 5315BTLLA	2, 6, 9	30621	22.8	0	154.2	--	--
NuTech NT-4616 YGCB	5	27820	21.4	0	154.1	188.4	171.3
DEKALB DKC63-81 (RR2/YGCB)	10	28007	23.2	0	154.0	--	--
Garst 8452CB/LL	6	26326	19.4	0	153.4	--	--
NK Brand N70-T9	6	30434	20.2	0	153.0	200.4*	176.7
Lewis 5343 CB	9, 10, 12	29687	21.1	0	152.3	197.6*	175.0
Mycogen 2C727	6	28194	19.6	0	152.2	--	--
Kruger 2517RR/YGCB	2, 6, 9	29314	22.0	0	151.4	--	--
Pioneer 33K40	2, 9, 10	28194	21.3	0	151.4	--	--
Burrus 572RWR	10, 12	28567	20.4	0	150.4	--	--
Garst 8380IT	6	29500	20.8	0	150.4	192.2*	171.3
Kruger 9111YGCB	2, 6, 9	27260	17.4	0	150.1	159.9	155.0
NK Brand N68-B8	6	27820	18.2	0	150.0	--	--
Willcross 3127X4CB	10	28007	19.8	2	149.2	--	--
Dyna-Gro 57P28	10	28194	18.5	0	149.2	--	--
Golden Harvest H-9006Bt	3, 5	29687	19.0	0	149.2	202.3*	175.8
BioGene RR/CB1163	1, 4, 10	25766	22.2	0	148.7	--	--
Kruger 2410RR/YGCB	2, 6, 9	28193	16.9	0	147.8	--	--
Rainbow 3120YGCB	9	25766	18.8	0	147.8	183.6	165.7
Kruger 8414HX	2, 6, 9	28940	20.1	0	147.6	--	--
Burrus 492S	1, 4, 10, 12	26513	19.8	0	147.4	--	--
Mersch. M-314A-1	1, 4, 10, 12	27633	21.8	0	147.4	190.1	168.8
Kruger 0215	2, 9, 10	28567	20.0	2	146.9	--	--
Kruger 5514YGCB	2, 6, 9	27820	21.4	0	146.7	199.3*	173.0
Willcross 3096YGPL	10	30807	17.9	0	146.7	--	--
Rainbow X1145YGCB	9	29687	20.8	0	146.6	--	--
Pioneer 32B81	2, 9, 10	29127	20.2	2	146.5	--	--
BioGene BG82N07	1, 4, 10	25766	18.0	0	146.0	--	--
Kruger 9212RR/YGCB	2, 6, 9	29127	17.8	0	145.9	--	--
Renze 5467HX1/LL	2, 9, 12, 10	29127	21.2	0	145.0	--	--

TABLE 3. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
Mersch. M-711E-1	1, 4, 10, 12	27260	18.6	0	144.0	--	--
NK Brand N72-G8	6	25766	19.2	1	142.6	--	--
Kruger 8614HXB	2, 9, 10	28380	21.2	0	142.6	--	--
Kruger 2414RR/YGCB	2, 6, 9	30247	21.0	1	142.3	--	--
Rainbow 3158YGCB	9	28940	19.7	0	142.2	196.0*	169.1
Laser L-9H63BT	3, 5	27260	22.4	0	142.2	--	--
Burrus 794S	1, 4, 10, 12	28380	22.4	0	140.0	--	--
Kruger 0610	2, 9, 10	26140	16.9	0	140.0	--	--
LG 2615	2, 9, 10	27820	21.1	0	139.7	--	--
Mycogen 2P722	6	28194	19.2	0	139.4	--	--
NuTech NX-5416 RR/YGCB	10	29500	22.6	0	139.2	--	--
Kruger 5613YGCB	2, 9, 10	24646	19.0	0	139.2	--	--
Willcross 3103RRCB	10	30247	18.9	0	138.2	--	--
Midland MG 7A53BT	10	26513	18.6	3	137.2	180.1	158.7
ASGROW RX715RR2/YGCB	10	28380	21.2	0	136.5	--	--
Laser L-8H21RR	3, 5	27820	19.2	0	135.4	--	--
Midland MG 7A28BT/RR	10	26700	22.0	0	134.9	--	--
NuTech NT-4014 YGCB	10	28380	21.2	0	133.4	196.4*	164.9
MFA MORCORN XP164C	10	28380	17.8	0	132.3	--	--
Pioneer 33D13	2, 9, 10	27633	20.0	0	131.0	--	--
NuTech NT-2613 HX	9, 10	26886	22.0	0	130.8	--	--
Kruger 9115RR/YGCB	2, 6, 9	27260	20.5	0	130.0	--	--
Kruger 0313	2, 9, 10	28194	20.5	0	129.4	--	--
BioGene BG1128	1, 4, 10	25953	19.1	0	129.4	--	--
Kruger 0413	2, 9, 10	26887	21.0	0	129.3	--	--
NuTech NT-5616 RR/YGCB	5	27820	22.0	0	126.0	--	--
Willcross 3116RRCB	10	23339	19.8	0	125.6	--	--
Kruger 5617YGCB	2, 9, 10	29500	22.0	6	122.6	--	--
Fontanelle 8R403	9, 10	26887	15.8	0	122.2	--	--
Dyna-Gro 57P01	10	28007	21.8	0	121.2	--	--
AgriGold A6585Bt	8, 9, 10	27446	22.3	0	119.1	--	--
Pioneer 34P89	2, 7, 9, 10	24086	19.6	0	119.0	--	--
Mersch. M-509A-1	1, 4, 10, 12	27447	20.8	0	113.0	--	--
TEST AVERAGE		28018	20.4	0	154.2	186.9	170.6
L.S.D. AT .10		3265	2.1	NS	30.5	15.0	
C.V. %		7.0	6.3		11.9	5.6	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 4. Non-Irrigated Corn Test

North Region: Mooresville, MO (Livingston County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.4, OM=3.5%, P=46, K=332

European Corn Borer Rating: Damaged Plants= 56%, Tunnel Length/Plant= 3.25 in.

Rainfall: Apr.=3.4, May=1.9, June=2.0, July=3.7, Aug.=5.9 Total=16.9 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Pioneer 33K40	2, 9, 10	29983	20.1	4	207.5**	--	--
NuTech NT-4616 YGCB	5	29340	21.4	1	204.6*	128.0	166.3
Garst 8294YG1/IT	6	28880	22.9	0	203.5*	--	--
Pfister 3356RR-Bt	9, 10	27736	21.7	1	202.2*	--	--
Renze 8386YGCB	2, 9, 12, 10	29886	19.8	1	202.1*	132.3	167.2
Lewis 7044 CB	9, 10, 12	28151	20.2	1	202.0*	143.4	172.7
DEKALB DKC64-27 (RR2)	10	29040	20.3	1	201.4*	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	30253	20.5	0	201.3*	--	--
Kruger 5512BTLL	2, 6, 9	28897	20.9	0	198.9*	--	--
Kruger 5315BTLLA	2, 6, 9	29987	21.7	0	198.6*	--	--
Pioneer 33A87	2, 9, 10	30309	21.8	0	198.6*	--	--
ASGROW RX754RR2	10	30555	19.0	0	197.7*	--	--
Kruger 5517YGCB	2, 6, 9	29651	21.8	1	197.1*	125.0	161.1
Midland MG 7A28BT/RR	10	28846	19.4	2	197.0*	--	--
DEKALB DKC61-72 (RR2)	10	28886	18.5	1	196.6*	123.5	160.1
DEKALB DKC63-81 (RR2/YGCB)	10	30008	19.8	0	194.4*	--	--
Midland MG 436BT	10	28750	19.1	1	194.0*	--	--
MFA MORCORN XP164C	10	29644	18.1	1	193.3*	--	--
Kruger 5416YGCB	2, 6, 9	29517	20.0	0	192.5*	129.5	161.0
Burrus 572RWR	10, 12	29750	19.1	1	192.5*	--	--
NuTech NT-5616 RR/YGCB	5	28518	21.8	0	192.3*	--	--
MFA MORCORN XP160	10	30482	20.9	1	191.2*	--	--
AgriGold A6594Bt	10	29875	19.9	0	190.6	--	--
Kruger 9313RR/YGCB	2, 6, 9	30107	18.9	1	189.9	--	--
Midland MG 617BT	10	28678	20.3	1	189.1	--	--
Renze 9526 YGCB/RR	2, 9, 12, 10	29899	21.0	2	188.7	--	--
NK Brand N76-D3	6	30346	20.1	0	188.4	146.9	167.7
NuTech NX-5516 RR/YGCB	10	29446	21.9	0	188.4	--	--
Dyna-Gro 57F37	10	28720	20.3	0	188.2	135.3	161.8
Mersch. M-512C-1	1, 4, 10, 12	29041	21.1	0	188.1	136.4	162.3
Renze 9406YGCB/RR	2, 9, 12, 10	30456	19.6	0	187.9	--	--
Mersch. M-314A-1	1, 4, 10, 12	27850	22.1	1	187.4	127.8	157.6
NuTech NT-4213 YGCB	5	30580	20.1	1	186.9	130.0	158.5
Kruger 0215	2, 9, 10	29850	19.8	0	186.8	--	--
Mersch. M-509A-1	1, 4, 10, 12	30224	19.9	0	186.7	--	--
Lewis 5343 CB	9, 10, 12	30254	19.6	0	186.5	134.1	160.3
Laser L-9H63BT	3, 5	28428	20.6	2	186.4	--	--
Garst 8380IT	6	29278	19.8	2	186.0	138.0	162.0
MFA MORCORN MC4474 CB	5	28899	21.3	1	185.9	151.1*	168.5
Lewis 7065 CB/RR	9, 10, 12	30367	22.1	1	185.6	--	--
Kruger 5315BTLLB	2, 6, 9	28754	19.3	0	185.4	--	--
Kruger 0313	2, 9, 10	30011	19.2	2	185.3	--	--
Hubner H5808PL	9, 10, 12	29767	21.6	1	185.2	--	--
Rainbow X1145YGCB	9	30254	19.8	0	185.2	--	--
Golden Harvest H-9190Hx	3, 5	30238	20.3	3	184.9	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant	Moisture	Lodging	2006	2005	
		Population (no./acre)	(%)	(%)	-----bu/acre-----		
Kruger 5313YGCB	2, 6, 9	29763	18.7	0	184.5	131.9	158.2
NuTech NX-5416 RR/YGCB	10	28797	20.8	1	184.1	--	--
Lewis 5567 CB/RR	9, 10	28497	18.5	0	183.7	--	--
Mycogen 2T780	6	27744	20.4	2	183.7	--	--
Laser L-9H93BT	3, 5	27745	21.2	0	183.0	--	--
Rainbow X1135YGCB	9	30301	17.8	2	182.9	--	--
NuTech NT-8913 YGPL	10	29498	20.6	0	182.6	--	--
Wyffels W7389	2, 7, 9, 10	27021	18.7	1	182.5	--	--
Dyna-Gro 57P01	10	29502	19.1	0	181.9	--	--
NK Brand N68-B8	6	30117	17.6	0	181.6	--	--
Taylor 830Bt	10	29507	18.7	2	181.5	--	--
Rainbow 3158YGCB	9	30424	21.4	2	181.2	131.0	156.1
Pioneer 33D13	2, 9, 10	28993	18.8	0	180.7	--	--
Garst 8452CB/LL	6	29521	20.0	2	180.7	--	--
Kruger 8512HX	2, 9, 10	29223	20.4	4	180.6	--	--
LG 2640Bt	2, 8, 9, 10	28258	20.0	1	180.6	--	--
BioGene RR/CB1163	1, 4, 10	26293	21.3	5	180.4	--	--
Kruger 0610	2, 9, 10	28570	17.1	3	180.4	--	--
Hubner H4677CB	9, 10, 12	26961	20.7	0	180.1	--	--
Fontanelle 7931	9, 10	28243	21.0	1	179.7	135.8	157.8
Kruger 5613YGCB	2, 9, 10	27790	19.3	2	179.6	--	--
Renze 8526YGCB	2, 9, 12, 10	29169	21.6	2	179.3	138.1	158.7
Mersch. M-612D-1	1, 4, 10, 12	28615	20.3	0	179.3	130.6	155.0
NuTech NT-2114 HX	9, 10	29969	20.1	1	179.0	--	--
Willcross 3096YGPL	10	27996	18.1	0	178.8	--	--
Lewis 4886 PL	9, 10, 12	30415	17.8	2	178.4	--	--
Kruger 2410RR/YGCB	2, 6, 9	30507	17.4	0	178.4	--	--
Mersch. M-613B-1	1, 4, 10, 12	29178	21.3	1	178.3	--	--
NC+ 4947RB	6	29251	19.2	1	178.3	--	--
Fontanelle 8R403	9, 10	27919	18.9	0	178.2	--	--
NK Brand N72-G8	6	30159	18.5	0	177.6	--	--
Pioneer 33T56	2, 9, 10	29455	17.8	0	177.4	--	--
NuTech NT-1915 CB/LL	10	30028	18.7	0	177.3	--	--
Rainbow 3105YGCB	9	29118	20.1	0	176.6	134.6	155.6
Dyna-Gro CX06114	10	28512	19.4	0	176.5	--	--
LG 2615	2, 9, 10	29290	19.4	0	176.5	--	--
Pioneer 32B81	2, 9, 10	30146	20.1	0	176.1	--	--
Kruger 8615HX	2, 6, 9	30491	20.2	0	176.0	--	--
Willcross 3127X4CB	10	30491	19.8	3	175.9	--	--
Stone HC 7R667	9	30107	17.3	1	175.9	--	--
NK Brand N70-T9	6	29630	19.9	0	175.7	125.4	150.6
Kruger 5514YGCB	2, 6, 9	30273	19.1	1	175.6	131.7	153.7
NK Brand N65-C5	6	29714	17.7	1	175.4	126.4	150.9
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	29208	18.2	1	175.4	--	--
LG 2625Bt	2, 8, 9, 10	28958	20.7	0	175.4	115.4	145.4
Burrus 492S	1, 4, 10, 12	28637	17.2	0	175.3	--	--
Pfister 2730RR-Bt	9, 10	29300	19.5	0	175.2	--	--
Burrus 794S	1, 4, 10, 12	30099	21.4	0	175.1	--	--
NC+ 4973RB	6	30574	19.4	0	174.8	--	--
Mersch. M-711E-1	1, 4, 10, 12	26893	17.8	0	174.4	--	--
MFA MORCORN MC4072 CB	5	30077	18.7	0	174.1	--	--
Kruger 0615	2, 6, 9	28526	19.3	0	174.0	125.6	149.8
ASGROW RX715RR2/YGCB	10	30967	20.3	13	173.8	--	--
Willcross 3116RRCB	10	29410	19.4	0	173.8	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	2 Yr. Mean
				-----bu/acre-----			
Kruger 8516HX	2, 9, 10	29738	21.4	0	173.5	--	--
Renze 5467HX1/LL	2, 9, 12, 10	28658	19.7	1	172.3	--	--
Kruger 8213HX	2, 9, 10	29926	19.4	0	172.3	--	--
Willcross 3103RRCB	10	30093	19.3	0	172.2	--	--
Laser L-8H21RR	3, 5	28131	19.4	0	172.2	--	--
Kruger 8414HX	2, 6, 9	30110	20.3	2	172.0	--	--
Kruger 9115RR/YGCB	2, 6, 9	30457	20.9	9	171.5	--	--
Midland MG 7A53BT	10	27785	17.7	4	171.3	141.1	156.2
Rainbow 3120YGCB	9	28891	18.0	1	171.3	134.1	152.7
Kruger 0515	2, 9, 10	30400	20.3	1	170.7	--	--
BioGene BG82N07	1, 4, 10	27130	19.0	1	170.5	--	--
NuTech NT-2613 HX	9, 10	28356	21.3	0	169.3	--	--
Dyna-Gro 57P28	10	30484	19.4	0	168.6	--	--
Kruger 5617YGCB	2, 9, 10	30608	20.7	1	168.4	--	--
Kruger 8616HX	2, 6, 9	30125	20.0	0	168.3	--	--
Garst 8535YG1/IT	6	29148	18.9	0	167.5	128.1	147.8
Mycogen 2P722	6	29037	18.2	1	167.5	--	--
Kruger 9212RR/YGCB	2, 6, 9	29658	18.0	2	166.9	--	--
Golden Harvest H-9006Bt	3, 5	28923	18.3	1	166.9	139.2	153.1
Pioneer 34P89	2, 7, 9, 10	28007	18.9	1	166.7	--	--
BioGene BG1128	1, 4, 10	30003	19.7	0	164.4	--	--
Mycogen 2C727	6	30437	18.9	20	164.3	--	--
AgriGold A6633Bt	8, 9, 10	29634	20.0	0	163.8	--	--
Kruger 8614HXB	2, 9, 10	29094	19.3	3	163.0	--	--
NuTech NT-4014 YGCB	10	29001	20.0	0	162.7	141.6	152.2
Kruger 2517RR/YGCB	2, 6, 9	29659	20.0	14	161.6	--	--
Kruger 5310YGCB	2, 6, 9	29678	17.8	6	161.1	--	--
Kruger 0612	2, 6, 9	29037	18.2	3	160.7	--	--
Kruger 0413	2, 9, 10	29592	20.8	14	157.6	--	--
AgriGold A6585Bt	8, 9, 10	29145	20.1	0	157.4	--	--
Kruger 2414RR/YGCB	2, 6, 9	30218	19.3	0	157.4	--	--
Kruger 9111YGCB	2, 6, 9	28552	17.4	2	154.9	120.8	137.9
Willcross 3137X3LCB	10	28788	18.0	4	154.0	--	--
TEST AVERAGE		29339	19.7	1	180.2	129.5	154.9
L.S.D. AT .10		1489	1.2	6	16.7	13.6	
C.V. %		4.0	4.3		6.6	7.3	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 5. **Non-Irrigated Corn Test**

North Region: Novelty, MO (Knox County)

Soil Type: Putman Silt Loam Soil Test: pH=6.2, OM=2.0%, P=80, K=532

European Corn Borer Rating: Damaged Plants= 96%, Tunnel Length/Plant= 3.25 in.

Rainfall: Apr.=2.4, May=2.6, June=3.5, July=3.2, Aug.=6.8 Total=18.5 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 2005 -----bu/acre-----		
DEKALB DKC63-46 (RR2/YGCB)	10	30776	23.8	4	233.3**	--	--
Fontanelle 7931	9, 10	29083	21.3	6	230.4*	118.2	174.3
NK Brand N70-T9	6	29877	19.0	4	228.4*	106.5	167.5
Kruger 9313RR/YGCB	2, 6, 9	30991	18.7	0	228.4*	--	--
Mersch. M-314A-1	1, 4, 10, 12	29224	23.8	48	226.7*	115.1	170.9
Pioneer 33K40	2, 9, 10	28524	21.5	1	224.8*	--	--
MFA MORCORN MC4072 CB	5	29955	18.7	6	224.8*	--	--
DEKALB DKC64-27 (RR2)	10	31006	21.4	14	222.9*	--	--
Midland MG 617BT	10	28052	22.6	0	222.0*	--	--
Renze 9406YGCB/RR	2, 9, 12, 10	29760	19.2	10	220.0*	--	--
Pioneer 33A87	2, 9, 10	29997	23.0	3	219.8*	--	--
NC+ 4973RB	6	29731	20.9	16	219.2*	--	--
Midland MG 7A28BT/RR	10	26480	23.6	28	218.1*	--	--
Dyna-Gro 57F37	10	29019	21.6	13	217.2*	106.2	161.7
DEKALB DKC63-81 (RR2/YGCB)	10	27659	20.3	1	216.9*	--	--
Garst 8294YG1/IT	6	29880	23.8	10	216.2*	--	--
Rainbow X1145YGCB	9	29811	20.4	0	215.4*	--	--
NC+ 4947RB	6	29222	19.9	22	214.4*	--	--
Willcross 3103RRCB	10	29876	18.7	7	214.0*	--	--
Kruger 5416YGCB	2, 6, 9	31683	22.0	13	213.9*	114.8	164.4
Willcross 3116RRCB	10	28938	19.8	4	213.3*	--	--
Kruger 5514YGCB	2, 6, 9	30439	18.5	15	212.2*	111.5	161.9
Burrus 492S	1, 4, 10, 12	27452	18.1	0	210.6*	--	--
Lewis 5343 CB	9, 10, 12	29472	18.5	1	210.6*	134.0*	172.3
AgriGold A6594Bt	10	29097	19.9	9	209.6*	--	--
Burrus 572RWR	10, 12	30043	18.7	3	209.5*	--	--
Wyffels W7389	2, 7, 9, 10	29362	18.6	4	208.9*	--	--
Mersch. M-612D-1	1, 4, 10, 12	29977	19.6	2	208.9*	123.3	166.1
Fontanelle 8R403	9, 10	29282	19.2	13	208.6*	--	--
Kruger 5512BTLL	2, 6, 9	29492	21.2	4	207.9*	--	--
Dyna-Gro 57P28	10	29721	18.7	8	207.6*	--	--
Kruger 5617YGCB	2, 9, 10	30650	23.3	16	207.2*	--	--
Dyna-Gro 57P01	10	28870	19.2	2	207.2*	--	--
Mersch. M-613B-1	1, 4, 10, 12	29700	23.6	4	206.4*	--	--
NK Brand N76-D3	6	29472	20.1	8	206.0*	120.7	163.4
NuTech NT-1915 CB/LL	10	29181	23.1	19	205.6*	--	--
MFA MORCORN MC4474 CB	5	30685	21.5	31	205.3*	99.3	152.3
ASGROW RX754RR2	10	30134	18.6	0	204.8*	--	--
Kruger 8213HX	2, 9, 10	29965	20.5	0	204.3*	--	--
Pioneer 33T56	2, 9, 10	29510	18.5	15	204.2*	--	--
Kruger 8616HX	2, 6, 9	29706	21.5	3	204.0*	--	--
Renze 5467HX1/LL	2, 9, 12, 10	28850	20.2	11	203.5	--	--
Mersch. M-509A-1	1, 4, 10, 12	29879	21.4	4	203.2	--	--
LG 2640Bt	2, 8, 9, 10	29237	20.3	2	202.8	--	--
Pioneer 34P89	2, 7, 9, 10	28552	18.9	3	202.7	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 2005	bu/acre	
Pfister 2730RR-Bt	9, 10	28695	20.7	0	202.4	--	--
DEKALB DKC61-72 (RR2)	10	30264	17.9	4	202.3	142.3*	172.3
Lewis 5567 CB/RR	9, 10	26987	18.5	21	202.3	--	--
NK Brand N68-B8	6	29252	18.6	0	202.0	--	--
Renze 8386YGCB	2, 9, 12, 10	29994	21.1	25	201.9	111.9	156.9
NuTech NX-5416 RR/YGCB	10	29409	20.7	36	201.7	--	--
ASGROW RX715RR2/YGCB	10	30091	19.1	9	201.3	--	--
Renze 8526YGCB	2, 9, 12, 10	29559	22.0	51	201.0	111.7	156.4
Midland MG 436BT	10	28497	18.9	23	200.6	--	--
AgriGold A6585Bt	8, 9, 10	29208	20.5	1	200.0	--	--
NuTech NT-2613 HX	9, 10	28876	21.2	0	199.7	--	--
Mersch. M-512C-1	1, 4, 10, 12	30756	22.8	12	199.3	102.2	150.8
NuTech NX-5516 RR/YGCB	10	29385	22.4	21	199.2	--	--
NuTech NT-2114 HX	9, 10	28950	19.0	32	198.8	--	--
NuTech NT-4213 YGCB	5	30150	20.5	13	198.8	119.4	159.1
Stone HC 7R667	9	30327	18.0	4	197.8	--	--
Kruger 0313	2, 9, 10	28999	18.9	0	197.5	--	--
Dyna-Gro CX06114	10	28332	18.6	2	197.5	--	--
Rainbow 3120YGCB	9	30836	18.1	12	197.3	111.8	154.6
Garst 8452CB/LL	6	28667	19.4	5	197.0	--	--
Kruger 9115RR/YGCB	2, 6, 9	29482	21.2	7	196.8	--	--
Pioneer 33D13	2, 9, 10	29064	19.6	10	196.6	--	--
Kruger 8512HX	2, 9, 10	30443	21.2	6	195.2	--	--
AgriGold A6633Bt	8, 9, 10	29496	22.2	33	194.8	--	--
Kruger 8614HXB	2, 9, 10	29590	21.2	9	194.3	--	--
NuTech NT-4014 YGCB	10	29305	21.5	4	194.1	126.0	160.1
Rainbow X1135YGCB	9	30209	17.8	7	194.0	--	--
Mersch. M-711E-1	1, 4, 10, 12	28546	18.7	43	193.9	--	--
Kruger 0413	2, 9, 10	29112	20.4	21	193.8	--	--
Hubner H4677CB	9, 10, 12	29105	20.8	21	193.8	--	--
Kruger 5315BTLLB	2, 6, 9	28547	21.3	8	193.6	--	--
NK Brand N65-C5	6	28979	18.7	8	193.3	117.8	155.6
MFA MORCORN XP160	10	30028	20.4	14	193.0	--	--
Midland MG 7A53BT	10	28406	18.6	32	192.4	103.4	147.9
Kruger 5315BTLLA	2, 6, 9	29126	23.9	37	191.2	--	--
NK Brand N72-G8	6	28253	18.6	9	191.1	--	--
BioGene RR/CB1163	1, 4, 10	26206	22.0	42	191.0	--	--
Kruger 5313YGCB	2, 6, 9	30013	18.2	0	189.9	109.9	149.9
Rainbow 3158YGCB	9	30255	23.7	33	189.7	112.4	151.1
Mycogen 2T780	6	29417	20.3	40	189.7	--	--
Kruger 5613YGCB	2, 9, 10	29531	19.0	31	189.4	--	--
Kruger 8414HX	2, 6, 9	30067	21.4	55	189.0	--	--
Kruger 8516HX	2, 9, 10	30272	21.1	20	189.0	--	--
Rainbow 3105YGCB	9	28715	18.6	11	188.6	114.0	151.3
Lewis 7044 CB	9, 10, 12	30302	22.5	62	188.1	129.5	158.8
Lewis 4886 PL	9, 10, 12	28995	18.3	43	188.1	--	--
Laser L-9H93BT	3, 5	29331	23.5	47	187.7	--	--
Garst 8380IT	6	29859	19.5	33	187.7	63.0	125.4
Garst 8535YG1/IT	6	28385	17.6	37	187.2	93.7	140.5
Pfister 3356RR-Bt	9, 10	29865	23.9	35	187.2	--	--
Laser L-9H63BT	3, 5	28278	24.4	52	186.3	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	29622	17.7	17	185.6	--	--
NuTech NT-8913 YGPL	10	29469	18.9	13	185.6	--	--
Golden Harvest H-9190Hx	3, 5	29520	19.8	21	184.8	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 2005 -----bu/acre-----	2005	
Willcross 3096YGPL	10	29164	18.2	7	184.8	--	--
Mycogen 2P722	6	30157	18.3	10	184.4	--	--
BioGene BG82N07	1, 4, 10	27402	17.5	9	184.3	--	--
LG 2625Bt	2, 8, 9, 10	29567	22.1	43	182.4	141.9*	162.2
Golden Harvest H-9006Bt	3, 5	29898	18.4	0	182.2	106.2	144.2
Kruger 2410RR/YGCB	2, 6, 9	29047	18.3	0	180.7	--	--
Kruger 9212RR/YGCB	2, 6, 9	29500	18.3	19	180.5	--	--
Hubner H5808PL	9, 10, 12	27988	23.4	45	180.2	--	--
Mycogen 2C727	6	29007	20.4	40	179.9	--	--
Willcross 3127X4CB	10	28941	19.4	12	179.3	--	--
Kruger 8615HX	2, 6, 9	29282	20.2	47	179.3	--	--
Pioneer 32B81	2, 9, 10	29345	18.7	32	179.0	--	--
Kruger 2517RR/YGCB	2, 6, 9	30708	26.8	54	178.3	--	--
LG 2615	2, 9, 10	29174	19.9	3	177.8	--	--
Kruger 0610	2, 9, 10	29688	17.4	4	177.4	--	--
Taylor 830Bt	10	28521	18.8	48	176.1	--	--
Kruger 0612	2, 6, 9	28851	18.3	24	175.4	--	--
BioGene BG1128	1, 4, 10	28920	18.3	28	172.8	--	--
Willcross 3137X3LCB	10	29928	18.8	13	172.6	--	--
Laser L-8H21RR	3, 5	29718	18.7	0	171.8	--	--
Burrus 794S	1, 4, 10, 12	30296	25.0	62	171.6	--	--
MFA MORCORN XP164C	10	29088	18.3	25	170.4	--	--
Kruger 2414RR/YGCB	2, 6, 9	30734	22.2	42	169.1	--	--
Kruger 5310YGCB	2, 6, 9	29823	18.8	41	168.0	--	--
Kruger 0215	2, 9, 10	29698	18.6	31	166.3	--	--
NuTech NT-5616 RR/YGCB	5	29109	24.3	62	160.4	--	--
Renze 9526 YGCB/RR	2, 9, 12, 10	29883	25.8	47	159.0	--	--
Kruger 9111YGCB	2, 6, 9	29445	18.2	52	158.6	89.4	124.0
NuTech NT-4616 YGCB	5	29623	23.3	74	156.5	137.6*	147.1
Kruger 0515	2, 9, 10	28883	18.1	21	154.5	--	--
Kruger 0615	2, 6, 9	29447	18.3	67	149.1	92.5	120.8
Kruger 5517YGCB	2, 6, 9	30376	26.1	61	130.9	129.1	130.0
Lewis 7065 CB/RR	9, 10, 12	30383	26.2	75	125.6	--	--
TEST AVERAGE		29416	20.4	20	194.7	109.9	152.3
L.S.D. AT .10		1467	2.1	24	29.3	16.1	
C.V. %		3.0	7.3		10.6	10.3	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 6. Non-Irrigated Corn Test

North Region: LaGrange, MO (Lewis County)

Soil Type: Westerville Silt Loam Soil Test: pH=5.4, OM=2.3%, P=192, K=596

European Corn Borer Rating: Damaged Plants= 56%, Tunnel Length/Plant= 2.7 in.

Rainfall: Apr.=2.7, May=2.2, June=2.4, July=4.0, Aug.=3.9 Total=15.2 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
NuTech NT-4213 YGCB	5	28445	13.5	1	246.9**	188.3*	217.6
Garst 8294YG1/IT	6	29417	17.0	11	244.3*	--	--
Kruger 5512BTLL	2, 6, 9	29704	12.5	10	237.0*	--	--
ASGROW RX715RR2/YGCB	10	31089	14.0	14	236.4*	--	--
Lewis 7065 CB/RR	9, 10, 12	30480	17.4	17	234.9*	--	--
Renze 8386YGCB	2, 9, 12, 10	31001	12.8	7	233.0*	185.0*	209.0
Pioneer 32B81	2, 9, 10	30071	16.1	25	231.2*	--	--
Rainbow X1145YGCB	9	30411	12.5	0	230.9*	--	--
Dyna-Gro 57P28	10	29788	12.1	3	230.8*	--	--
Pioneer 33A87	2, 9, 10	29053	14.2	23	229.9*	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	30274	14.2	22	228.7*	--	--
Hubner H4677CB	9, 10, 12	29120	15.6	11	228.2*	--	--
LG 2625Bt	2, 8, 9, 10	28737	15.7	50	227.5*	178.5	203.0
Garst 8380IT	6	29597	12.4	14	227.2*	181.7*	204.5
DEKALB DKC64-27 (RR2)	10	29532	13.1	5	225.2*	--	--
Kruger 5416YGCB	2, 6, 9	30888	14.8	7	224.8*	187.2*	206.0
Burrus 572RWR	10, 12	30024	13.0	2	224.3*	--	--
NuTech NT-8913 YGPL	10	27964	13.1	0	223.3*	--	--
Stone HC 7R667	9	30812	11.7	6	222.6*	--	--
Mersch. M-314A-1	1, 4, 10, 12	28747	17.5	51	222.4*	188.1*	205.3
Mersch. M-512C-1	1, 4, 10, 12	30006	16.0	13	222.3*	181.9*	202.1
Pioneer 34P89	2, 7, 9, 10	28596	13.1	10	222.1*	--	--
Kruger 8512HX	2, 9, 10	30204	15.8	20	221.1*	--	--
AgriGold A6594Bt	10	28104	14.8	3	219.5*	--	--
Mersch. M-612D-1	1, 4, 10, 12	29275	12.6	12	218.9*	169.8	194.4
Fontanelle 8R403	9, 10	28592	12.8	9	218.4*	--	--
NK Brand N68-B8	6	29740	12.0	24	218.0*	--	--
Dyna-Gro 57P01	10	30276	12.8	6	217.4	--	--
Golden Harvest H-9190Hx	3, 5	30439	15.4	49	217.4	--	--
Willcross 3137X3LCB	10	30067	12.4	4	216.4	--	--
Dyna-Gro 57F37	10	29124	12.9	10	215.5	184.2*	199.9
Mycogen 2P722	6	28049	11.6	12	215.5	--	--
Kruger 5514YGCB	2, 6, 9	30328	12.9	14	214.5	175.6	195.1
LG 2615	2, 9, 10	29998	16.9	23	214.4	--	--
Mersch. M-711E-1	1, 4, 10, 12	27938	12.6	15	214.3	--	--
MFA MORCORN MC4072 CB	5	30932	12.2	3	214.0	--	--
NuTech NT-2114 HX	9, 10	30971	14.1	47	213.8	--	--
NuTech NT-4616 YGCB	5	30313	15.5	52	213.4	174.3	193.9
Kruger 5315BTLLA	2, 6, 9	29793	17.7	13	213.2	--	--
Kruger 5517YGCB	2, 6, 9	30002	17.7	69	212.9	184.2*	198.6
NC+ 4973RB	6	30031	12.2	11	212.8	--	--
Lewis 7044 CB	9, 10, 12	29591	14.8	55	212.7	173.4	193.1
Kruger 0413	2, 9, 10	29472	16.8	28	212.7	--	--
Rainbow 3105YGCB	9	30644	14.0	13	212.6	175.4	194.0
ASGROW RX754RR2	10	30757	13.1	29	212.5	--	--

TABLE 6. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Laser L-8H21RR	3, 5	28837	11.4	17	212.2	--	--
Pfister 3356RR-Bt	9, 10	30016	17.9	59	211.7	--	--
Kruger 8615HX	2, 6, 9	30060	13.0	25	211.5	--	--
Mersch. M-509A-1	1, 4, 10, 12	29715	12.4	13	211.4	--	--
BioGene RR/CB1163	1, 4, 10	25726	16.7	38	211.3	--	--
Pioneer 33K40	2, 9, 10	30502	16.0	31	210.9	--	--
Pioneer 33D13	2, 9, 10	28810	13.2	27	210.4	--	--
Midland MG 617BT	10	28892	14.7	6	210.1	--	--
Mycogen 2T780	6	30613	12.4	53	210.1	--	--
Garst 8452CB/LL	6	28836	12.6	8	210.1	--	--
Willcross 3096YGPL	10	29934	12.3	27	210.0	--	--
Pfister 2730RR-Bt	9, 10	29453	12.6	11	209.5	--	--
NuTech NT-1915 CB/LL	10	28912	14.3	31	209.3	--	--
Kruger 8213HX	2, 9, 10	31051	11.9	14	209.2	--	--
NK Brand N76-D3	6	30737	13.9	8	208.6	171.9	190.3
BioGene BG82N07	1, 4, 10	28863	12.6	22	208.5	--	--
NC+ 4947RB	6	29273	14.3	48	207.8	--	--
Kruger 0610	2, 9, 10	30516	11.7	32	207.8	--	--
NK Brand N72-G8	6	29589	11.8	30	207.7	--	--
Kruger 5315BTLLB	2, 6, 9	28939	14.6	23	207.5	--	--
Kruger 5310YGCB	2, 6, 9	30266	12.1	40	207.4	--	--
BioGene BG1128	1, 4, 10	30150	12.4	3	207.0	--	--
Midland MG 436BT	10	29061	12.3	47	207.0	--	--
NuTech NX-5416 RR/YGCB	10	28583	16.1	93	206.8	--	--
Kruger 5313YGCB	2, 6, 9	29736	12.5	0	206.7	179.9	193.3
Kruger 0612	2, 6, 9	29489	11.8	18	206.7	--	--
LG 2640Bt	2, 8, 9, 10	29012	15.1	43	206.2	--	--
Kruger 0615	2, 6, 9	30290	12.6	19	205.7	161.1	183.4
Willcross 3116RRCB	10	29794	12.5	10	204.8	--	--
Willcross 3127X4CB	10	29001	14.3	20	204.5	--	--
Renze 8526YGCB	2, 9, 12, 10	28436	16.1	65	204.1	180.5	192.3
DEKALB DKC63-81 (RR2/YGCB)	10	30699	13.1	37	203.9	--	--
NK Brand N65-C5	6	29576	12.4	32	203.6	174.3	189.0
Rainbow 3120YGCB	9	30107	12.1	17	203.5	169.9	186.7
Renze 9406YGCB/RR	2, 9, 12, 10	30304	12.7	31	203.4	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	30206	12.1	16	203.0	--	--
Taylor 830Bt	10	28344	12.4	46	202.0	--	--
Kruger 8414HX	2, 6, 9	28625	12.8	53	201.6	--	--
Garst 8535YG1/IT	6	30008	13.4	41	201.1	184.0*	192.6
MFA MORCORN MC4474 CB	5	29131	13.6	17	200.9	191.1*	196.0
Mycogen 2C727	6	29368	12.1	28	200.6	--	--
Renze 5467HX1/LL	2, 9, 12, 10	29835	12.7	42	200.2	--	--
Laser L-9H93BT	3, 5	30256	16.2	71	199.9	--	--
Dyna-Gro CX06114	10	29908	12.5	8	199.9	--	--
AgriGold A6585Bt	8, 9, 10	30758	16.0	66	199.8	--	--
NK Brand N70-T9	6	30521	14.0	38	199.7	173.5	186.6
Wyffels W7389	2, 7, 9, 10	30606	14.5	31	198.4	--	--
NuTech NT-2613 HX	9, 10	26777	15.7	26	197.6	--	--
Fontanelle 7931	9, 10	28555	13.4	71	196.8	183.5*	190.2
Kruger 8614HXB	2, 9, 10	31031	12.9	34	196.7	--	--
Kruger 9115RR/YGCB	2, 6, 9	28283	16.3	47	196.5	--	--
Lewis 5567 CB/RR	9, 10	28188	13.8	51	196.4	--	--
Kruger 5613YGCB	2, 9, 10	28943	12.8	57	196.2	--	--
NuTech NT-4014 YGCB	10	29926	15.3	42	196.1	171.2	183.7

TABLE 6. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 2005	-----bu/acre-----	
Pioneer 33T56	2, 9, 10	29060	12.4	14	196.1	--	--
Kruger 2414RR/YGCB	2, 6, 9	31002	13.1	42	195.9	--	--
Laser L-9H63BT	3, 5	28416	12.8	85	195.6	--	--
Lewis 4886 PL	9, 10, 12	29813	12.3	63	194.9	--	--
AgriGold A6633Bt	8, 9, 10	30058	13.1	60	194.2	--	--
MFA MORCORN XP164C	10	29660	12.7	19	193.9	--	--
Rainbow X1135YGCB	9	29494	12.4	39	193.8	--	--
Lewis 5343 CB	9, 10, 12	29647	12.0	21	193.6	171.5	182.6
Kruger 0215	2, 9, 10	29580	12.5	34	193.3	--	--
MFA MORCORN XP160	10	30655	13.9	9	191.9	--	--
Kruger 9111YGCB	2, 6, 9	30535	11.7	43	191.7	167.4	179.6
Kruger 5617YGCB	2, 9, 10	30484	15.9	11	191.4	--	--
Kruger 9212RR/YGCB	2, 6, 9	28442	13.2	44	191.3	--	--
Kruger 8516HX	2, 9, 10	29542	13.9	46	190.9	--	--
Renze 9526 YGCB/RR	2, 9, 12, 10	28700	17.1	72	190.1	--	--
Kruger 0515	2, 9, 10	31215	14.8	54	189.4	--	--
Burrus 794S	1, 4, 10, 12	29593	17.4	79	189.3	--	--
Kruger 2410RR/YGCB	2, 6, 9	30436	11.2	26	188.5	--	--
Burrus 492S	1, 4, 10, 12	28055	12.1	23	188.5	--	--
DEKALB DKC61-72 (RR2)	10	30906	13.8	38	188.4	190.9*	189.7
Mersch. M-613B-1	1, 4, 10, 12	30650	14.3	27	188.0	--	--
Willcross 3103RRCB	10	30202	12.5	57	186.4	--	--
NuTech NT-5616 RR/YGCB	5	29309	16.2	84	184.9	--	--
Kruger 2517RR/YGCB	2, 6, 9	29011	16.9	56	184.8	--	--
Hubner H5808PL	9, 10, 12	29983	17.6	64	184.2	--	--
Kruger 9313RR/YGCB	2, 6, 9	30689	14.1	22	183.7	--	--
Kruger 8616HX	2, 6, 9	28901	15.0	29	180.4	--	--
Golden Harvest H-9006Bt	3, 5	29297	12.4	64	180.2	187.5*	183.9
NuTech NX-5516 RR/YGCB	10	29948	19.6	83	178.5	--	--
Kruger 0313	2, 9, 10	29278	13.3	59	178.0	--	--
Rainbow 3158YGCB	9	30478	16.0	66	174.6	174.0	174.3
Midland MG 7A53BT	10	29633	12.8	92	171.3	180.3	175.8
Midland MG 7A28BT/RR	10	28519	13.4	88	171.1	--	--
TEST AVERAGE		29641	13.9	32	206.5	172.5	189.5
L.S.D. AT .10		1589	1.8	29	29.1	13.5	
C.V. %		4.0	9.5		10.0	5.4	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 7. Performance Summary for Non-Irrigated Hybrids evaluated at Five North Missouri locations (Craig, Albany, Mooresville, Novelty, LaGrange) during 2006.

<u>Craig</u> Planted: 04-25 Harvested: 10-06 Growing Season Rainfall: 21.4 in.	<u>Albany</u> Planted: 04-08, 05-17 Harvested: 10-02, 03 Growing Season Rainfall: 20.5 in.	<u>Mooresville</u> Planted: 04-27 Harvested: 09-22, 23 Growing Season Rainfall: 16.9 in.
<u>Novelty</u> Planted: 04-20 Harvested: 09-14 Growing Season Rainfall: 18.5 in.	<u>LaGrange</u> Planted: 04-21 Harvested: 09-27 Growing Season Rainfall: 15 in.	

Brand-Hybrid	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooresville	Novelty	LaGrange	
Non-Irrigated						
DEKALB DKC63-46 (RR2/YGCB)	204.3*	185.4*	201.3*	233.3**	228.7*	210.6**
Garst 8294YG1/IT	204.1*	178.9*	203.5*	216.2*	244.3*	209.4*
Renze 8386YGCB	213.7*	179.2*	202.1*	201.9	233.0*	206.0*
DEKALB DKC64-27 (RR2)	205.3*	162.8*	201.4*	222.9*	225.2*	203.5*
Kruger 5512BTLL	205.8*	165.8*	198.9*	207.9*	237.0*	203.1*
NuTech NT-4213 YGCB	208.0*	173.6*	186.9	198.8	246.9**	202.8*
Pioneer 33A87	203.2*	162.2*	198.6*	219.8*	229.9*	202.7*
Mersch. M-314A-1	221.7**	147.4	187.4	226.7*	222.4*	201.1*
Dyna-Gro 57F37	196.8	187.6**	188.2	217.2*	215.5	201.1*
Midland MG 617BT	195.4	178.6*	189.1	222.0*	210.1	199.0
Kruger 5416YGCB	200.6	159.8*	192.5*	213.9*	224.8*	198.3
AgriGold A6594Bt	198.3	173.2*	190.6	209.6*	219.5*	198.2
Mersch. M-512C-1	215.8*	160.6*	188.1	199.3	222.3*	197.2
Pioneer 33K40	189.9	151.4	207.5**	224.8*	210.9	196.9
Burrus 572RWR	207.6*	150.4	192.5*	209.5*	224.3*	196.9
NK Brand N76-D3	211.3*	168.9*	188.4	206.0*	208.6	196.6
Hubner H4677CB	216.0*	163.8*	180.1	193.8	228.2*	196.4
Rainbow X1145YGCB	201.4	146.6	185.2	215.4*	230.9*	195.9
Kruger 9313RR/YGCB	197.4	179.2*	189.9	228.4*	183.7	195.7
Renze 8526YGCB	211.1*	182.3*	179.3	201.0	204.1	195.6
NC+ 4973RB	198.3	168.6*	174.8	219.2*	212.8	194.7
Mersch. M-612D-1	199.5	166.3*	179.3	208.9*	218.9*	194.6
Renze 9406YGCB/RR	201.2	160.3*	187.9	220.0*	203.4	194.6
MFA MORCORN MC4072 CB	197.8	161.9*	174.1	224.8*	214.0	194.5
Kruger 5315BTLLA	210.6*	154.2	198.6*	191.2	213.2	193.6
Kruger 8512HX	191.8	177.9*	180.6	195.2	221.1*	193.3
NK Brand N70-T9	205.8*	153.0	175.7	228.4*	199.7	192.5
NuTech NT-8913 YGPL	199.4	171.2*	182.6	185.6	223.3*	192.4
DEKALB DKC61-72 (RR2)	205.8*	168.6*	196.6*	202.3	188.4	192.3
Garst 8380IT	209.5*	150.4	186.0	187.7	227.2*	192.2
Kruger 8213HX	195.1	179.5*	172.3	204.3*	209.2	192.1
Pfister 3356RR-Bt	202.6*	156.1	202.2*	187.2	211.7	192.0
Midland MG 436BT	190.2	167.6*	194.0*	200.6	207.0	191.9
LG 2640Bt	200.4	168.9*	180.6	202.8	206.2	191.8
Golden Harvest H-9190Hx	195.4	176.2*	184.9	184.8	217.4	191.7
MFA MORCORN XP160	210.1*	172.2*	191.2*	193.0	191.9	191.7
ASGROW RX754RR2	185.9	155.9	197.7*	204.8*	212.5	191.4
LG 2625Bt	187.2	180.0*	175.4	182.4	227.5*	190.5
Lewis 7044 CB	187.0	161.6*	202.0*	188.1	212.7	190.3
Mycogen 2T780	194.4	173.2*	183.7	189.7	210.1	190.2
Kruger 8516HX	210.6*	184.8*	173.5	189.0	190.9	189.8
NK Brand N68-B8	196.8	150.0	181.6	202.0	218.0*	189.7
NuTech NT-2114 HX	198.9	157.0	179.0	198.8	213.8	189.5
MFA MORCORN MC4474 CB	194.6	160.0*	185.9	205.3*	200.9	189.3
Laser L-9H93BT	200.9	175.0*	183.0	187.7	199.9	189.3

Table 7. Continued.

Brand-Hybrid	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooreville	Novelty	LaGrange	
Non-Irrigated						
Kruger 8615HX	206.2*	172.6*	176.0	179.3	211.5	189.1
ASGROW RX715RR2/YGCB	197.4	136.5	173.8	201.3	236.4*	189.1
Pfister 2730RR-Bt	194.6	163.6*	175.2	202.4	209.5	189.1
Lewis 5343 CB	200.5	152.3	186.5	210.6*	193.6	188.7
Kruger 5514YGCB	194.4	146.7	175.6	212.2*	214.5	188.7
Mersch. M-613B-1	194.7	175.0*	178.3	206.4*	188.0	188.5
NuTech NT-1915 CB/LL	189.7	159.9*	177.3	205.6*	209.3	188.4
DEKALB DKC63-81 (RR2/YGCB))	171.7	154.0	194.4*	216.9*	203.9	188.2
Fontanelle 7931	179.0	154.8	179.7	230.4*	196.8	188.1
Stone HC 7R667	184.9	158.4*	175.9	197.8	222.6*	187.9
NuTech NT-4616 YGCB	208.7*	154.1	204.6*	156.5	213.4	187.5
Kruger 5315BTLLB	193.6	156.2	185.4	193.6	207.5	187.3
Pioneer 33T56	201.1	157.3*	177.4	204.2*	196.1	187.2
NC+ 4947RB	177.7	156.8	178.3	214.4*	207.8	187.0
Garst 8452CB/LL	190.0	153.4	180.7	197.0	210.1	186.2
Pioneer 34A16 (HX1/LL)	189.4	175.7*	175.4	185.6	203.0	185.8
Rainbow X1135YGCB	190.7	167.4*	182.9	194.0	193.8	185.8
Dyna-Gro CX06114	191.0	163.8*	176.5	197.5	199.9	185.7
Rainbow 3105YGCB	193.0	157.4*	176.6	188.6	212.6	185.6
Wyffels W7389	181.5	156.8	182.5	208.9*	198.4	185.6
Kruger 8616HX	216.4*	158.2*	168.3	204.0*	180.4	185.4
Dyna-Gro 57P28	170.5	149.2	168.6	207.6*	230.8*	185.3
Kruger 5313YGCB	185.9	158.0*	184.5	189.9	206.7	185.0
Kruger 0612	211.0*	170.5*	160.7	175.4	206.7	184.8
Renze 5467HX1/LL	200.5	145.0	172.3	203.5	200.2	184.3
Dyna-Gro 57P01	193.8	121.2	181.9	207.2*	217.4	184.3
Mersch. M-711E-1	191.5	144.0	174.4	193.9	214.3	183.6
Willcross 3096YGPL	197.3	146.7	178.8	184.8	210.0	183.5
Pioneer 32B81	183.1	146.5	176.1	179.0	231.2*	183.2
Pioneer 34P89	204.6*	119.0	166.7	202.7	222.1*	183.0
BioGene RR/CB1163	183.7	148.7	180.4	191.0	211.3	183.0
AgriGold A6633Bt	196.3	165.8*	163.8	194.8	194.2	183.0
Lewis 7065 CB/RR	203.1*	164.6*	185.6	125.6	234.9*	182.8
Burrus 492S	191.6	147.4	175.3	210.6*	188.5	182.7
NK Brand N72-G8	194.3	142.6	177.6	191.1	207.7	182.7
Mersch. M-509A-1	197.4	113.0	186.7	203.2	211.4	182.3
Willcross 3116RRCB	193.7	125.6	173.8	213.3*	204.8	182.2
Kruger 5517YGCB	198.2	170.7*	197.1*	130.9	212.9	182.0
Hubner H5808PL	192.8	166.8*	185.2	180.2	184.2	181.8
BioGene BG82N07	199.1	146.0	170.5	184.3	208.5	181.7
Fontanelle 8R403	180.5	122.2	178.2	208.6*	218.4*	181.6
Renze 9526 YGCB/RR	209.4*	160.2*	188.7	159.0	190.1	181.5
Midland MG 7A28BT/RR	186.0	134.9	197.0*	218.1*	171.1	181.4
LG 2615	197.4	139.7	176.5	177.8	214.4	181.2
Lewis 4886 PL	187.3	155.6	178.4	188.1	194.9	180.9
Garst 8535YG1/IT	192.7	155.7	167.5	187.2	201.1	180.8
Willcross 3137X3LCB	205.1*	154.4	154.0	172.6	216.4	180.5
NK Brand N65-C5	166.5	163.6*	175.4	193.3	203.6	180.5
Kruger 8614HXB	204.8*	142.6	163.0	194.3	196.7	180.3
NuTech NX-5416 RR/YGCB	168.1	139.2	184.1	201.7	206.8	180.0
NuTech NX-5516 RR/YGCB	170.1	163.0*	188.4	199.2	178.5	179.8
Lewis 5567 CB/RR	161.1	155.5	183.7	202.3	196.4	179.8
Kruger 0610	193.3	140.0	180.4	177.4	207.8	179.8
Pioneer 33D13	180.1	131.0	180.7	196.6	210.4	179.8

Table 7. Continued.

Brand-Hybrid	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooreville	Novelty	LaGrange	
Non-Irrigated						
Kruger 0215	205.5*	146.9	186.8	166.3	193.3	179.8
Taylor 830Bt	181.4	156.6	181.5	176.1	202.0	179.5
Rainbow 3120YGCB	177.4	147.8	171.3	197.3	203.5	179.5
Willcross 3103RRCB	184.3	138.2	172.2	214.0*	186.4	179.0
Kruger 5613YGCB	189.3	139.2	179.6	189.4	196.2	178.7
Rainbow 3158YGCB	203.6*	142.2	181.2	189.7	174.6	178.3
Laser L-9H63BT	180.6	142.2	186.4	186.3	195.6	178.2
Kruger 2410RR/YGCB	194.9	147.8	178.4	180.7	188.5	178.0
Willcross 3127X4CB	179.8	149.2	175.9	179.3	204.5	177.7
Kruger 8414HX	177.2	147.6	172.0	189.0	201.6	177.5
Kruger 0615	199.5	158.1*	174.0	149.1	205.7	177.3
Kruger 5310YGCB	184.9	163.6*	161.1	168.0	207.4	177.0
NuTech NT-2613 HX	186.4	130.8	169.3	199.7	197.6	176.8
Laser L-8H21RR	188.1	135.4	172.2	171.8	212.2	175.9
Mycogen 2P722	172.6	139.4	167.5	184.4	215.5	175.9
Kruger 2517RR/YGCB	200.4	151.4	161.6	178.3	184.8	175.3
Kruger 5617YGCB	186.1	122.6	168.4	207.2*	191.4	175.1
Kruger 0313	185.0	129.4	185.3	197.5	178.0	175.0
NuTech NT-4014 YGCB	188.8	133.4	162.7	194.1	196.1	175.0
MFA MORCORN XPI64C	183.3	132.3	193.3*	170.4	193.9	174.6
NuTech NT-5616 RR/YGCB	206.8*	126.0	192.3*	160.4	184.9	174.1
BioGene BG1128	196.1	129.4	164.4	172.8	207.0	173.9
Kruger 0515	197.6	156.4	170.7	154.5	189.4	173.7
Kruger 0413	174.6	129.3	157.6	193.8	212.7	173.6
Burrus 794S	191.7	140.0	175.1	171.6	189.3	173.5
Mycogen 2C727	170.4	152.2	164.3	179.9	200.6	173.5
Kruger 9115RR/YGCB	165.2	130.0	171.5	196.8	196.5	172.0
AgriGold A6585Bt	181.5	119.1	157.4	200.0	199.8	171.6
Kruger 9212RR/YGCB	171.0	145.9	166.9	180.5	191.3	171.1
Kruger 2414RR/YGCB	189.4	142.3	157.4	169.1	195.9	170.8
Midland MG 7A53BT	176.9	137.2	171.3	192.4	171.3	169.8
Golden Harvest H-9006Bt	162.6	149.2	166.9	182.2	180.2	168.2
Kruger 9111YGCB	181.3	150.1	154.9	158.6	191.7	167.3
TEST AVERAGE	193.4	154.2	180.2	194.7	206.5	185.8
L.S.D. AT .10	20.1	30.5	16.7	29.3	29.1	11.3
C.V. %	7.4	11.9	6.6	10.6	10.0	9.3

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

Note: To view seed treatments for these hybrids refer to the location table or the characteristics chart.

TABLE 8. New Technology Corn Test

North/Central Region: Albany, MO (Gentry County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.1, OM=2.5%, P=70, K=274

European Corn Borer Rating: Damaged Plants= 32%, Tunnel Length/Plant= 0.9 in.

Rainfall: Apr.=4.4, May=1.1, June=3.8, July=1.9, Aug.=9.3 Total=20.5 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
Pioneer 34A17	2, 7, 9, 10	29002	18.6	0	155.7**	--	--
Kruger 9310TS	2, 6, 9	29749	20.4	1	143.5*	--	--
Wyffels W8251	2, 7, 9, 10	29874	22.2	2	137.1*	--	--
Pioneer 33K42	2, 9, 10	27633	21.0	4	135.8*	--	--
Burrus 796T	1, 4, 10, 12	29500	23.0	1	135.7*	191.6	163.7
Fontanelle 8K389	9, 10	28629	21.0	5	134.0*	--	--
Kruger 6612TS	2, 9, 10	29749	18.9	0	132.7*	--	--
Fontanelle 7K733	9, 10	30247	21.4	0	130.4*	--	--
NuTech NT-9616 RR/YGPL	5	29998	23.2	2	129.2	189.1	159.2
Kruger 6611TS	2, 6, 9	30123	19.6	0	128.6	--	--
Lewis 5997 PL/RR	9, 10	29874	21.4	6	128.5	--	--
Wyffels W8171	2, 7, 9, 10	28007	23.8	0	127.5	--	--
High Yield Check 2	-	30247	23.4	5	127.0	216.4**	171.7
High Yield Check 1	-	29002	24.3	1	124.4	193.0	158.7
NK Brand N70-C7	6	30620	21.8	0	123.6	--	--
Wyffels W8601	2, 7, 9, 10	29998	22.8	6	123.3	--	--
Kruger 9212TS	2, 6, 9	29500	20.7	0	121.9	192.1	157.0
NK Brand N67-D6	6	30372	20.6	1	121.4	--	--
Kruger 7613YG+	2, 9, 10	29624	21.0	0	118.1	--	--
Dyna-Gro 57B94	10	30122	22.8	1	109.9	--	--
NuTech NT-9415 RR/YGPL	5	29127	22.4	0	88.4	--	--
NuTech NX-9316 RR/YGPL	10	29376	23.4	1	85.6	--	--
High Yield Check 3	-	30371	24.4	0	85.5	193.3	139.4
Kruger 9115TS	2, 6, 9	30496	24.0	0	73.6	186.5	130.1
TEST AVERAGE		29635	21.9	2	121.7	188.3	155.0
L.S.D. AT .10		1305	1.6	NS	25.7	16.1	
C.V. %		3.2	5.5		15.4	5.9	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 9. New Technology Corn Test

North/Central Region: Novelty, MO (Knox County)

Soil Type: Putman Silt Loam Soil Test: pH=6.2, OM=2.0%, P=80, K=532

European Corn Borer Rating: Damaged Plants= 96%, Tunnel Length/Plant= 3.25 in.

Rainfall: Apr.=2.4, May=2.6, June=3.5, July=3.2, Aug.=6.8 Total=18.5 in

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
High Yield Check 3	-	30184	24.4	13	236.4**	128.5*	182.5
High Yield Check 1	-	28339	24.5	1	226.8*	125.4*	176.1
Fontanelle 7K733	9, 10	29277	23.4	4	223.6*	--	--
NuTech NT-9415 RR/YGPL	5	29715	23.8	0	212.2	--	--
Pioneer 33K42	2, 9, 10	26687	23.7	2	208.0	--	--
Kruger 9212TS	2, 6, 9	29167	21.1	16	205.6	114.2	159.9
Pioneer 34A17	2, 7, 9, 10	27618	20.2	4	204.8	--	--
NuTech NT-9616 RR/YGPL	5	29102	24.9	27	204.3	118.4	161.4
Wyffels W8251	2, 7, 9, 10	27629	24.6	4	203.4	--	--
NuTech NX-9316 RR/YGPL	10	29087	25.5	40	202.1	--	--
Kruger 6611TS	2, 6, 9	28194	23.8	15	200.6	--	--
Fontanelle 8K389	9, 10	27224	22.3	0	199.3	--	--
Lewis 5997 PL/RR	9, 10	28829	23.9	2	198.8	--	--
Dyna-Gro 57B94	10	29541	23.7	3	196.8	--	--
Kruger 9115TS	2, 6, 9	29128	23.7	11	195.8	81.0	138.4
Kruger 6612TS	2, 9, 10	30078	22.6	1	195.8	--	--
Kruger 7613YG+	2, 9, 10	28523	21.5	20	191.4	--	--
Wyffels W8171	2, 7, 9, 10	27356	24.4	4	189.8	--	--
Wyffels W8601	2, 7, 9, 10	29274	24.6	50	187.4	--	--
Kruger 9310TS	2, 6, 9	28385	22.3	2	185.6	--	--
Burrus 796T	1, 4, 10, 12	29063	24.2	49	179.2	126.9*	153.1
NK Brand N67-D6	6	29057	23.1	23	178.0	--	--
NK Brand N70-C7	6	28400	23.7	22	176.9	--	--
High Yield Check 2	-	29409	25.1	53	166.6	137.4**	152.0
TEST AVERAGE		28719	23.5	15	198.7	106.8	152.8
L.S.D. AT .10		NS	1.1	16	23.0	14.6	
C.V. %		4.3	3.4		7.7	9.4	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 10. New Technology Corn Test

North/Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.2, OM=1.6%, P=70, K=322

European Corn Borer Rating: Damaged Plants= 4%, Tunnel Length/Plant= 0.1 in.

Rainfall: Apr.=2.1, May=3.2, June=3.8, July=3.0, Aug.=4.7 Total=16.8 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Burrus 796T	1, 4, 10, 12	29886	12.7	13	177.4**	83.1	130.3
Wyffels W8601	2, 7, 9, 10	29701	12.8	8	163.6*	--	--
Pioneer 34A17	2, 7, 9, 10	29019	12.3	1	161.8*	--	--
NK Brand N67-D6	6	27804	11.3	2	161.8*	--	--
Kruger 6611TS	2, 6, 9	25536	11.3	0	161.7*	--	--
NuTech NT-9616 RR/YGPL	5	27318	13.9	8	158.9*	103.0*	131.0
Kruger 9212TS	2, 6, 9	28422	11.1	14	158.9*	93.1*	126.0
Fontanelle 7K733	9, 10	28517	11.6	6	157.5*	--	--
Kruger 9310TS	2, 6, 9	30712	11.8	0	156.7*	--	--
Fontanelle 8K389	9, 10	27934	11.7	0	155.9	--	--
NK Brand N70-C7	6	29879	11.4	0	155.7	--	--
Kruger 7613YG+	2, 9, 10	24440	12.0	4	151.2	--	--
High Yield Check 2	-	27486	11.9	26	149.3	89.2	119.3
Dyna-Gro 57B94	10	28152	13.8	1	148.1	--	--
Pioneer 33K42	2, 9, 10	25477	14.6	0	148.0	--	--
NuTech NX-9316 RR/YGPL	10	27605	11.6	25	142.7	--	--
Wyffels W8171	2, 7, 9, 10	28190	11.7	11	141.3	--	--
Kruger 9115TS	2, 6, 9	28754	12.3	4	140.2	94.1*	117.2
High Yield Check 1	-	27002	11.5	0	138.1	74.3	106.2
High Yield Check 3	-	24966	11.6	20	137.6	79.8	108.7
Kruger 6612TS	2, 9, 10	28614	13.1	0	123.0	--	--
NuTech NT-9415 RR/YGPL	5	25329	13.8	3	122.5	--	--
Lewis 5997 PL/RR	9, 10	25608	13.8	7	117.7	--	--
Wyffels W8251	2, 7, 9, 10	28379	11.2	7	116.1	--	--
TEST AVERAGE		27697	12.3	7	147.7	82.3	115.0
L.S.D. AT .10		3287	1.7	10	20.7	11.2	
C.V. %		8.2	9.9		9.8	9.2	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 11. Performance Summary for New Technology Hybrids evaluated at Three North/Central Missouri locations (Albany, Novelty, Columbia) during 2006.

<u>Albany</u> Planted: 05-17 Harvested: 10-02, 03 Growing Season Rainfall: 20.5 in.	<u>Novelty</u> Planted: 04-20 Harvested: 09-14 Growing Season Rainfall: 18.5 in	<u>Columbia</u> Planted: 04-14 Harvested: 08-31 Growing Season Rainfall: 16.8 in.
--	--	--

Brand-Hybrid	Yield (Bu/Acre)			Mean
	Albany	Novelty	Columbia	
New Technology				
Pioneer 34A17	155.7**	204.8	161.8*	174.1**
Fontanelle 7K733	130.4*	223.6*	157.5*	170.5*
NuTech NT-9616 RR/YGPL	129.2	204.3	158.9*	164.1*
Burrus 796T	135.7*	179.2	177.4**	164.1*
Pioneer 33K42	135.8*	208.0	148.0	163.9*
Kruger 6611TS	128.6	200.6	161.7*	163.6*
High Yield Check 1	124.4	226.8*	138.1	163.1*
Fontanelle 8K389	134.0*	199.3	155.9	163.1*
Kruger 9212TS	121.9	205.6	158.9*	162.1*
Kruger 9310TS	143.5*	185.6	156.7*	161.9*
Wyffels W8601	123.3	187.4	163.6*	158.1
NK Brand N67-D6	121.4	178.0	161.8*	153.7
Kruger 7613YG+	118.1	191.4	151.2	153.6
High Yield Check 3	85.5	236.4**	137.6	153.2
Wyffels W8171	127.5	189.8	141.3	152.9
Wyffels W8251	137.1*	203.4	116.1	152.2
NK Brand N70-C7	123.6	176.9	155.7	152.1
Dyna-Gro 57B94	109.9	196.8	148.1	151.6
Kruger 6612TS	132.7*	195.8	123.0	150.5
Lewis 5997 PL/RR	128.5	198.8	117.7	148.3
High Yield Check 2	127.0	166.6	149.3	147.6
NuTech NX-9316 RR/YGPL	85.6	202.1	142.7	143.5
NuTech NT-9415 RR/YGPL	88.4	212.2	122.5	141.0
Kruger 9115TS	73.6	195.8	140.2	136.5
TEST AVERAGE	121.7	198.7	147.7	156.0
L.S.D. AT .10	25.7	23.0	20.7	13.2
C.V. %	15.4	7.7	9.8	11.0

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

Note: To view seed treatments for these hybrids refer to the location table or the characteristics chart.

Central Region Crop Management Summary

There are five locations in the central region of Missouri for non-irrigated corn tests and two locations for irrigated corn tests. They are located in counties where a significant number of acres of corn are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary from location to location, but tend to reflect those followed by farmers in the area.

Planting dates ranged from April 6 to May 16. Rainfall was short for most of Central Missouri this spring through mid summer. During July and August more “normal” rainfall occurred, masking the earlier deficits, reflected in the season means below. There was considerable lodging at Laddonia this year because of a storm with high winds in mid August. Yields were good at all Central Missouri locations in spite of hot and dry conditions this summer.

Climatological information for the growing season for Central Missouri (April 1 – August 31) is summarized below.

Average temperature = 70.8 degrees, 2.9 degrees above normal

Average precipitation = 18.2”, 1.8” below normal

Growing degree days = 3198 days, 293 days above normal

Table 12. Central Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide		Insecticide
			N	P ₂ O ₅	K ₂ O		Pre	Post	
<i>Non-Irrigated Corn Tests</i>									
Henrietta	04-13	09-12	250	52	52	Conv.	Dual II Magnum, Callisto, Atrazine		Force 3G
Marshall	05-15	10-03	240	40	80	No-till	Dual II Magnum, Callisto, Princep, Atrazine		Force 3G
Columbia	04-14	08-31	160	46	62	No-till	Dual II Magnum, Callisto, Atrazine, Roundup WeatherMax, 2,4-D	Callisto, Accent	Force 3G
Truxton	05-02	09-01	150	102	100	No-till	Lexar		Warrior
Annada	05-16	09-26	180	30	120	Conv.	Dual II Magnum, Callisto, Atrazine		Force 3G
<i>Irrigated Corn Tests</i>									
Columbia	04-14	08-30	250	46	62	No-till	Dual II Magnum, Callisto, Atrazine, Roundup WeatherMax	Callisto, Accent	Force 3G
Laddonia	04-06	08-29	260	25	125	Conv.	Dual II Magnum, Callisto, Atrazine		Force 3G

TABLE 13. Non-Irrigated Corn Test

Central Region: Henrietta, MO (Ray County)

Soil Type: Haynie Silt Loam Soil Test: pH=5.5, OM=1.5%, P=38, K=452

European Corn Borer Rating: Damaged Plants= 36%, Tunnel Length/Plant= 0.63 in.

Rainfall: Apr.=3.2, May=3.3, June=3.1, July=2.7, Aug.=6.2 Total=18.5 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population	Moisture (%)	Lodging (%)	2006	2005	
		(no./acre)	(%)	(%)	-----bu/acre-----		
NK Brand N76-D3	6	29251	17.5	0	233.8**	213.3	223.6
Kruger 8414HX	2, 6, 9	28629	16.1	1	231.9*	--	--
Lewis 7044 CB	9, 10, 12	28380	13.8	2	231.2*	209.2	220.2
DEKALB DKC63-46 (RR2/YGCB)	10	29376	13.5	0	226.9*	--	--
NuTech NT-4616 YGCB	5	29251	13.6	4	224.4*	185.6	205.0
Kruger 5517YGCB	2, 6, 9	28131	15.6	3	224.3*	178.9	201.6
Garst 8294YG1/IT	6	27633	17.8	4	223.7*	--	--
Dyna-Gro 57F06	10	28629	13.8	3	223.6*	--	--
NC+ 4947RB	6	28505	13.0	1	223.2*	--	--
Golden Harvest H-9190Hx	3, 5	29251	14.4	0	222.7*	--	--
Garst 8247YG1	6	28629	17.6	2	222.4*	--	--
Kruger 5310YGCB	2, 6, 9	28878	12.4	1	221.8*	--	--
ASGROW RX715RR2/YGCB	10	29251	12.6	1	221.8*	--	--
Kruger 9212RR/YGCB	2, 6, 9	29624	13.0	1	220.2*	--	--
Kruger 8616HX	2, 6, 9	29251	13.6	0	219.8*	--	--
Pfister 3356RR-Bt	9, 10	28878	16.9	3	219.4*	--	--
Willcross 3137X3LCB	10	28878	12.8	3	219.0*	--	--
Mycogen 2C727	6	28878	12.2	2	218.4*	--	--
DEKALB DKC64-27 (RR2)	10	29251	15.1	0	218.2*	--	--
Midland MG 7A53BT	10	28380	13.3	3	217.9*	189.9	203.9
NK Brand N68-B8	6	29376	12.7	0	217.7*	--	--
Fontanelle 8R403	9, 10	27633	13.8	1	217.1*	--	--
Midland MG 7A28BT/RR	10	26762	14.8	3	217.1*	--	--
Stone HC 7N412	9	28256	13.5	1	217.0*	--	--
Lewis 4886 PL	9, 10, 12	28380	14.6	0	216.6*	--	--
Midland MG 617BT	10	28007	13.0	2	216.3*	--	--
Midland MG 7A58BT/RR	10	26762	16.6	1	216.1*	184.0	200.1
Burrus 794S	1, 4, 10, 12	29376	14.5	5	216.1*	--	--
Laser L-9H63BT	3, 5	26886	13.8	1	216.0*	--	--
Mycogen 2T780	6	28629	15.2	4	215.8*	--	--
Mersch. M-509A-1	1, 4, 10, 12	29127	15.0	2	215.7*	--	--
Pioneer 33K40	2, 9, 10	27882	16.6	1	215.6*	--	--
Mersch. M-512C-1	1, 4, 10, 12	29998	12.8	3	215.3*	230.2*	222.8
Burrus 572RWR	10, 12	27509	13.4	0	215.3*	--	--
Pioneer 32B81	2, 9, 10	29625	16.0	2	215.1*	--	--
Willcross 3194CB	10	29500	17.1	2	214.5*	--	--
Kruger 5416YGCB	2, 6, 9	28629	12.8	0	214.4*	238.7*	226.6
Mycogen 2M797	6	28255	16.6	0	214.4*	--	--
Lewis 7065 CB/RR	9, 10, 12	29002	15.9	3	213.2*	--	--
AgriGold A6633Bt	8, 9, 10	28255	13.0	1	213.1*	--	--
NuTech NT-2114 HX	9, 10	27758	17.3	3	212.9*	--	--
Garst 8452CB/LL	6	27758	14.1	1	212.4*	--	--
Mersch. M-314A-1	1, 4, 10, 12	28380	14.6	2	212.4*	195.4	203.9
Laser L-9H93BT	3, 5	29251	17.1	1	212.3*	--	--
Midland MG 436BT	10	27633	13.0	2	212.0*	--	--
Burrus 492S	1, 4, 10, 12	27135	13.2	2	212.0*	--	--
Willcross 3127X1CB	10	28753	12.8	2	211.5*	--	--
Pioneer 33A87	2, 9, 10	27135	16.4	0	211.4*	--	--
Lewis 5343 CB	9, 10, 12	28629	12.9	0	210.9*	235.2*	223.1
Wyffels W7383	2, 7, 9, 10	28255	13.8	1	209.8*	--	--
DEKALB DKC61-72 (RR2)	10	30372	13.2	0	209.6*	223.9*	216.8
MFA MORCORN MC4173 RR/CB	5	26762	14.6	0	209.0*	--	--

TABLE 13. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
Kruger 0615	2, 6, 9	29127	15.1	0	208.8*	--	--
ASGROW RX754RR2	10	29749	14.6	0	208.6	--	--
Stone HC 7R667	9	29998	13.0	1	207.9	--	--
Dyna-Gro 57P01	10	27882	13.0	0	207.8	--	--
Kruger 5613YGCB	2, 9, 10	28878	13.1	3	207.7	--	--
Garst 8350YG1	6	28380	13.4	1	207.6	182.4	195.0
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	29625	12.7	2	207.3	--	--
Kruger 2414RR/YGCB	2, 6, 9	27882	13.7	4	207.3	--	--
Pioneer 33T56	2, 9, 10	28007	13.2	0	206.6	--	--
Fontanelle 7931	9, 10	27882	12.6	2	206.0	--	--
Kruger 2517RR/YGCB	2, 6, 9	28131	16.2	3	205.4	--	--
Fontanelle 7951	9, 10	29500	15.0	0	204.6	--	--
Stone HC 8N206	9	29998	12.7	0	203.4	--	--
MFA MORCORN MC4474 CB	5	28131	12.8	5	203.4	190.0	196.7
NC+ 4973RB	6	28380	12.8	0	203.2	--	--
Mersch. M-711E-1	1, 4, 10, 12	27757	13.4	3	201.0	--	--
Dyna-Gro 57P12	10	28131	15.0	6	200.9	--	--
NK Brand N65-C5	6	29002	12.2	1	200.7	212.0	206.4
MFA MORCORN XP160	10	29376	12.5	2	199.7	--	--
AgriGold A6585Bt	8, 9, 10	29376	13.3	1	199.6	--	--
Kruger 5313YGCB	2, 6, 9	28878	12.5	2	199.4	--	--
NK Brand N72-G8	6	27509	12.8	0	199.1	--	--
LG 2640Bt	2, 8, 9, 10	30496	13.7	0	197.9	210.9	204.4
Pioneer 34P89	2, 7, 9, 10	27011	14.6	1	196.9	--	--
AgriGold A6594Bt	10	29500	12.8	1	194.0	--	--
Pioneer 33D13	2, 9, 10	29749	13.5	1	193.8	--	--
Laser L-8H21RR	3, 5	28256	13.3	0	193.0	--	--
Dyna-Gro 57F37	10	27384	12.7	1	191.9	220.3*	206.1
Kruger 0313	2, 9, 10	27757	13.9	0	191.7	--	--
Mersch. M-613B-1	1, 4, 10, 12	28753	14.7	6	191.4	--	--
Kruger 9313RR/YGCB	2, 6, 9	29500	13.0	0	190.3	--	--
Kruger 5315BTLLB	2, 6, 9	27633	14.6	3	189.9	--	--
Mersch. M-612D-1	1, 4, 10, 12	27758	13.3	0	189.8	213.1	201.5
Wyffels W7123	2, 7, 9, 10	27260	12.3	1	189.4	--	--
ASGROW RX785RR2/YGCB	10	29376	13.0	1	189.1	--	--
NuTech NT-4213 YGCB	5	29127	13.0	0	188.5	--	--
Kruger 9115RR/YGCB	2, 6, 9	29127	14.9	1	188.5	--	--
Wyffels W8720	2, 7, 9, 10	28256	14.7	1	188.0	209.6	198.8
LG 2625Bt	2, 8, 9, 10	28629	14.7	1	187.5	190.7	189.1
Kruger 0612	2, 6, 9	27260	12.3	1	186.5	--	--
Wyffels W8603	2, 7, 9, 10	29003	14.0	0	186.2	--	--
LG 2615	2, 9, 10	27011	13.0	0	185.8	--	--
MFA MORCORN XP166	10	28629	12.9	0	183.9	--	--
Kruger 5514YGCB	2, 6, 9	28629	12.2	0	183.6	195.4	189.5
NK Brand N70-T9	6	28256	14.4	0	174.6	175.6	175.1
Stone HC 8R533	9	29251	13.2	0	173.5	--	--
Willcross 3127X4CB	10	27882	13.9	3	160.8	--	--
Willcross 3125CBRR	10	28007	13.0	2	159.9	--	--
TEST AVERAGE		28537	14.0	1	206.6	199.2	202.9
L.S.D. AT .10		1688	1.7	3	25.1	33.5	
C.V. %		4.4	8.9		8.6	12.1	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 14. **Non-Irrigated Corn Test**

Central Region: Marshall, MO (Saline County)

Soil Type: Joy Silt Loam Soil Test: pH=5.9, OM=2.6%, P=50, K=338

European Corn Borer Rating: Damaged Plants= 100%, Tunnel Length/Plant= 3.2 in.

Rainfall: Apr.=3.6, May=4.4, June=1.2, July=3.7, Aug.=7.0 Total=19.9 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 bu/acre	2005 bu/acre	
Mersch. M-512C-1	1, 4, 10, 12	30498	14.1	1	193.6**	193.2*	193.4
Kruger 8616HX	2, 6, 9	32240	13.8	1	185.0*	--	--
NK Brand N76-D3	6	32236	13.7	1	183.7*	182.3	183.0
NuTech NT-4213 YGCB	5	31114	14.0	0	183.0*	--	--
ASGROW RX715RR2/YGCB	10	32610	13.4	1	182.6*	--	--
Midland MG 436BT	10	27884	11.8	0	182.2*	--	--
MFA MORCORN XP160	10	30742	14.9	5	181.2*	--	--
LG 2625Bt	2, 8, 9, 10	31241	13.1	15	181.1*	197.8*	189.5
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	30865	13.9	6	180.4*	--	--
Kruger 5514YGCB	2, 6, 9	30743	13.1	2	179.5*	201.5*	190.5
ASGROW RX785RR2/YGCB	10	30995	13.6	2	178.1*	--	--
Willcross 3127X1CB	10	30494	13.1	0	175.1*	--	--
Pioneer 34P89	2, 7, 9, 10	28380	12.9	1	175.0*	--	--
Pfister 3356RR-Bt	9, 10	30622	14.6	1	174.7*	--	--
Willcross 3125CBRR	10	30869	14.4	4	174.3*	--	--
Midland MG 617BT	10	29131	14.5	0	174.0*	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	30243	13.9	2	173.9*	--	--
Stone HC 7N412	9	29752	13.2	5	173.8*	--	--
NuTech NT-2114 HX	9, 10	30005	12.9	6	173.1*	--	--
Mycogen 2C727	6	31240	11.3	6	172.8*	--	--
DEKALB DKC64-27 (RR2)	10	31489	12.4	1	172.1*	--	--
Pioneer 32B81	2, 9, 10	31373	12.7	2	171.6	--	--
Stone HC 8N206	9	31491	13.7	0	171.2	--	--
Lewis 4886 PL	9, 10, 12	30621	12.2	0	171.2	--	--
Mersch. M-314A-1	1, 4, 10, 12	31119	12.7	0	170.3	186.4	178.4
Pioneer 33K40	2, 9, 10	31115	14.0	0	170.0	--	--
LG 2615	2, 9, 10	28627	14.4	1	169.9	--	--
NC+ 4973RB	6	30245	12.8	9	169.5	--	--
Mycogen 2T780	6	30005	13.3	10	168.7	--	--
Willcross 3194CB	10	30369	13.9	20	168.7	--	--
Pioneer 33T56	2, 9, 10	31490	11.6	5	168.5	--	--
LG 2640Bt	2, 8, 9, 10	30629	12.1	0	167.8	173.7	170.8
Wyffels W8603	2, 7, 9, 10	30246	14.7	3	167.3	--	--
Stone HC 7R667	9	31366	11.6	2	167.2	--	--
Kruger 5517YGCB	2, 6, 9	30870	13.6	2	167.0	179.6	173.3
Wyffels W8720	2, 7, 9, 10	30615	13.6	3	166.8	180.8	173.8
Kruger 5313YGCB	2, 6, 9	30497	11.1	4	164.9	--	--
Kruger 8414HX	2, 6, 9	31248	12.8	0	164.8	--	--
Mersch. M-711E-1	1, 4, 10, 12	29127	12.0	0	164.6	--	--
Kruger 9313RR/YGCB	2, 6, 9	31373	12.5	1	164.3	--	--
Burrus 492S	1, 4, 10, 12	28630	11.6	0	163.6	--	--
Lewis 7044 CB	9, 10, 12	29622	13.5	10	163.2	179.8	171.5
AgriGold A6633Bt	8, 9, 10	31242	13.8	1	162.6	--	--
AgriGold A6594Bt	10	29744	14.2	17	161.8	--	--
ASGROW RX754RR2	10	30122	13.7	5	161.6	--	--
Mycogen 2M797	6	28134	14.9	7	159.8	--	--
NuTech NT-4616 YGCB	5	31120	13.7	21	159.8	187.5*	173.7
Golden Harvest H-9190Hx	3, 5	30495	12.6	4	159.5	--	--
Garst 8294YG1/IT	6	29753	13.3	2	159.2	--	--
NK Brand N70-T9	6	31364	12.1	6	159.2	172.0	165.6
Kruger 0615	2, 6, 9	31245	14.0	7	158.3	--	--
Stone HC 8R533	9	31242	11.5	0	158.0	--	--

TABLE 14. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	2 Yr. Mean
Kruger 2414RR/YGCB	2, 6, 9	30990	13.0	0	158.0	--	--
Lewis 7065 CB/RR	9, 10, 12	30994	13.9	1	157.8	--	--
Kruger 5613YGCB	2, 9, 10	29749	12.4	9	157.8	--	--
Dyna-Gro 57P01	10	30370	12.6	4	157.7	--	--
Mersch. M-509A-1	1, 4, 10, 12	27881	14.3	3	157.2	--	--
Laser L-9H93BT	3, 5	27509	14.0	4	157.0	--	--
Lewis 5343 CB	9, 10, 12	31370	12.3	6	156.6	197.1*	176.9
Pioneer 33D13	2, 9, 10	29622	12.2	0	156.4	--	--
Mersch. M-612D-1	1, 4, 10, 12	30498	13.4	1	155.8	202.6*	179.2
MFA MORCORN XP166	10	30246	11.9	1	155.5	--	--
Kruger 5310YGCB	2, 6, 9	31371	11.6	5	155.1	--	--
NK Brand N65-C5	6	30867	10.8	6	153.6	186.6	170.1
Midland MG 7A58BT/RR	10	28011	14.5	28	153.6	183.9	168.8
Wyffels W7123	2, 7, 9, 10	30244	11.2	4	153.0	--	--
NK Brand N68-B8	6	30998	11.1	0	152.9	--	--
Willcross 3137X3LCB	10	30497	11.0	2	152.4	--	--
NK Brand N72-G8	6	30876	13.4	5	152.4	--	--
Dyna-Gro 57F06	10	30498	11.6	4	152.0	--	--
MFA MORCORN MC4173 RR/CB	5	30738	12.6	3	151.9	--	--
DEKALB DKC61-72 (RR2)	10	32113	10.7	5	151.9	192.1*	172.0
Kruger 9115RR/YGCB	2, 6, 9	30991	11.4	5	151.8	--	--
Laser L-9H63BT	3, 5	29254	11.1	1	151.5	--	--
Kruger 5416YGCB	2, 6, 9	30366	14.6	3	150.1	186.9	168.5
Willcross 3127X4CB	10	30368	13.5	3	149.4	--	--
Dyna-Gro 57P12	10	31247	14.5	27	149.3	--	--
MFA MORCORN MC4474 CB	5	31863	11.6	6	148.8	162.7	155.8
Garst 8452CB/LL	6	30243	11.3	2	148.6	--	--
Mersch. M-613B-1	1, 4, 10, 12	29750	15.4	9	148.3	--	--
Kruger 9212RR/YGCB	2, 6, 9	29999	11.0	1	148.2	--	--
Fontanelle 8R403	9, 10	30623	13.9	2	147.6	--	--
Garst 8247YG1	6	31118	16.5	2	147.1	--	--
AgriGold A6585Bt	8, 9, 10	30872	12.3	3	146.1	--	--
Fontanelle 7951	9, 10	29254	11.2	0	145.5	--	--
Kruger 0612	2, 6, 9	29621	11.6	0	145.2	--	--
NC+ 4947RB	6	30868	11.4	23	144.3	--	--
Laser L-8H21RR	3, 5	30998	12.7	4	143.1	--	--
Burrus 572RWR	10, 12	31864	12.2	1	141.8	--	--
Wyffels W7383	2, 7, 9, 10	29756	11.5	13	141.4	--	--
Burrus 794S	1, 4, 10, 12	30493	14.2	19	137.2	--	--
Midland MG 7A53BT	10	30249	10.8	21	135.1	192.6*	163.9
Fontanelle 7931	9, 10	30616	12.4	4	133.4	--	--
Dyna-Gro 57F37	10	29376	15.5	42	132.9	203.1**	168.0
Midland MG 7A28BT/RR	10	28878	13.2	2	130.1	--	--
Kruger 2517RR/YGCB	2, 6, 9	30621	14.7	42	127.2	--	--
Kruger 0313	2, 9, 10	29374	11.7	15	125.0	--	--
Pioneer 33A87	2, 9, 10	31119	13.4	0	124.4	--	--
Kruger 5315BTL LB	2, 6, 9	30118	13.0	0	122.0	--	--
Garst 8350YG1	6	32237	12.2	46	87.0	168.4	127.7
TEST AVERAGE		30461	12.9	6	158.7	180.4	169.6
L.S.D. AT .10		1816	1.1	18	21.8	15.7	
C.V. %		4.4	6.1		9.8	6.1	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 15. Non-Irrigated Corn Test

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.2, OM=1.6%, P=70, K=322

European Corn Borer Rating: Damaged Plants= 4%, Tunnel Length/Plant= 0.1 in.

Rainfall: Apr.=2.1, May=3.2, June=3.8, July=3.0, Aug.=4.7 Total=16.8 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Kruger 5310YGCB	2, 6, 9	28474	11.1	10	155.0**	--	--
DEKALB DKC61-72 (RR2)	10	26695	11.3	1	154.9*	86.2	120.6
ASGROW RX785RR2/YGCB	10	27703	11.4	0	154.9*	--	--
Wyffels W8603	2, 7, 9, 10	26592	11.7	23	154.2*	--	--
DEKALB DKC64-27 (RR2)	10	29091	13.7	5	154.0*	--	--
Garst 8452CB/LL	6	27395	12.0	1	152.9*	--	--
Lewis 7044 CB	9, 10, 12	26697	12.1	25	151.3*	92.5	121.9
Pioneer 32B81	2, 9, 10	29273	13.1	25	151.0*	--	--
Stone HC 7R667	9	28989	11.3	7	150.0*	--	--
Lewis 4886 PL	9, 10, 12	28603	11.6	15	149.4*	--	--
ASGROW RX754RR2	10	27083	14.0	0	149.2*	--	--
Kruger 5613YGCB	2, 9, 10	25203	11.7	12	149.2*	--	--
Burrus 572RWR	10, 12	27331	12.5	1	149.0*	--	--
Pioneer 33A87	2, 9, 10	25238	18.4	3	148.9*	--	--
Mersch. M-314A-1	1, 4, 10, 12	28778	11.9	11	148.9*	92.0	120.5
Wyffels W7123	2, 7, 9, 10	24855	11.3	4	148.4*	--	--
Kruger 5313YGCB	2, 6, 9	28014	11.4	6	148.2*	--	--
Stone HC 8N206	9	27207	11.1	3	148.1*	--	--
Laser L-9H93BT	3, 5	26229	11.7	24	147.4*	--	--
Pioneer 33T56	2, 9, 10	27799	11.4	0	147.1*	--	--
Dyna-Gro 57P12	10	27529	13.9	16	146.9*	--	--
Burrus 794S	1, 4, 10, 12	29350	11.1	24	146.5*	--	--
Mycogen 2T780	6	27137	11.3	41	146.2*	--	--
NK Brand N65-C5	6	25649	10.8	6	145.9*	89.5	117.7
Dyna-Gro 57F06	10	28010	11.2	1	145.6*	--	--
Kruger 8414HX	2, 6, 9	27752	11.3	15	145.5*	--	--
NC+ 4947RB	6	29980	11.6	1	145.4*	--	--
Midland MG 7A53BT	10	27132	12.4	13	144.5*	99.9*	122.2
Pfister 3356RR-Bt	9, 10	28007	12.3	12	144.4*	--	--
Kruger 5517YGCB	2, 6, 9	28376	13.1	18	144.0*	89.8	116.9
NK Brand N76-D3	6	28931	11.3	1	143.8*	88.0	115.9
Burrus 492S	1, 4, 10, 12	28408	11.6	5	143.6*	--	--
MFA MORCORN MC4474 CB	5	26624	12.3	1	143.5*	87.1	115.3
Kruger 2517RR/YGCB	2, 6, 9	28980	12.5	30	143.0*	--	--
Mycogen 2C727	6	28880	12.3	2	142.7*	--	--
Willcross 3194CB	10	28516	11.7	29	142.7*	--	--
NC+ 4973RB	6	25210	12.2	1	142.6*	--	--
LG 2625Bt	2, 8, 9, 10	28813	11.4	12	142.5*	70.5	106.5
Fontanelle 7931	9, 10	27067	11.7	3	142.3*	--	--
NuTech NT-2114 HX	9, 10	28563	11.5	21	142.1*	--	--
AgriGold A6585Bt	8, 9, 10	28224	11.7	3	141.8*	--	--
Midland MG 436BT	10	26456	11.1	22	140.9*	--	--
Pioneer 33K40	2, 9, 10	29515	16.9	1	140.8*	--	--
Lewis 5343 CB	9, 10, 12	26804	11.3	14	140.5*	92.0	116.3
Pioneer 34P89	2, 7, 9, 10	23992	13.2	2	140.2*	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	27481	12.1	6	140.2*	--	--
MFA MORCORN MC4173 RR/CB	5	26348	11.8	6	140.1*	--	--
NuTech NT-4616 YGCB	5	27535	12.5	28	140.0*	87.2	113.6
Laser L-8H21RR	3, 5	27735	11.1	2	140.0*	--	--
Midland MG 7A58BT/RR	10	25298	12.2	23	139.9*	95.2	117.6
Fontanelle 8R403	9, 10	27368	13.7	0	139.9*	--	--
Kruger 8616HX	2, 6, 9	26794	12.6	19	138.2	--	--

TABLE 15. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
NK Brand N70-T9	6	26867	11.4	12	138.0	85.5	111.8
Golden Harvest H-9190Hx	3, 5	27778	12.8	25	138.0	--	--
Laser L-9H63BT	3, 5	26370	11.4	18	137.9	--	--
Pioneer 33D13	2, 9, 10	26466	14.8	0	137.7	--	--
Kruger 9313RR/YGCB	2, 6, 9	28509	11.1	8	137.7	--	--
NK Brand N68-B8	6	29261	11.4	1	137.4	--	--
ASGROW RX715RR2/YGCB	10	29834	11.2	3	137.4	--	--
Garst 8247YG1	6	27524	17.7	1	137.1	--	--
Kruger 0612	2, 6, 9	27844	10.7	27	136.6	--	--
Fontanelle 7951	9, 10	25386	12.3	0	136.6	--	--
Dyna-Gro 57P01	10	26652	11.2	4	136.0	--	--
Kruger 9115RR/YGCB	2, 6, 9	28278	12.1	8	135.9	--	--
Stone HC 7N412	9	28660	11.0	5	135.8	--	--
LG 2640Bt	2, 8, 9, 10	26727	11.8	1	135.8	68.6	102.2
Mersch. M-509A-1	1, 4, 10, 12	26784	12.6	6	135.6	--	--
AgriGold A6633Bt	8, 9, 10	27719	11.8	15	135.5	--	--
Mersch. M-711E-1	1, 4, 10, 12	25586	11.5	31	135.3	--	--
Mersch. M-512C-1	1, 4, 10, 12	29521	11.5	29	135.2	83.8	109.5
Wyffels W7383	2, 7, 9, 10	28518	11.6	7	135.2	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	28123	10.9	7	135.0	--	--
Midland MG 7A28BT/RR	10	25431	13.1	16	133.8	--	--
Mycogen 2M797	6	28976	15.6	2	133.5	--	--
Kruger 9212RR/YGCB	2, 6, 9	27255	11.9	37	133.5	--	--
Garst 8350YG1	6	27234	11.8	2	133.1	70.0	101.6
AgriGold A6594Bt	10	25404	11.8	28	132.3	--	--
Kruger 5514YGCB	2, 6, 9	28129	10.9	25	131.5	84.7	108.1
Mersch. M-612D-1	1, 4, 10, 12	29415	11.2	17	131.1	88.9	110.0
Lewis 7065 CB/RR	9, 10, 12	28222	13.8	23	130.9	--	--
MFA MORCORN XP160	10	29102	12.0	18	130.8	--	--
Willcross 3137X3LCB	10	24752	11.4	0	129.6	--	--
Garst 8294YG1/IT	6	26470	18.1	1	128.8	--	--
Stone HC 8R533	9	28210	11.9	1	128.3	--	--
Kruger 0615	2, 6, 9	27667	12.3	28	127.5	--	--
LG 2615	2, 9, 10	27568	11.6	13	127.2	--	--
Willcross 3127X1CB	10	26535	12.0	2	126.7	--	--
MFA MORCORN XP166	10	27379	11.7	10	126.6	--	--
Dyna-Gro 57F37	10	26201	11.7	23	126.4	79.4	102.9
Midland MG 617BT	10	26040	13.6	23	126.2	--	--
NuTech NT-4213 YGCB	5	27980	14.0	4	126.2	--	--
Kruger 2414RR/YGCB	2, 6, 9	27522	11.2	17	125.9	--	--
Kruger 0313	2, 9, 10	28497	11.6	24	123.0	--	--
Willcross 3127X4CB	10	28214	11.9	8	122.8	--	--
NK Brand N72-G8	6	25984	11.1	10	122.0	--	--
Willcross 3125CBRR	10	29139	12.5	71	121.9	--	--
Kruger 5416YGCB	2, 6, 9	28576	11.9	11	120.6	85.5	103.1
Wyffels W8720	2, 7, 9, 10	28035	11.8	3	119.6	73.9	96.8
Mersch. M-613B-1	1, 4, 10, 12	29168	11.5	4	118.8	--	--
Kruger 5315BTLLB	2, 6, 9	28253	11.4	5	114.4	--	--
TEST AVERAGE		27535	12.2	12	138.6	85.9	112.3
L.S.D. AT .10		2267	1.7	20	15.1	12.0	
C.V. %		5.9	10.6		7.8	9.8	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 16. **Non-Irrigated Corn Test**

Central Region: Truxton, MO (Montgomery County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.1, OM=1.7%, P=82, K=218

European Corn Borer Rating: Damaged Plants= 12%, Tunnel Length/Plant= 1.0 in.

Rainfall: Apr.=1.9, May=4.5, June=7.7, July=3.6, Aug.=4.0 Total=21.7 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 bu/acre	2005 bu/acre	2 Yr. Mean
Stone HC 8N206	9	29591	20.3	0	157.9**	--	--
Kruger 5310YGCB	2, 6, 9	30412	17.3	7	154.7*	--	--
DEKALB DKC64-27 (RR2)	10	29911	22.0	0	153.6*	--	--
Pioneer 33T56	2, 9, 10	29777	21.3	0	153.5*	--	--
Stone HC 7R667	9	29271	19.7	0	153.0*	--	--
Pioneer 33A87	2, 9, 10	28379	24.4	0	151.8*	--	--
Mycogen 2C727	6	29398	18.1	1	150.9*	--	--
Burrus 572RWR	10, 12	29979	21.0	2	150.4*	--	--
Garst 8452CB/LL	6	28091	21.8	1	150.2*	--	--
ASGROW RX785RR2/YGCB	10	29823	20.5	0	149.7*	--	--
NK Brand N76-D3	6	29175	20.0	0	149.1*	70.7	109.9
Burrus 492S	1, 4, 10, 12	28590	18.4	1	148.8*	--	--
NK Brand N68-B8	6	28644	17.3	0	148.6*	--	--
Garst 8294YG1/IT	6	28851	25.5	1	147.7*	--	--
Fontanelle 8R403	9, 10	29163	22.3	1	147.7*	--	--
Pioneer 33K40	2, 9, 10	29957	24.6	6	146.3	--	--
NK Brand N72-G8	6	28757	16.2	0	146.0	--	--
Pioneer 32B81	2, 9, 10	29660	22.8	2	145.4	--	--
Dyna-Gro 57P01	10	28572	19.8	1	145.1	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	29295	17.8	1	145.0	--	--
NC+ 4973RB	6	29171	18.8	3	144.8	--	--
NC+ 4947RB	6	30626	19.2	5	144.7	--	--
LG 2625Bt	2, 8, 9, 10	29731	17.6	1	144.3	70.7	107.5
Kruger 2517RR/YGCB	2, 6, 9	30611	23.6	25	144.0	--	--
ASGROW RX754RR2	10	28931	21.1	1	143.8	--	--
Wyffels W8603	2, 7, 9, 10	27635	22.6	10	143.6	--	--
Midland MG 436BT	10	28935	16.9	4	143.4	--	--
Pioneer 33D13	2, 9, 10	29197	23.3	0	143.2	--	--
NK Brand N70-T9	6	28487	18.6	0	143.1	63.6	103.4
AgriGold A6633Bt	8, 9, 10	29382	19.2	17	142.8	--	--
Kruger 5313YGCB	2, 6, 9	28428	18.4	0	142.6	--	--
MFA MORCORN XP166	10	30233	20.7	0	142.6	--	--
AgriGold A6585Bt	8, 9, 10	29763	20.6	1	142.4	--	--
DEKALB DKC61-72 (RR2)	10	28782	21.3	0	142.4	79.3*	110.9
Midland MG 7A53BT	10	29380	18.2	3	142.2	78.0*	110.1
Mersch. M-612D-1	1, 4, 10, 12	29060	18.1	1	142.0	77.1	109.6
Lewis 7044 CB	9, 10, 12	29025	23.1	12	141.6	61.8	101.7
Garst 8247YG1	6	30235	23.8	0	141.5	--	--
Laser L-9H93BT	3, 5	29530	20.9	11	140.6	--	--
Wyffels W7123	2, 7, 9, 10	28746	17.5	0	140.4	--	--
Wyffels W7383	2, 7, 9, 10	29768	18.4	7	140.3	--	--
Kruger 0615	2, 6, 9	30472	18.9	11	140.2	--	--
Mersch. M-711E-1	1, 4, 10, 12	27580	18.0	2	140.1	--	--
Willcross 3137X3LCB	10	29905	18.8	1	140.1	--	--
Kruger 5416YGCB	2, 6, 9	31159	21.8	2	140.1	77.8	109.0
Pioneer 34P89	2, 7, 9, 10	26655	19.1	0	140.0	--	--
Midland MG 7A58BT/RR	10	27389	23.2	5	139.7	68.0	103.9
Kruger 0612	2, 6, 9	28575	17.8	4	139.7	--	--
Mycogen 2T780	6	29433	18.0	2	139.0	--	--
Mersch. M-314A-1	1, 4, 10, 12	29043	22.1	6	139.0	63.9	101.5
NuTech NT-4213 YGCB	5	28246	21.1	0	138.9	--	--
NK Brand N65-C5	6	29710	18.2	3	138.4	77.9*	108.2

TABLE 16. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Kruger 9313RR/YGCB	2, 6, 9	29858	19.6	0	138.3	--	--
Lewis 4886 PL	9, 10, 12	29200	18.0	6	138.2	--	--
Dyna-Gro 57P12	10	29131	22.6	9	138.2	--	--
Laser L-8H21RR	3, 5	29119	19.7	2	138.0	--	--
Mersch. M-512C-1	1, 4, 10, 12	29441	19.6	1	138.0	71.4	104.7
NuTech NT-2114 HX	9, 10	29410	18.4	3	137.8	--	--
AgriGold A6594Bt	10	30114	19.1	4	137.2	--	--
Stone HC 7N412	9	29056	19.7	3	137.1	--	--
Willcross 3127X1CB	10	28760	18.8	1	137.0	--	--
Midland MG 617BT	10	28424	20.4	5	137.0	--	--
Mersch. M-509A-1	1, 4, 10, 12	29573	22.0	3	137.0	--	--
Willcross 3125CBRR	10	29680	19.1	3	136.8	--	--
Mycogen 2M797	6	28509	23.7	0	136.6	--	--
LG 2640Bt	2, 8, 9, 10	30202	20.6	0	136.0	63.4	99.7
Kruger 5514YGCB	2, 6, 9	30360	18.4	2	135.1	74.8	105.0
Pfister 3356RR-Bt	9, 10	28742	21.9	19	134.9	--	--
Fontanelle 7951	9, 10	28668	20.1	4	134.8	--	--
Kruger 5315BTLLB	2, 6, 9	28143	22.3	1	134.8	--	--
Lewis 7065 CB/RR	9, 10, 12	28773	22.2	31	134.7	--	--
Burrus 794S	1, 4, 10, 12	28248	23.8	25	134.4	--	--
Laser L-9H63BT	3, 5	29545	21.2	9	134.3	--	--
Kruger 5517YGCB	2, 6, 9	29230	22.6	35	134.2	66.2	100.2
DEKALB DKC63-46 (RR2/YGCB)	10	31032	20.5	0	134.2	--	--
Kruger 9212RR/YGCB	2, 6, 9	29577	18.0	5	134.1	--	--
Golden Harvest H-9190Hx	3, 5	27887	18.5	7	133.7	--	--
Dyna-Gro 57F06	10	29269	19.0	24	133.5	--	--
Dyna-Gro 57F37	10	27541	20.6	0	133.4	73.6	103.5
Lewis 5343 CB	9, 10, 12	28978	19.2	0	133.4	84.1*	108.8
Fontanelle 7931	9, 10	29913	22.8	26	133.4	--	--
Kruger 8414HX	2, 6, 9	29772	17.8	2	133.0	--	--
Kruger 0313	2, 9, 10	28927	22.1	1	133.0	--	--
NuTech NT-4616 YGCB	5	28905	22.6	41	132.7	63.6	98.1
Kruger 5613YGCB	2, 9, 10	29001	19.6	7	132.6	--	--
MFA MORCORN XP160	10	30191	20.2	5	132.5	--	--
MFA MORCORN MC4173 RR/CB	5	28717	19.8	0	131.9	--	--
Garst 8350YG1	6	28830	22.5	1	131.4	61.1	96.3
Willcross 3194CB	10	29851	21.9	31	131.0	--	--
Stone HC 8R533	9	30275	20.2	0	130.6	--	--
ASGROW RX715RR2/YGCB	10	31105	20.7	2	130.5	--	--
Midland MG 7A28BT/RR	10	25724	22.1	16	128.0	--	--
LG 2615	2, 9, 10	28728	18.3	1	127.6	--	--
Kruger 8616HX	2, 6, 9	29940	19.2	1	127.3	--	--
MFA MORCORN MC4474 CB	5	28124	23.7	38	126.5	52.9	89.7
Willcross 3127X4CB	10	29939	19.2	4	124.7	--	--
Kruger 2414RR/YGCB	2, 6, 9	29458	19.9	4	124.6	--	--
Kruger 9115RR/YGCB	2, 6, 9	30453	23.0	2	123.0	--	--
Wyffels W8720	2, 7, 9, 10	28648	19.5	0	119.4	67.7	93.6
Mersch. M-613B-1	1, 4, 10, 12	29675	20.6	1	113.4	--	--
TEST AVERAGE		29218	20.4	6	139.0	69.8	104.4
L.S.D. AT .10		1875	1.6	12	10.9	11.8	
C.V. %		4.6	5.5		5.5	12.0	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 17. Non-Irrigated Corn Test

Central Region: Annada, MO (Pike County)

Soil Type: Tice Silt Loam Soil Test: pH=6.2, OM=1.9%, P=56, K=194

European Corn Borer Rating: Damaged Plants= 82%, Tunnel Length/Plant= 4.4 in.

Rainfall: Apr.=2.2, May=3.2, June=2.7, July=3.0, Aug.=2.7 Total=13.8 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Laser L-9H93BT	3, 5	29943	18.0	14	241.2**	--	--
AgriGold A6594Bt	10	29426	17.8	6	240.4*	--	--
Mersch. M-512C-1	1, 4, 10, 12	30467	18.0	5	239.3*	148.1	193.7
ASGROW RX785RR2/YGCB	10	30433	17.0	5	231.6*	--	--
Pioneer 33K40	2, 9, 10	29740	18.4	12	228.7*	--	--
Stone HC 8N206	9	30230	17.4	1	228.4*	--	--
ASGROW RX715RR2/YGCB	10	32425	17.3	16	227.9*	--	--
Garst 8350YG1	6	31714	17.6	3	227.8*	166.0*	196.9
AgriGold A6633Bt	8, 9, 10	30527	17.9	18	225.4*	--	--
Garst 8247YG1	6	30668	18.6	17	225.4*	--	--
NK Brand N76-D3	6	30877	17.9	10	222.6*	165.4*	194.0
DEKALB DKC63-46 (RR2/YGCB)	10	30970	17.4	0	221.6*	--	--
Mycogen 2M797	6	29912	18.6	5	219.8*	--	--
Pfister 3356RR-Bt	9, 10	30288	18.3	22	218.2*	--	--
Midland MG 436BT	10	29697	17.4	12	217.3*	--	--
Willcross 3127X4CB	10	29711	17.4	5	215.3*	--	--
Dyna-Gro 57F06	10	30867	17.5	7	213.4	--	--
Wyffels W8603	2, 7, 9, 10	29639	18.6	22	213.0	--	--
Garst 8452CB/LL	6	28574	17.5	8	211.3	--	--
Fontanelle 7931	9, 10	29713	17.7	6	210.9	--	--
Pioneer 34P89	2, 7, 9, 10	29596	17.5	7	210.8	--	--
Kruger 2517RR/YGCB	2, 6, 9	30082	18.0	32	210.1	--	--
Lewis 5343 CB	9, 10, 12	30716	17.2	15	210.0	168.7*	189.4
LG 2625Bt	2, 8, 9, 10	30218	17.6	6	209.7	157.2	183.5
Lewis 7044 CB	9, 10, 12	29084	17.8	26	209.4	171.1*	190.3
NuTech NT-2114 HX	9, 10	30254	17.8	16	208.1	--	--
Burrus 794S	1, 4, 10, 12	30551	18.0	9	207.3	--	--
Stone HC 7N412	9	30877	17.8	16	206.9	--	--
Kruger 8414HX	2, 6, 9	29512	17.6	19	206.8	--	--
Kruger 9313RR/YGCB	2, 6, 9	30965	17.5	7	206.2	--	--
Dyna-Gro 57P01	10	29795	16.8	9	206.1	--	--
Kruger 5613YGCB	2, 9, 10	30626	17.4	9	206.0	--	--
Pioneer 33A87	2, 9, 10	30151	18.0	4	205.7	--	--
NuTech NT-4213 YGCB	5	30673	17.7	3	205.4	--	--
Midland MG 617BT	10	28425	18.0	7	204.2	--	--
Kruger 8616HX	2, 6, 9	32054	17.7	19	203.6	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	30362	16.6	15	203.4	--	--
Golden Harvest H-9190Hx	3, 5	30360	17.7	13	202.9	--	--
Kruger 5416YGCB	2, 6, 9	29950	17.5	5	202.8	151.5	177.2
Wyffels W7383	2, 7, 9, 10	30613	16.8	16	202.7	--	--
Lewis 7065 CB/RR	9, 10, 12	30934	18.2	20	202.4	--	--
Midland MG 7A58BT/RR	10	27140	17.9	19	201.3	159.0	180.2
Kruger 9115RR/YGCB	2, 6, 9	30974	17.8	24	201.3	--	--
Midland MG 7A53BT	10	30144	16.8	11	201.2	161.6*	181.4
Laser L-9H63BT	3, 5	28677	17.3	13	200.2	--	--
Lewis 4886 PL	9, 10, 12	31126	17.0	22	198.8	--	--
NC+ 4973RB	6	30433	17.4	13	198.7	--	--
NK Brand N70-T9	6	30785	18.1	4	198.4	156.9	177.7
DEKALB DKC64-27 (RR2)	10	31358	16.6	18	197.9	--	--
Mersch. M-314A-1	1, 4, 10, 12	29170	18.0	19	197.6	168.3*	183.0
ASGROW RX754RR2	10	30470	16.6	7	197.5	--	--
Kruger 5517YGCB	2, 6, 9	31346	18.7	5	197.4	151.7	174.6

TABLE 17. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	2 Yr. Mean
Kruger 2414RR/YGCB	2, 6, 9	30925	17.5	24	197.0	--	--
Fontanelle 7951	9, 10	29050	17.3	15	197.0	--	--
Kruger 5313YGCB	2, 6, 9	30022	16.8	7	196.9	--	--
Kruger 5514YGCB	2, 6, 9	31719	17.4	1	196.8	147.8	172.3
MFA MORCORN MC4173 RR/CB	5	29648	17.3	14	196.8	--	--
MFA MORCORN MC4474 CB	5	30953	17.4	18	195.8	163.5*	179.7
NC+ 4947RB	6	30651	17.1	28	195.3	--	--
Pioneer 33D13	2, 9, 10	30912	17.7	4	195.0	--	--
LG 2640Bt	2, 8, 9, 10	29840	17.7	21	194.9	141.8	168.4
Willcross 3125CBRR	10	30833	17.9	3	194.7	--	--
Willcross 3194CB	10	30630	18.2	16	193.4	--	--
LG 2615	2, 9, 10	29524	17.3	5	193.0	--	--
Kruger 5310YGCB	2, 6, 9	30594	17.5	25	192.6	--	--
NuTech NT-4616 YGCB	5	31224	18.2	36	192.5	154.6	173.6
Wyffels W7123	2, 7, 9, 10	28241	17.6	12	192.1	--	--
Mersch. M-509A-1	1, 4, 10, 12	29919	17.2	5	191.7	--	--
NK Brand N68-B8	6	30702	16.6	5	191.7	--	--
Dyna-Gro 57F37	10	30465	18.3	1	190.0	161.6*	175.8
MFA MORCORN XP166	10	30060	17.0	11	189.5	--	--
Mersch. M-711E-1	1, 4, 10, 12	29436	16.8	27	189.4	--	--
Willcross 3127X1CB	10	30295	17.4	12	189.0	--	--
Midland MG 7A28BT/RR	10	29910	17.7	29	188.8	--	--
Mycogen 2C727	6	31372	17.0	30	188.7	--	--
Kruger 9212RR/YGCB	2, 6, 9	30065	17.2	13	187.4	--	--
MFA MORCORN XP160	10	30391	17.8	11	185.4	--	--
Stone HC 8R533	9	31757	17.5	11	185.0	--	--
Fontanelle 8R403	9, 10	29213	17.4	24	184.8	--	--
Pioneer 32B81	2, 9, 10	29488	17.4	16	183.3	--	--
Wyffels W8720	2, 7, 9, 10	30671	17.7	11	183.0	151.1	167.1
Kruger 5315BTLLB	2, 6, 9	27901	17.7	0	182.8	--	--
Mycogen 2T780	6	30630	18.7	28	181.7	--	--
Laser L-8H21RR	3, 5	31164	16.8	15	181.5	--	--
Kruger 0615	2, 6, 9	30443	17.8	20	180.7	--	--
Mersch. M-612D-1	1, 4, 10, 12	30834	17.2	11	176.8	154.2	165.5
Burrus 492S	1, 4, 10, 12	27202	17.0	19	176.6	--	--
Kruger 0612	2, 6, 9	30723	16.2	7	175.3	--	--
NK Brand N72-G8	6	30668	16.2	21	174.2	--	--
DEKALB DKC61-72 (RR2)	10	31286	15.2	24	173.5	164.0*	168.8
Willcross 3137X3LCB	10	29904	14.7	19	173.2	--	--
Burrus 572RWR	10, 12	30788	17.2	16	170.4	--	--
Pioneer 33T56	2, 9, 10	30532	16.5	6	168.8	--	--
Kruger 0313	2, 9, 10	30192	17.1	0	167.1	--	--
Dyna-Gro 57P12	10	30518	18.5	19	166.0	--	--
AgriGold A6585Bt	8, 9, 10	30321	17.9	0	165.5	--	--
Mersch. M-613B-1	1, 4, 10, 12	30206	18.1	6	163.8	--	--
NK Brand N65-C5	6	30972	15.9	10	159.0	156.4	157.7
Stone HC 7R667	9	31135	14.8	22	156.6	--	--
Garst 8294YG1/IT	6	29893	20.0	35	149.5	--	--
TEST AVERAGE		30271	17.5	13	197.9	154.7	176.3
L.S.D. AT .10		1195	0.7	19	27.7	15.1	
C.V. %		2.8	3.0		10.1	6.8	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 18. Performance Summary for Non-Irrigated Hybrids evaluated at Five Central Missouri locations (Henrietta, Marshall, Columbia, Truxton, Annada) during 2006.

Brand-Hybrid	Yield (Bu/Acre)					
	Henrietta	Marshall	Columbia	Truxton	Annada	Mean
Non-Irrigated						
NK Brand N76-D3	233.8**	183.7*	143.8*	149.1*	222.6*	186.6**
Mersch. M-512C-1	215.3*	193.6**	135.2	138.0	239.3*	184.3*
Stone HC 8N206	203.4	171.2	148.1*	157.9**	228.4*	181.8*
ASGROW RX785RR2/YGCB	189.1	178.1*	154.9*	149.7*	231.6*	180.7*
Pioneer 33K40	215.6*	170.0	140.8*	146.3	228.7*	180.3*
ASGROW RX715RR2/YGCB	221.8*	182.6*	137.4	130.5	227.9*	180.0*
Laser L-9H93BT	212.3*	157.0	147.4*	140.6	241.2**	179.7*
Lewis 7044 CB	231.2*	163.2	151.3*	141.6	209.4	179.3*
DEKALB DKC64-27 (RR2)	218.2*	172.1*	154.0*	153.6*	197.9	179.2*
Midland MG 436BT	212.0*	182.2*	140.9*	143.4	217.3*	179.2*
DEKALB DKC63-46 (RR2/YGCB)	226.9*	173.9*	135.0	134.2	221.6*	178.3*
Pfister 3356RR-Bt	219.4*	174.7*	144.4*	134.9	218.2*	178.3*
Kruger 8414HX	231.9*	164.8	145.5*	133.0	206.8	176.4
AgriGold A6633Bt	213.1*	162.6	135.5	142.8	225.4*	175.9
Kruger 5310YGCB	221.8*	155.1	155.0**	154.7*	192.6	175.8
Pioneer 34A16 (HX1/LL)	207.3	180.4*	140.2*	145.0	203.4	175.2
Garst 8452CB/LL	212.4*	148.6	152.9*	150.2*	211.3	175.1
Lewis 4886 PL	216.6*	171.2	149.4*	138.2	198.8	174.8
NuTech NT-2114 HX	212.9*	173.1*	142.1*	137.8	208.1	174.8
Kruger 8616HX	219.8*	185.0*	138.2	127.3	203.6	174.8
Garst 8247YG1	222.4*	147.1	137.1	141.5	225.4*	174.7
Mycogen 2C727	218.4*	172.8*	142.7*	150.9*	188.7	174.7
Stone HC 7N412	217.0*	173.8*	135.8	137.1	206.9	174.1
Mersch. M-314A-1	212.4*	170.3	148.9*	139.0	197.6	173.6
Dyna-Gro 57F06	223.6*	152.0	145.6*	133.5	213.4	173.6
Kruger 5517YGCB	224.3*	167.0	144.0*	134.2	197.4	173.4
Pioneer 32B81	215.1*	171.6	151.0*	145.4	183.3	173.3
AgriGold A6594Bt	194.0	161.8	132.3	137.2	240.4*	173.1
LG 2625Bt	187.5	181.1*	142.5*	144.3	209.7	173.0
Wyffels W8603	186.2	167.3	154.2*	143.6	213.0	172.9
Mycogen 2M797	214.4*	159.8	133.5	136.6	219.8*	172.8
Pioneer 34P89	196.9	175.0*	140.2*	140.0	210.8	172.6
ASGROW RX754RR2	208.6	161.6	149.2*	143.8	197.5	172.1
NC+ 4973RB	203.2	169.5	142.6*	144.8	198.7	171.8
Midland MG 617BT	216.3*	174.0*	126.2	137.0	204.2	171.5
Golden Harvest H-9190Hx	222.7*	159.5	138.0	133.7	202.9	171.4
Kruger 5613YGCB	207.7	157.8	149.2*	132.6	206.0	170.7
NC+ 4947RB	223.2*	144.3	145.4*	144.7	195.3	170.6
Dyna-Gro 57P01	207.8	157.7	136.0	145.1	206.1	170.5
Kruger 5313YGCB	199.4	164.9	148.2*	142.6	196.9	170.4
Lewis 5343 CB	210.9*	156.6	140.5*	133.4	210.0	170.3
Mycogen 2T780	215.8*	168.7	146.2*	139.0	181.7	170.3
Midland MG 7A58BT/RR	216.1*	153.6	139.9*	139.7	201.3	170.1
Willcross 3194CB	214.5*	168.7	142.7*	131.0	193.4	170.0
NuTech NT-4616 YGCB	224.4*	159.8	140.0*	132.7	192.5	169.9
NK Brand N68-B8	217.7*	152.9	137.4	148.6*	191.7	169.6
Burrus 492S	212.0*	163.6	143.6*	148.8*	176.6	168.9
Pioneer 33T56	206.6	168.5	147.1*	153.5*	168.8	168.9
Pioneer 33A87	211.4*	124.4	148.9*	151.8*	205.7	168.4

Table 18. Continued.

Brand-Hybrid	Yield (Bu/Acre)					Mean
	Henrietta	Marshall	Columbia	Truxton	Annada	
	Non-Irrigated					
NuTech NT-4213 YGCB	188.5	183.0*	126.2	138.9	205.4	168.4
Burrus 794S	216.1*	137.2	146.5*	134.4	207.3	168.3
Midland MG 7A53BT	217.9*	135.1	144.5*	142.2	201.2	168.2
Laser L-9H63BT	216.0*	151.5	137.9	134.3	200.2	168.0
Willcross 3127X1CB	211.5*	175.1*	126.7	137.0	189.0	167.9
Lewis 7065 CB/RR	213.2*	157.8	130.9	134.7	202.4	167.8
Mersch. M-509A-1	215.7*	157.2	135.6	137.0	191.7	167.4
Fontanelle 8R403	217.1*	147.6	139.9*	147.7*	184.8	167.4
Kruger 9313RR/YGCB	190.3	164.3	137.7	138.3	206.2	167.4
Stone HC 7R667	207.9	167.2	150.0*	153.0*	156.6	166.9
LG 2640Bt	197.9	167.8	135.8	136.0	194.9	166.5
DEKALB DKC61-72 (RR2)	209.6*	151.9	154.9*	142.4	173.5	166.4
Mersch. M-711E-1	201.0	164.6	135.3	140.1	189.4	166.1
Kruger 2517RR/YGCB	205.4	127.2	143.0*	144.0	210.1	165.9
MFA MORCORN MC4173 RR/CB	209.0*	151.9	140.1*	131.9	196.8	165.9
MFA MORCORN XP160	199.7	181.2*	130.8	132.5	185.4	165.9
Wyffels W7383	209.8*	141.4	135.2	140.3	202.7	165.9
Kruger 5416YGCB	214.4*	150.1	120.6	140.1	202.8	165.6
Burrus 572RWR	215.3*	141.8	149.0*	150.4*	170.4	165.4
Kruger 5514YGCB	183.6	179.5*	131.5	135.1	196.8	165.3
Pioneer 33D13	193.8	156.4	137.7	143.2	195.0	165.2
Fontanelle 7931	206.0	133.4	142.3*	133.4	210.9	165.2
Kruger 9212RR/YGCB	220.2*	148.2	133.5	134.1	187.4	164.7
Wyffels W7123	189.4	153.0	148.4*	140.4	192.1	164.6
Fontanelle 7951	204.6	145.5	136.6	134.8	197.0	163.7
MFA MORCORN MC4474 CB	203.4	148.8	143.5*	126.5	195.8	163.6
Kruger 0615	208.8*	158.3	127.5	140.2	180.7	163.1
Willcross 3137X3LCB	219.0*	152.4	129.6	140.1	173.2	162.9
NK Brand N70-T9	174.6	159.2	138.0	143.1	198.4	162.7
Kruger 2414RR/YGCB	207.3	158.0	125.9	124.6	197.0	162.6
Garst 8294YG1/IT	223.7*	159.2	128.8	147.7*	149.5	161.8
LG 2615	185.8	169.9	127.2	127.6	193.0	160.7
Dyna-Gro 57P12	200.9	149.3	146.9*	138.2	166.0	160.2
Kruger 9115RR/YGCB	188.5	151.8	135.9	123.0	201.3	160.1
MFA MORCORN XP166	183.9	155.5	126.6	142.6	189.5	159.6
Midland MG 7A28BT/RR	217.1*	130.1	133.8	128.0	188.8	159.6
NK Brand N65-C5	200.7	153.6	145.9*	138.4	159.0	159.5
Laser L-8H21RR	193.0	143.1	140.0*	138.0	181.5	159.1
Mersch. M-612D-1	189.8	155.8	131.1	142.0	176.8	159.1
AgriGold A6585Bt	199.6	146.1	141.8*	142.4	165.5	159.1
NK Brand N72-G8	199.1	152.4	122.0	146.0	174.2	158.7
Willcross 3125CBRR	159.9	174.3*	121.9	136.8	194.7	157.5
Garst 8350YG1	207.6	87.0	133.1	131.4	227.8*	157.4
Kruger 0612	186.5	145.2	136.6	139.7	175.3	156.7
Wyffels W8720	188.0	166.8	119.6	119.4	183.0	155.4
Stone HC 8R533	173.5	158.0	128.3	130.6	185.0	155.1
Dyna-Gro 57F37	191.9	132.9	126.4	133.4	190.0	154.9
Willcross 3127X4CB	160.8	149.4	122.8	124.7	215.3*	154.6
Kruger 5315BTLLB	189.9	122.0	114.4	134.8	182.8	148.8
Kruger 0313	191.7	125.0	123.0	133.0	167.1	148.0
Mersch. M-613B-1	191.4	148.3	118.8	113.4	163.8	147.1
TEST AVERAGE	206.6	158.7	138.6	139.0	197.9	168.2
L.S.D. AT .10	25.1	21.8	15.1	10.9	27.7	9.4
C.V. %	8.6	9.8	7.8	5.5	10.1	8.4

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

Note: To view seed treatments for these hybrids refer to the location table or the characteristics chart.

TABLE 19. Irrigated Corn Test

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=5.9, OM=1.7%, P=46, K=310

European Corn Borer Rating: Damaged Plants= 4%, Tunnel Length/Plant= 0.1 in.

Rainfall: Apr.=2.1, May=3.2, June=3.8, July=3.0, Aug.=4.7 Total=16.8 in.

Irrigation: 8.8 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Pioneer 33A87	2, 9, 10	34349	25.1	2	293.5**	--	--
Midland MG 7A58BT/RR	10	30268	24.8	0	276.2*	273.1*	274.7
Garst 8353CB/LL	6	31582	24.9	0	270.5*	--	--
Garst 8294YG1/IT	6	32043	27.8	0	270.0*	--	--
Wyffels W8603	2, 7, 9, 10	32424	24.0	10	268.3*	--	--
Willcross 3194CB	10	35317	24.5	12	268.2*	--	--
Fontanelle 8R403	9, 10	32343	23.7	1	268.0*	--	--
Taylor 990 RR/Bt	10	32988	24.0	15	265.1*	--	--
Midland MG 436BT	10	29871	23.0	5	262.1*	--	--
Rainbow 3105YGCB	9	31667	23.6	4	260.5*	263.3*	261.9
ASGROW RX785RR2/YGCB	10	34294	23.2	1	256.3	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	29700	22.7	3	255.3	--	--
Garst 8247YG1	6	32016	24.3	6	254.9	--	--
Rainbow 3120YGCB	9	31137	23.5	11	253.0	238.8	245.9
Mycogen 2T780	6	35221	22.5	8	252.7	--	--
Fontanelle 7951	9, 10	32139	24.4	1	252.3	258.8*	255.6
ASGROW RX715RR2/YGCB	10	33426	23.3	2	252.0	--	--
DEKALB DKC61-72 (RR2)	10	33416	24.5	2	251.8	261.9*	256.9
Golden Harvest H-9190Hx	3, 5	34309	21.6	10	250.7	--	--
Laser L-9H93BT	3, 5	32559	24.4	7	249.5	--	--
Mycogen 2A765	6	33501	21.8	2	245.7	--	--
Pioneer 33D13	2, 9, 10	32100	23.9	3	244.3	--	--
AgriGold A6594Bt	10	32631	22.4	4	243.9	--	--
Pioneer 34P89	2, 7, 9, 10	30792	23.2	7	243.7	--	--
Pioneer 32B81	2, 9, 10	31917	25.5	1	243.0	--	--
Pfister 3356RR-Bt	9, 10	31684	23.1	14	242.5	--	--
DEKALB DKC64-27 (RR2)	10	34377	23.0	4	242.5	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	32822	24.1	0	241.1	--	--
Mycogen 2M797	6	32523	24.6	0	238.4	--	--
Pioneer 31P41	2, 9, 10	32296	25.2	3	233.9	--	--
Pioneer 33T56	2, 9, 10	31854	23.6	0	233.1	--	--
Laser L-9H63BT	3, 5	28922	22.6	19	232.2	--	--
Fontanelle 7931	9, 10	31440	23.9	23	231.9	260.6*	246.3
Midland MG 617BT	10	31952	23.1	13	229.1	--	--
Willcross 3127X4CB	10	28992	24.0	2	229.0	--	--
Pioneer 33Y45	2, 7, 9, 10	35228	23.9	4	228.5	261.3*	244.9
AgriGold A6633Bt	8, 9, 10	31866	22.6	9	228.3	--	--
ASGROW RX754RR2	10	31576	23.0	2	228.0	--	--
AgriGold A6585Bt	8, 9, 10	34545	23.2	8	226.8	--	--
Golden Harvest H-9006Bt	3, 5	34197	21.3	38	226.5	249.1	237.8
Willcross 3107X4RW	10	31229	23.1	5	226.2	--	--
Mycogen 2C727	6	29253	22.7	13	225.8	--	--
Pfister 2730RR-Bt	9, 10	30015	23.2	0	225.0	--	--
Willcross 3127X6	10	30792	25.8	2	224.6	--	--
Willcross 3127X1CB	10	33742	21.9	12	223.8	--	--

TABLE 19. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
Wyffels W7383	2, 7, 9, 10	35236	20.5	18	223.8	--	--
Rainbow X1145YGCB	9	31926	22.5	2	222.8	--	--
Laser L-8H21RR	3, 5	32073	24.4	1	221.4	--	--
Rainbow X1135YGCB	9	35270	22.5	14	220.5	--	--
Midland MG 7A53BT	10	29696	20.6	8	220.1	258.2*	239.2
Wyffels W8720	2, 7, 9, 10	31671	23.1	5	219.4	--	--
Rainbow 3158YGCB	9	35779	22.7	43	214.2	227.1	220.7
TEST AVERAGE		32365	23.5	7	242.5	253.8	248.2
L.S.D. AT .10		3238	2.1	14	34.6	28.1	
C.V. %		7.0	6.6		9.9	8.0	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 20. **Irrigated Corn Test**

Central Region: Laddonia, MO (Audrain County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.3, OM=1.9%, P=84, K=204

European Corn Borer Rating: Damaged Plants= 50%, Tunnel Length/Plant= 1.0 in.

Rainfall: Apr.=1.8, May=3.3, June=4.9, July=3.6, Aug.=4.6 Total=18.2 in.

Irrigation: 6.0 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
ASGROW RX754RR2	10	35313	18.2	60	268.7**	--	--
Fontanelle 8R403	9, 10	33818	19.0	95	255.3*	--	--
Pioneer 33A87	2, 9, 10	34760	20.1	23	253.2*	--	--
DEKALB DKC64-27 (RR2)	10	35914	19.2	52	253.2*	--	--
ASGROW RX785RR2/YGCB	10	34233	18.0	18	252.0*	--	--
Pioneer 32B81	2, 9, 10	34978	21.1	56	251.0*	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	35680	19.3	52	248.0*	--	--
Garst 8353CB/LL	6	34069	19.2	44	244.8	--	--
Pioneer 31P41	2, 9, 10	33653	20.2	55	244.3	--	--
Garst 8247YG1	6	34309	19.2	47	244.2	--	--
DEKALB DKC61-72 (RR2)	10	35512	18.7	60	241.4	229.5*	235.5
Mycogen 2M797	6	34854	19.9	19	240.1	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	34587	17.7	42	239.6	--	--
Pioneer 33T56	2, 9, 10	35219	18.3	31	239.5	--	--
Pioneer 33Y45	2, 7, 9, 10	34363	20.0	39	238.9	227.2	233.1
Pfister 2730RR-Bt	9, 10	33042	16.7	53	238.2	--	--
Pioneer 34P89	2, 7, 9, 10	34942	19.3	36	237.8	--	--
Mycogen 2C727	6	35654	18.7	44	236.5	--	--
Fontanelle 7951	9, 10	33562	17.7	28	235.7	223.2	229.5
Mycogen 2A765	6	35017	18.6	54	230.9	--	--
Wyffels W7383	2, 7, 9, 10	35419	18.4	51	230.3	--	--
Garst 8294YG1/IT	6	34669	20.4	42	229.9	--	--
Pioneer 33D13	2, 9, 10	34443	18.8	54	229.6	--	--
Rainbow X1145YGCB	9	35123	18.1	25	228.9	--	--
AgriGold A6594Bt	10	35533	18.6	37	226.6	--	--
Midland MG 617BT	10	34782	18.4	40	225.9	--	--
ASGROW RX715RR2/YGCB	10	35322	17.9	35	225.8	--	--
Rainbow 3105YGCB	9	34384	18.6	34	225.6	225.8	225.7
Wyffels W8603	2, 7, 9, 10	34118	19.0	78	224.5	--	--
Laser L-8H21RR	3, 5	34824	18.5	22	222.5	--	--
AgriGold A6585Bt	8, 9, 10	36247	18.3	26	222.0	--	--
Midland MG 7A58BT/RR	10	31720	19.8	54	221.6	245.6**	233.6
Willcross 3127X4CB	10	33779	18.5	38	217.7	--	--
Midland MG 436BT	10	32868	18.0	58	217.3	--	--
Willcross 3127X6	10	33247	19.3	53	216.7	--	--
Rainbow 3120YGCB	9	35607	17.9	39	215.0	214.0	214.5
Rainbow X1135YGCB	9	35061	17.5	23	213.7	--	--
Willcross 3107X4RW	10	32736	18.6	49	213.2	--	--
Pfister 3356RR-Bt	9, 10	34693	20.2	56	212.1	--	--
Golden Harvest H-9190Hx	3, 5	35123	18.6	56	210.6	--	--
Taylor 990 RR/Bt	10	33902	19.6	57	210.5	--	--
Laser L-9H63BT	3, 5	33619	19.4	78	210.1	--	--
Rainbow 3158YGCB	9	35696	20.0	58	209.8	212.6	211.2
AgriGold A6633Bt	8, 9, 10	34662	18.1	38	206.3	--	--
Mycogen 2T780	6	34937	19.4	47	205.6	--	--

TABLE 20. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Laser L-9H93BT	3, 5	34472	20.0	77	204.2	--	--
Willcross 3194CB	10	33101	20.2	67	201.9	--	--
Wyffels W8720	2, 7, 9, 10	35058	18.6	25	201.5	--	--
Willcross 3127X1CB	10	34789	18.9	59	195.6	--	--
Fontanelle 7931	9, 10	35238	20.7	42	190.7	209.6	200.2
Midland MG 7A53BT	10	32669	17.8	89	183.6	237.3*	210.5
Golden Harvest H-9006Bt	3, 5	35479	19.4	79	168.1	220.0	194.1
TEST AVERAGE		34554	18.9	48	225.2	220.0	222.6
L.S.D. AT .10		1324	1.1	31	20.9	18.2	
C.V. %		2.6	4.5		6.6	5.6	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (MetalaxyI); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 21. Performance Summary for Irrigated Hybrids evaluated at Two Central Missouri locations (Columbia, Laddonia) during 2006.

Columbia
 Planted: 04-14
 Harvested: 08-30
 Growing Season Rainfall: 16.8 in.
 Irrigation: 8.8 in.

Laddonia
 Planted: 04-06
 Harvested: 08-29
 Growing Season Rainfall: 18.2 in.
 Irrigation: 6.0 in.

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Columbia	Laddonia	
Irrigated			
Pioneer 33A87	293.5**	253.2*	273.3**
Fontanelle 8R403	268.0*	255.3*	261.6*
Garst 8353CB/LL	270.5*	244.8	257.6*
ASGROW RX785RR2/YGCB	256.3	252.0*	254.1*
Garst 8294YG1/IT	270.0*	229.9	249.9
Garst 8247YG1	254.9	244.2	249.5
Midland MG 7A58BT/RR	276.2*	221.6	248.9
ASGROW RX754RR2	228.0	268.7**	248.4
DEKALB DKC64-27 (RR2)	242.5	253.2*	247.8
Pioneer 34A16 (HX1/LL)	255.3	239.6	247.4
Pioneer 32B81	243.0	251.0*	247.0
DEKALB DKC61-72 (RR2)	251.8	241.4	246.6
Wyffels W8603	268.3*	224.5	246.4
DEKALB DKC63-46 (RR2/YGCB)	241.1	248.0*	244.6
Fontanelle 7951	252.3	235.7	244.0
Rainbow 3105YGCB	260.5*	225.6	243.0
Pioneer 34P89	243.7	237.8	240.8
Midland MG 436BT	262.1*	217.3	239.7
Mycogen 2M797	238.4	240.1	239.2
Pioneer 31P41	233.9	244.3	239.1
ASGROW RX715RR2/YGCB	252.0	225.8	238.9
Mycogen 2A765	245.7	230.9	238.3
Taylor 990 RR/Bt	265.1*	210.5	237.8
Pioneer 33D13	244.3	229.6	237.0
Pioneer 33T56	233.1	239.5	236.3
AgriGold A6594Bt	243.9	226.6	235.2
Willcross 3194CB	268.2*	201.9	235.0
Rainbow 3120YGCB	253.0	215.0	234.0
Pioneer 33Y45	228.5	238.9	233.7
Pfister 2730RR-Bt	225.0	238.2	231.6
Mycogen 2C727	225.8	236.5	231.2
Golden Harvest H-9190Hx	250.7	210.6	230.6
Mycogen 2T780	252.7	205.6	229.2
Midland MG 617BT	229.1	225.9	227.5
Pfister 3356RR-Bt	242.5	212.1	227.3
Wyffels W7383	223.8	230.3	227.0
Laser L-9H93BT	249.5	204.2	226.8
Rainbow X1145YGCB	222.8	228.9	225.8
AgriGold A6585Bt	226.8	222.0	224.4
Willcross 3127X4CB	229.0	217.7	223.3
Laser L-8H21RR	221.4	222.5	221.9
Laser L-9H63BT	232.2	210.1	221.2
Willcross 3127X6	224.6	216.7	220.6
Willcross 3107X4RW	226.2	213.2	219.7
AgriGold A6633Bt	228.3	206.3	217.3

Table 21. Continued.

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Columbia	Ladonia	
Irrigated			
Rainbow X1135YGCB	220.5	213.7	217.1
Rainbow 3158YGCB	214.2	209.8	212.0
Fontanelle 7931	231.9	190.7	211.3
Wyffels W8720	219.4	201.5	210.4
Willcross 3127X1CB	223.8	195.6	209.7
Midland MG 7A53BT	220.1	183.6	201.8
Golden Harvest H-9006Bt	226.5	168.1	197.3
TEST AVERAGE	242.5	225.2	233.9
L.S.D. AT .10	34.6	20.9	20.0
C.V. %	9.9	6.6	8.3

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

Note: To view seed treatments for these hybrids refer to the location table or the characteristics chart.

Southwest Region Crop Management Summary

There are three locations in the southwest region of Missouri for non-irrigated corn tests and two locations for irrigated corn tests. They are located in counties where a significant number of acres of corn are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary from location to location, but tend to reflect those followed by farmers in the area.

Planting dates were from April 10 to April 14. This year three non-irrigated corn tests were added in Southwest Missouri. Results at all three locations were good despite several long periods of hot and dry weather this summer.

Climatological information for the growing season for Southwest Missouri (April 1 – August 31) is summarized below.

Average temperature = 73.2 degrees, 3.6 degrees above normal

Average precipitation = 19.2", 3.2" below normal

Growing degree days = 3428 days, 300 days above normal

Table 22. Southwest Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide		Insecticide
			N	P ₂ O ₅	K ₂ O		Pre	Post	
<i>Non-Irrigated Corn Tests</i>									
Harrisonville	04-12	08-25	230	80	120	Conv.	Dual II Magnum, Callisto, Atrazine		Force 3G
Urich	04-11	08-31	175	55	120	Conv.	Dual II Magnum, Callisto, Atrazine, Princep		Force 3G
Lamar	04-10	08-24	NA	NA	NA	Conv.	Dual II Magnum, Callisto, Atrazine, Princep	Callisto	Force 3G
<i>Irrigated Corn Tests</i>									
Harrisonville	04-12	08-25	230	80	120	Conv.	Dual II Magnum, Callisto, Atrazine		Force 3G
Lamar	04-10	08-24	NA	NA	NA	Conv.	Dual II Magnum, Callisto, Atrazine, Princep	Callisto	Force 3G

TABLE 23. Non-Irrigated Corn Test

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=5.0, OM=2.2%, P=56, K=268

European Corn Borer Rating: Damaged Plants= 3%, Tunnel Length/Plant= 0.5 in.

Rainfall: Apr.=4.9, May=2.4, June=2.7, July=5.4, Aug.=4.8 Total=20.2 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield	
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2 Yr. Mean
Garst 8535YG1/IT	6	29475	10.4	0	191.9**	--
Garst 8452CB/LL	6	28158	11.3	0	189.7*	--
ASGROW RX752RR/YG	10	29323	10.8	0	186.5*	--
DEKALB DKC61-72 (RR2)	10	28416	10.7	0	186.3*	--
Pioneer 33D13	2, 9, 10	28910	12.0	0	186.0*	--
DEKALB DKC64-27 (RR2)	10	28474	12.5	0	185.8*	--
Willcross 3096YGPL	10	29025	10.6	0	185.4*	--
DEKALB DKC64-81 (YGCB)	10	28937	11.2	0	184.9*	--
Dyna-Gro 57F87	10	29792	11.6	0	184.8*	--
Midland MG 7A58BT/RR	10	27740	12.2	0	184.7*	--
DEKALB DKC60-19 (RR2/YGCB)	10	28317	10.9	0	183.8*	--
Pioneer 35D29	2, 7, 9, 10	29397	10.9	0	183.7*	--
ASGROW RX754RR2	10	28642	11.7	0	183.7*	--
Mycogen 2T780	6	29297	10.6	0	183.5*	--
NC+ 6122RB	6	29079	12.2	0	182.5*	--
Mycogen 2P722	6	28875	10.3	0	182.3*	--
Dyna-Gro 57X97	10	28790	10.7	0	181.5	--
Willcross 3194CB	10	28923	11.8	0	181.4	--
NC+ 5555HL	6	27216	10.5	0	181.3	--
Midland MG 7A53BT	10	28805	10.5	0	181.3	--
Pioneer 33T56	2, 9, 10	28435	12.5	0	180.9	--
Dyna-Gro 57F06	10	30121	10.2	0	179.6	--
NC+ 4947RB	6	29978	10.5	0	179.6	--
Pioneer 33K40	2, 9, 10	29476	14.6	0	178.9	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	29655	11.6	0	178.0	--
Pioneer 34P89	2, 7, 9, 10	28836	10.5	0	177.4	--
Dyna-Gro 57P46	10	29916	10.5	0	177.0	--
Pioneer 35A31	2, 7, 9, 10	29333	10.8	0	176.8	--
Midland MG 436BT	10	27523	10.3	0	176.5	--
Mycogen 2C727	6	28112	10.4	0	176.0	--
Dyna-Gro 58P59	10	28728	11.7	0	175.6	--
Dyna-Gro 57F32	10	27624	12.3	0	174.6	--
Garst 8294YG1/IT	6	28227	13.4	0	174.5	--
Dyna-Gro 57F37	10	28839	10.9	0	173.0	--
Stone HC 8R533	9	29358	11.1	0	170.5	--
Midland MG 617BT	10	29000	10.9	0	169.8	--
DEKALB DKC63-46 (RR2/YGCB)	10	29506	10.4	0	162.7	--
Dyna-Gro 57X78	2, 10	28920	9.9	0	161.9	--
Willcross 3127X4CB	10	28227	12.1	0	161.7	--
Willcross 3116RRCB	10	27189	10.3	0	161.4	--
Willcross 3157X2	10	28909	12.1	0	158.8	--
TEST AVERAGE		28817	11.2	0	178.4	--
L.S.D. AT .10		1558	0.6	0	9.8	--
C.V. %		3.7	4.2		3.7	--

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 24. Non-Irrigated Corn Test

Southwest Region: Urich, MO (Henry County)

Soil Type: Hartwell Silt Loam Soil Test: pH=5.5, OM=2.7%, P=26, K=172

European Corn Borer Rating: Plants= 0%, Tunnel Length/Plant= 0 in.

Rainfall: Apr.=5.7, May=2.0, June=3.0, July=3.1, Aug.=5.7 Total=19.5 in.

Brand-Variety	Seed Treatment †	2006			Yield	
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2 Yr. Mean
Garst 8535YG1/IT	6	28764	11.3	0	143.5**	--
Mycogen 2C727	6	30439	11.1	0	142.5*	--
DEKALB DKC64-27 (RR2)	10	29498	11.8	0	138.9*	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	29702	11.9	0	138.5*	--
Willcross 3096YGPL	10	27948	11.4	0	138.0*	--
Willcross 3194CB	10	30098	11.1	0	135.8	--
Dyna-Gro 57F32	10	30898	11.7	0	135.0	--
Pioneer 34P89	2, 7, 9, 10	28304	11.9	0	134.4	--
Mycogen 2T780	6	29498	11.4	0	134.4	--
NC+ 5555HL	6	29755	11.1	0	133.6	--
Midland MG 7A58BT/RR	10	27321	11.4	0	133.3	--
Midland MG 7A53BT	10	29161	11.6	0	133.2	--
Pioneer 33T56	2, 9, 10	29629	11.5	0	133.0	--
NC+ 6122RB	6	29559	11.3	0	132.6	--
DEKALB DKC60-19 (RR2/YGCB)	10	29710	11.6	0	132.3	--
Midland MG 436BT	10	27546	11.4	0	132.3	--
Dyna-Gro 57F87	10	28815	11.5	0	132.0	--
Mycogen 2P722	6	29356	11.3	0	132.0	--
Midland MG 617BT	10	28577	11.5	0	131.9	--
Dyna-Gro 57X97	10	29637	11.3	0	131.2	--
Garst 8452CB/LL	6	28632	11.4	0	130.7	--
Dyna-Gro 57F06	10	28764	11.5	0	130.0	--
ASGROW RX754RR2	10	29333	11.7	0	129.3	--
NC+ 4947RB	6	30299	11.4	0	129.2	--
Garst 8294YG1/IT	6	28889	12.3	0	129.0	--
Pioneer 35D29	2, 7, 9, 10	29191	11.3	0	128.1	--
DEKALB DKC64-81 (YGCB)	10	29884	11.6	0	127.6	--
Pioneer 35A31	2, 7, 9, 10	30488	11.5	0	127.0	--
DEKALB DKC63-46 (RR2/YGCB)	10	30121	11.1	0	126.8	--
ASGROW RX752RR/YG	10	30373	11.4	0	126.6	--
DEKALB DKC61-72 (RR2)	10	28686	11.3	0	125.7	--
Willcross 3116RRCB	10	29674	11.4	0	122.6	--
Dyna-Gro 57F37	10	30240	11.5	0	122.6	--
Pioneer 33K40	2, 9, 10	29684	12.1	0	120.6	--
Dyna-Gro 57P46	10	29820	11.5	0	120.5	--
Willcross 3127X4CB	10	28002	12.0	0	120.2	--
Stone HC 8R533	9	29193	11.5	0	118.1	--
Dyna-Gro 58P59	10	30065	11.4	0	116.9	--
Pioneer 33D13	2, 9, 10	29871	11.6	0	116.9	--
Willcross 3157X2	10	28956	11.9	0	110.2	--
Dyna-Gro 57X78	2, 10	30424	11.0	0	108.3	--
TEST AVERAGE		29385	11.5	0	128.9	--
L.S.D. AT .10		NS	0.3	0	7.3	
C.V. %		4.0	1.6		3.9	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

NS Not Significant

† Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 25. Non-Irrigated Corn Test

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parson Silt Loam Soil Test: pH=6.6, OM=2.4%, P=186, K=510

European Corn Borer Rating: Plants= 0%, Tunnel Length/Plant= 0 in.

Rainfall: Apr.=4.7, May=4.7, June=5.8, July=2.6, Aug.=1.6 Total=19.4 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield	
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 Yield (bu/acre)	2 Yr. Mean
Pioneer 33T56	2, 9, 10	29813	10.5	0	158.7**	--
Dyna-Gro 57X97	10	29748	10.1	0	138.9*	--
Dyna-Gro 57F37	10	30475	8.9	0	135.4	--
DEKALB DKC64-27 (RR2)	10	31042	11.5	0	135.2	--
Mycogen 2T780	6	30552	10.9	0	134.8	--
Pioneer 33D13	2, 9, 10	29928	11.5	0	133.9	--
DEKALB DKC61-72 (RR2)	10	30318	9.8	0	131.3	--
Garst 8535YG1/IT	6	28719	11.1	0	131.0	--
Garst 8452CB/LL	6	28338	11.0	0	130.7	--
Dyna-Gro 58P59	10	28395	10.6	0	129.8	--
DEKALB DKC60-19 (RR2/YGCB)	10	30059	10.3	0	128.1	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	30763	10.0	0	127.8	--
Pioneer 35A31	2, 7, 9, 10	29086	8.7	0	127.5	--
Dyna-Gro 57F87	10	29575	13.7	0	127.4	--
DEKALB DKC64-81 (YGCB)	10	30115	11.8	0	127.2	--
Pioneer 33K40	2, 9, 10	29679	13.9	0	126.1	--
Dyna-Gro 57F06	10	29438	9.9	0	125.5	--
ASGROW RX752RR/YG	10	30301	11.5	0	125.2	--
Willcross 3116RRCB	10	29602	8.7	0	125.0	--
Midland MG 7A53BT	10	29300	10.2	0	124.5	--
Mycogen 2C727	6	29812	10.1	0	123.3	--
Willcross 3127X4CB	10	29472	10.2	0	122.8	--
Pioneer 34P89	2, 7, 9, 10	27739	12.5	0	122.8	--
Midland MG 617BT	10	29480	8.9	0	122.4	--
Willcross 3194CB	10	31716	12.0	0	121.9	--
ASGROW RX754RR2	10	28705	11.1	0	120.6	--
Dyna-Gro 57X78	2, 10	29119	9.7	0	119.4	--
Midland MG 7A58BT/RR	10	25747	12.5	0	119.4	--
Dyna-Gro 57F32	10	29577	10.1	0	118.6	--
NC+ 4947RB	6	30603	13.0	0	118.1	--
NC+ 6122RB	6	29275	13.8	0	115.8	--
NC+ 5555HL	6	28811	11.0	0	114.9	--
Willcross 3096YGPL	10	28205	11.3	0	114.6	--
Mycogen 2P722	6	30434	10.8	0	111.2	--
Dyna-Gro 57P46	10	30780	11.4	0	110.4	--
DEKALB DKC63-46 (RR2/YGCB)	10	30914	9.2	0	110.1	--
Stone HC 8R533	9	30731	11.3	0	109.8	--
Willcross 3157X2	10	29742	10.2	0	105.7	--
Pioneer 35D29	2, 7, 9, 10	27923	9.5	0	104.8	--
Midland MG 436BT	10	28013	11.1	0	98.1	--
Garst 8294YG1/IT	6	28538	14.1	0	94.8	--
TEST AVERAGE		29526	10.9	0	122.5	--
L.S.D. AT .10		1651	1.5	0	19.9	
C.V. %		3.8	9.2		10.8	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 26. Performance Summary for Non-Irrigated Hybrids evaluated at Three Southwest Missouri locations (Harrisonville, Urich, Lamar) during 2006.

<u>Harrisonville</u> Planted: 04-12 Harvested: 08-25 Growing Season Rainfall: 20.2 in.	<u>Urich</u> Planted: 04-11 Harvested: 08-31 Growing Season Rainfall: 19.5 in.	<u>Lamar</u> Planted: 04-10 Harvested: 08-24 Growing Season Rainfall: 19.4 in.
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Brand-Hybrid	Yield (Bu/Acre)			
	Harrisonville	Urich	Lamar	Mean
Non-Irrigated				
Pioneer 33T56	180.9	133.0	158.7**	157.5**
Garst 8535YG1/IT	191.9**	143.5**	131.0	155.5*
DEKALB DKC64-27 (RR2)	185.8*	138.9*	135.2	153.3*
Mycogen 2T780	183.5*	134.4	134.8	150.9*
Dyna-Gro 57X97	181.5	131.2	138.9*	150.5*
Garst 8452CB/LL	189.7*	130.7	130.7	150.4*
Pioneer 34A16 (HX1/LL)	178.0	138.5*	127.8	148.1
DEKALB DKC60-19 (RR2/YGCB)	183.8*	132.3	128.1	148.1
Dyna-Gro 57F87	184.8*	132.0	127.4	148.1
DEKALB DKC61-72 (RR2)	186.3*	125.7	131.3	147.8
Mycogen 2C727	176.0	142.5*	123.3	147.3
DEKALB DKC64-81 (YGCB)	184.9*	127.6	127.2	146.6
Willcross 3194CB	181.4	135.8	121.9	146.4
Midland MG 7A53BT	181.3	133.2	124.5	146.3
ASGROW RX752RR/YG	186.5*	126.6	125.2	146.1
Willcross 3096YGPL	185.4*	138.0*	114.6	146.0
Midland MG 7A58BT/RR	184.7*	133.3	119.4	145.8
Pioneer 33D13	186.0*	116.9	133.9	145.6
Dyna-Gro 57F06	179.6	130.0	125.5	145.0
Pioneer 34P89	177.4	134.4	122.8	144.9
ASGROW RX754RR2	183.7*	129.3	120.6	144.5
Pioneer 35A31	176.8	127.0	127.5	143.8
Dyna-Gro 57F37	173.0	122.6	135.4	143.7
NC+ 6122RB	182.5*	132.6	115.8	143.6
NC+ 5555HL	181.3	133.6	114.9	143.3
Dyna-Gro 57F32	174.6	135.0	118.6	142.7
NC+ 4947RB	179.6	129.2	118.1	142.3
Pioneer 33K40	178.9	120.6	126.1	141.9
Mycogen 2P722	182.3*	132.0	111.2	141.8
Midland MG 617BT	169.8	131.9	122.4	141.4
Dyna-Gro 58P59	175.6	116.9	129.8	140.8
Pioneer 35D29	183.7*	128.1	104.8	138.9
Willcross 3116RRCB	161.4	122.6	125.0	136.3
Dyna-Gro 57P46	177.0	120.5	110.4	136.0
Midland MG 436BT	176.5	132.3	98.1	135.6
Willcross 3127X4CB	161.7	120.2	122.8	134.9
DEKALB DKC63-46 (RR2/YGCB)	162.7	126.8	110.1	133.2
Stone HC 8R533	170.5	118.1	109.8	132.8
Garst 8294YG1/IT	174.5	129.0	94.8	132.8
Dyna-Gro 57X78	161.9	108.3	119.4	129.9
Willcross 3157X2	158.8	110.2	105.7	124.9
TEST AVERAGE	178.4	128.9	122.5	143.3
L.S.D. AT .10	9.8	7.3	19.9	7.7
C.V. %	3.7	3.9	10.8	6.1

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

Note: To view seed treatments for these hybrids refer to the location table or the characteristics chart.

TABLE 27. Irrigated Corn Test

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=4.9, OM=2.2%, P=58, K=272

European Corn Borer Rating: Damaged Plants= 3%, Tunnel Length/Plant= 0.5 in.

Rainfall: Apr.=4.9, May=2.4, June=2.7, July=5.4, Aug.=4.8 Total=20.2 in.

Irrigation: 4.9 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
DEKALB DKC64-27 (RR2)	10	35472	17.8	0	250.2**	--	--
Rainbow 3158YGCB	9	36225	18.2	0	244.5*	210.7	227.6
Kruger 5517YGCB	2, 6, 9	33685	18.6	0	244.2*	225.9*	235.1
NC+ 4947RB	6	33685	17.1	0	239.4*	--	--
DEKALB DKC64-81 (YGCB)	10	34982	18.3	0	238.2*	--	--
Kruger 9115RR/YGCB	2, 6, 9	35216	17.6	0	238.0*	--	--
Pioneer 33K40	2, 9, 10	33984	18.3	0	237.6*	--	--
ASGROW RX754RR2	10	34151	17.6	0	236.4*	--	--
Pioneer 32B81	2, 9, 10	33399	18.5	0	236.3*	--	--
Pioneer 31P41	2, 9, 10	33562	18.4	0	234.6*	--	--
Rainbow 3105YGCB	9	33900	17.1	0	233.4	193.7	213.6
USA 1145	9	31137	17.2	0	231.9	--	--
Pioneer 33Y45	2, 7, 9, 10	34626	18.8	0	231.9	198.9	215.4
Garst 8294YG1/IT	6	33391	20.0	0	231.3	--	--
Willcross 3137X1HX	10	34429	17.4	0	230.0	--	--
Kruger 2517RR/YGCB	2, 6, 9	35030	18.6	0	229.8	--	--
ASGROW RX752RR/YG	10	33820	16.9	0	229.2	--	--
Rainbow X1135YGCB	9	33949	16.3	0	228.9	--	--
Willcross 3096YGPL	10	32544	17.4	0	227.5	--	--
DEKALB DKC61-72 (RR2)	10	33457	20.7	0	224.9	208.5	216.7
NC+ 5555HL	6	34354	17.4	0	224.1	--	--
Pioneer 34P89	2, 7, 9, 10	31565	20.9	0	223.7	--	--
Kruger 5416YGCB	2, 6, 9	34810	18.2	0	223.1	215.9	219.5
Midland MG 7A58BT/RR	10	29536	21.6	0	222.2	241.1**	231.7
Garst 8275YG1	6	31940	18.0	0	221.9	206.5	214.2
Kruger 8616HX	2, 6, 9	34705	18.8	0	218.9	--	--
Kruger 9313RR/YGCB	2, 6, 9	34312	17.3	0	218.2	--	--
USA 1120bt	9	34148	17.4	0	216.2	201.2	208.7
Pioneer 33T56	2, 9, 10	32260	17.1	0	216.2	--	--
Pioneer 33D13	2, 9, 10	33634	18.6	0	213.8	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	34274	21.6	0	212.7	--	--
Willcross 3107X4RW	10	32522	17.0	0	212.6	--	--
Kruger 5613YGCB	2, 9, 10	32129	19.5	0	212.5	--	--
Kruger 5514YGCB	2, 6, 9	33482	16.7	0	211.7	198.0	204.9
Kruger 8414HX	2, 6, 9	33283	17.7	0	210.9	--	--
Kruger 9212RR/YGCB	2, 6, 9	33467	16.8	0	210.8	--	--
Rainbow X1145YGCB	9	33944	20.8	0	208.3	--	--
Kruger 0615	2, 6, 9	33690	20.1	0	207.2	--	--
Willcross 3127X6	10	31972	21.6	0	206.5	--	--
Kruger 5310YGCB	2, 6, 9	32548	17.6	0	204.8	--	--
Midland MG 7A53BT	10	33683	16.9	0	204.0	216.4	210.2
NC+ 6122RB	6	31640	21.7	0	203.8	--	--
Willcross 3007X1RR	10	32127	12.8	0	193.1	--	--
TEST AVERAGE		33503	18.4	0	223.1	209.2	216.2
L.S.D. AT .10		1652	3.0	0	16.6	22.2	
C.V. %		3.4	11.7		5.1	7.4	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 28. Irrigated Corn Test

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parson Silt Loam Soil Test: pH=6.8, OM=2.3%, P=110, K=412

European Corn Borer Rating: Damaged Plants= 20%, Tunnel Length/Plant= 0.8 in.

Rainfall: Apr.=4.7, May=4.7, June=5.8, July=2.6, Aug.=1.6 Total=19.4 in.

Irrigation: 2.75 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 bu/acre	2005 bu/acre	
NC+ 6122RB	6	34530	23.7	0	161.1**	--	--
Garst 8275YGI	6	35383	20.8	0	158.9*	141.2	150.1
ASGROW RX752RR/YG	10	36031	18.5	0	156.2*	--	--
DEKALB DKC64-27 (RR2)	10	33169	19.5	0	155.0*	--	--
NC+ 5555HL	6	34249	14.9	0	153.4*	--	--
Kruger 9115RR/YGCB	2, 6, 9	35021	19.8	0	153.3*	--	--
DEKALB DKC64-81 (YGCB)	10	34759	20.7	0	153.0*	--	--
Kruger 2517RR/YGCB	2, 6, 9	36541	22.6	0	153.0*	--	--
Pioneer 33K40	2, 9, 10	35976	20.4	0	152.7*	--	--
USA 1145	9	33637	21.7	0	152.6*	--	--
Willcross 3137X1HX	10	33702	18.2	0	150.2*	--	--
Rainbow 3105YGCB	9	36012	17.8	0	149.4*	157.8*	153.6
Kruger 8414HX	2, 6, 9	34496	18.1	0	149.2*	--	--
Willcross 3096YGPL	10	34169	16.7	0	147.9*	--	--
Midland MG 7A58BT/RR	10	33654	20.5	0	147.3*	152.5*	149.9
Rainbow X1145YGCB	9	35304	15.8	0	147.1*	--	--
Pioneer 33D13	2, 9, 10	34853	19.1	0	145.7*	--	--
Kruger 8616HX	2, 6, 9	35797	17.1	0	145.6*	--	--
Kruger 5514YGCB	2, 6, 9	34881	15.4	0	145.5*	140.8	143.2
ASGROW RX754RR2	10	33802	19.0	0	145.3*	--	--
Kruger 9212RR/YGCB	2, 6, 9	34791	17.6	0	144.2	--	--
Pioneer 33T56	2, 9, 10	34185	17.3	0	143.9	--	--
Kruger 9313RR/YGCB	2, 6, 9	35460	18.0	0	143.0	--	--
Kruger 0615	2, 6, 9	35864	18.3	0	142.7	--	--
Kruger 5310YGCB	2, 6, 9	36414	12.8	0	142.7	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	35913	14.7	0	141.8	--	--
Kruger 5613YGCB	2, 9, 10	33729	18.3	0	141.7	--	--
Pioneer 34P89	2, 7, 9, 10	33838	20.5	0	141.3	--	--
Rainbow 3158YGCB	9	35748	24.2	0	140.7	135.8	138.3
USA 1120bt	9	35166	14.8	0	140.6	161.4*	151.0
DEKALB DKC61-72 (RR2)	10	35952	15.4	0	140.3	146.9	143.6
Willcross 3007X1RR	10	35228	12.6	0	140.0	--	--
Pioneer 32B81	2, 9, 10	35830	20.7	0	139.2	--	--
Midland MG 7A53BT	10	33625	18.1	0	138.3	154.0*	146.2
NC+ 4947RB	6	35422	19.8	0	138.2	--	--
Kruger 5416YGCB	2, 6, 9	36348	14.2	0	138.0	130.5	134.3
Garst 8294YGI/IT	6	33916	21.1	0	133.6	--	--
Rainbow X1135YGCB	9	35744	12.2	0	132.4	--	--
Pioneer 31P41	2, 9, 10	33538	21.9	0	130.0	--	--
Pioneer 33Y45	2, 7, 9, 10	34356	20.3	0	129.1	151.2	140.2
Willcross 3107X4RW	10	32571	12.9	0	127.9	--	--
Kruger 5517YGCB	2, 6, 9	36303	22.0	0	124.8	152.5*	138.7
Willcross 3127X6	10	34264	15.7	0	119.9	--	--
TEST AVERAGE		34888	18.2	0	143.6	145.7	144.7
L.S.D. AT .10		1786	0.6	0	16.9	20.6	
C.V. %		3.6	9.5		8.0	9.6	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 29. Performance Summary for Irrigated Hybrids evaluated at Two Southwest Missouri locations (Harrisonville, Lamar) during 2006.

Harrisonville
 Planted: 04-12
 Harvested: 08-25
 Growing Season Rainfall: 20.2 in.
 Irrigation: 4.9 in.

Lamar
 Planted: 04-10
 Harvested: 08-24
 Growing Season Rainfall: 19.4 in.
 Irrigation: 2.75 in.

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Harrisonville	Lamar	
	Irrigated		
DEKALB DKC64-27 (RR2)	250.2**	155.0*	202.6**
Kruger 9115RR/YGCB	238.0*	153.3*	195.6*
DEKALB DKC64-81 (YGCB)	238.2*	153.0*	195.6*
Pioneer 33K40	237.6*	152.7*	195.2*
ASGROW RX752RR/YG	229.2	156.2*	192.7*
Rainbow 3158YGCB	244.5*	140.7	192.6*
USA 1145	231.9	152.6*	192.2*
Kruger 2517RR/YGCB	229.8	153.0*	191.4*
Rainbow 3105YGCB	233.4	149.4*	191.4*
ASGROW RX754RR2	236.4*	145.3*	190.8*
Garst 8275YG1	221.9	158.9*	190.4
Willcross 3137X1HX	230.0	150.2*	190.1
NC+ 4947RB	239.4*	138.2	188.8
NC+ 5555HL	224.1	153.4*	188.8
Pioneer 32B81	236.3*	139.2	187.8
Willcross 3096YGPL	227.5	147.9*	187.7
Midland MG 7A58BT/RR	222.2	147.3*	184.8
Kruger 5517YGCB	244.2*	124.8	184.5
DEKALB DKC61-72 (RR2)	224.9	140.3	182.6
Pioneer 34P89	223.7	141.3	182.5
NC+ 6122RB	203.8	161.1**	182.4
Garst 8294YG1/IT	231.3	133.6	182.4
Pioneer 31P41	234.6*	130.0	182.3
Kruger 8616HX	218.9	145.6*	182.2
Rainbow X1135YGCB	228.9	132.4	180.6
Kruger 9313RR/YGCB	218.2	143.0	180.6
Kruger 5416YGCB	223.1	138.0	180.6
Pioneer 33Y45	231.9	129.1	180.5
Pioneer 33T56	216.2	143.9	180.0
Kruger 8414HX	210.9	149.2*	180.0
Pioneer 33D13	213.8	145.7*	179.8
Kruger 5514YGCB	211.7	145.5*	178.6
USA 1120bt	216.2	140.6	178.4
Rainbow X1145YGCB	208.3	147.1*	177.7
Kruger 9212RR/YGCB	210.8	144.2	177.5
DEKALB DKC63-46 (RR2/YGCB)	212.7	141.8	177.2
Kruger 5613YGCB	212.5	141.7	177.1
Kruger 0615	207.2	142.7	174.9
Kruger 5310YGCB	204.8	142.7	173.8
Midland MG 7A53BT	204.0	138.3	171.2
Willcross 3107X4RW	212.6	127.9	170.2
Willcross 3007X1RR	193.1	140.0	166.6
Willcross 3127X6	206.5	119.9	163.2
TEST AVERAGE	223.1	143.6	183.4
L.S.D. AT .10	16.6	16.9	11.7
C.V. %	5.1	8.0	6.6

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

Note: To view seed treatments for these hybrids refer to the location table or the characteristics chart.

Southeast Region Crop Management Summary

There are three locations in the southeastern region of Missouri for irrigated corn and new technology corn tests. They are located in counties where a significant number of acres of irrigated corn are grown according to the Missouri Agricultural Statistics Service. Cultural practices vary from location to location, but tend to reflect those followed by farmers in the area.

Planting dates were from April 4 to April 18. Both rainfall and temperatures were nearly ideal for corn growth and development in Southeast Missouri this year. Other than a few dry periods early in the summer, conditions for good yields (236 bu/A regional average) existed throughout the southeast region of the state.

Climatological information for the growing season (April 1 – August 31) for Southeast Missouri is summarized below and cultural practices for each site are in the subsequent table.

Average temperature = 73.1 degrees, 1.5 degrees above normal

Average precipitation = 20.4", 0.3" below normal

Growing degree days = 3442 units, 63 above normal

Table 30. Southeast Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide		Insecticide
			N	P ₂ O ₅	K ₂ O		Pre	Post	
<i>Irrigated and New Technology Corn Tests</i>									
Oran	04-04	09-07	230	40	70	Conv.	Lexar, Atrazine		Force 3G
Charleston	04-05	09-06	260	55	48	Conv.	Degree Xtra, Atrazine	Hi-Dep	Force 3G
Portageville Clay	04-18	09-06	250	0	0	Conv.	Dual II Magnum, Callisto, Atrazine, Princep		Force 3G

TABLE 31. Irrigated Corn Test

Southeast Region: Oran, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=5.7, OM=1.2%, P=70, K=254

European Corn Borer Rating: Damaged Plants= 100%, Tunnel Length/Plant= 7.8 in.

Rainfall: Apr.=2.3, May=8.3, June=2.2, July=8.8, Aug.=5.0 Total=26.6 in.

Irrigation: 7 in.

Brand-Variety	Seed Treatment [†]	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Garst 8247YG1	6	32118	17.3	0	238.6**	--	--
NK Brand N76-D3	6	30377	16.4	0	237.7*	238.2	238.0
Gateway 4916YGCBRR2	3, 10	28603	17.5	0	235.0*	--	--
Pioneer 31N28 (YGCB)	2, 9, 10	30134	17.8	0	234.8*	250.4*	242.6
Garst 8294YG1/IT	6	29359	17.5	0	234.1*	--	--
MFA MORCORN MC4474 CB	5	30440	16.0	1	233.8*	--	--
Belle 1545RY	6	30203	17.5	0	233.3*	246.5*	239.9
ASGROW RX715RR2/YGCB	10	31421	16.1	0	232.2*	--	--
Pioneer 33M54	2, 9, 10	29589	17.3	3	231.4*	256.8*	244.1
Pioneer 31D58	2, 9, 10	28041	16.9	0	230.7*	--	--
Terral TV26BR41	9	29632	17.2	0	230.4*	--	--
Gateway 4415YGCB	3, 10	29659	17.2	3	230.3*	--	--
Crow's 5176S	6	30463	16.9	0	226.5*	--	--
NK Brand N70-T9	6	29379	16.0	0	226.4*	233.3	229.9
Willcross 3194CB	10	30482	17.2	0	226.3*	244.7*	235.5
Mycogen 2C727	6	29751	15.2	0	225.4*	--	--
Mycogen 2M797	6	29083	17.0	0	225.2*	--	--
Dyna-Gro 58P59	10	29956	15.7	1	225.0*	--	--
UniSouth FB 814CB	9, 10	27736	16.7	0	224.8*	--	--
Dyna-Gro 58P45	10	29726	17.6	0	224.1*	--	--
Dyna-Gro 57K58	10	29701	15.1	6	223.8*	239.2	231.5
Croplan Genetics 799RR2	5	31086	16.5	6	223.6*	--	--
Trisler T-5338CB	1, 4, 10	29185	16.6	1	222.8*	252.4*	237.6
MFA MORCORN XP168	10	30011	17.6	0	222.6*	--	--
Gateway 5216HX	3, 10	29803	17.9	1	222.5*	--	--
Gateway 2416YGCB	3, 10	29886	17.3	0	222.0*	252.6*	237.3
Dyna-Gro 58P60	10	29120	17.9	0	221.8*	--	--
Crow's 6620B	6	30291	17.4	2	221.5*	261.9*	241.7
Mersch. M-512C-3	1, 4, 10, 12	29773	15.8	0	221.5*	--	--
Belle 1747RY	6	29644	17.3	0	221.4*	--	--
Mersch. M-314A-3 (P1250)	1, 4, 11, 12	30021	17.5	0	221.2*	--	--
Garst 8275YG1	6	28015	17.2	1	220.5*	249.5*	235.0
Trisler T-5337CB	1, 4, 10	25720	17.2	1	220.4*	266.1*	243.3
NK Brand N65-C5	6	30588	15.7	0	219.5*	239.9	229.7
AgriGold A6633Bt	8, 9, 10	27481	16.4	0	219.1*	242.6	230.9
MFA MORCORN XP161	10	30488	17.4	0	217.3	--	--
AgriGold A6474Bt	10	29825	15.1	0	217.3	--	--
NK Brand N68-B8	6	30257	15.2	4	217.1	--	--
Willcross 3137X1HX	10	28335	16.2	0	216.8	--	--
Belle 1533Y	6	28046	15.8	0	216.4	245.8*	231.1
Golden Harvest H-9006Bt	3, 5	27942	14.8	0	215.9	243.2	229.6
UniSouth BG RR/CB 1163	10	33157	15.7	8	215.9	--	--
Laser L-9H93BT	3, 5	27642	17.3	0	215.7	--	--
Dyna-Gro 57N96	10	29062	16.2	5	215.5	249.9*	232.7
Mersch. M-314A-3	1, 4, 10, 12	29783	16.6	0	215.5	--	--

TABLE 31. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 2005 -----bu/acre-----	2005	2 Yr. Mean
FFR 736BT	10	32672	15.8	0	215.3	266.1*	240.7
Golden Harvest H-9461	3, 5	28456	15.5	6	215.3	--	--
Croplan Genetics 818RR2/BT	5	29670	17.7	0	215.2	--	--
DEKALB DKC67-23 (RR2/YGCB)	10	28970	17.5	0	214.9	--	--
Mycogen 2A765	6	31074	15.8	0	214.9	--	--
Croplan Genetics 691 BTLL	5	28423	15.3	0	214.7	--	--
Garst 8350YG1	6	28877	15.2	0	214.5	246.5*	230.5
Wyffels W7389	2, 7, 9, 10	26271	16.4	0	214.4	--	--
DEKALB DKC66-23 (RR2/YGCB)	10	28385	16.4	0	214.1	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	29768	15.8	0	213.9	--	--
Wyffels W8720	2, 7, 9, 10	29594	15.5	0	213.7	252.1*	232.9
AgriGold A6522	10	29349	15.4	2	213.5	--	--
FFR 835BT	10	26228	16.8	0	213.4	250.5*	232.0
Dyna-Gro 57F87	10	30117	16.6	0	213.3	223.1	218.2
Terral TV25R31	9	31773	17.4	0	212.7	235.6	224.2
Garst 8225YG1/RR	6	30021	16.5	1	212.6	--	--
Crow's 5261R	6	31190	16.5	2	212.4	--	--
Wyffels W7383	2, 7, 9, 10	26411	15.8	0	211.5	--	--
Golden Harvest H-9251CB	3, 5	27301	15.7	0	211.3	--	--
Willcross 3157X3CB	10	28451	17.6	0	211.1	--	--
UniSouth BG 85D07	10	30095	15.5	2	210.8	--	--
AgriGold A6585Bt	8, 9, 10	26083	16.2	0	210.2	--	--
Wyffels W8603	2, 7, 9, 10	28336	17.0	0	209.9	--	--
Pioneer 33N56	2, 9, 10	26957	15.8	0	209.8	254.8*	232.3
Dyna-Gro 57P12	10	27762	17.5	0	209.2	--	--
Exsegen ES414	2, 4	30063	15.9	3	209.2	257.7*	233.5
Willcross 3157X2	10	29545	15.9	1	209.1	--	--
Pioneer 33N59 (HX1/LL)	2, 9, 10	29372	17.1	1	209.0	--	--
Pioneer 33P70 (YGCB/RR2)	2, 9, 10	29040	17.7	0	208.9	--	--
Croplan Genetics 643RR2/BT	5	29451	15.1	0	207.7	--	--
DEKALB DKC61-72 (RR2)	10	28885	14.8	7	207.3	238.0	222.7
Pioneer 33Y45	2, 7, 9, 10	30037	17.3	4	207.2	--	--
Dyna-Gro 57P69	10	30683	14.9	0	206.5	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	31113	15.7	0	205.5	--	--
Dyna-Gro 57K33	10	28860	16.5	4	204.3	--	--
AgriGold A6455Bt	10	25851	15.1	0	204.3	--	--
Dyna-Gro 56K70	10	29578	14.5	2	203.8	--	--
Crow's 4614R	6	28016	14.6	0	203.2	--	--
Mycogen 2T780	6	27519	15.9	0	203.0	--	--
DEKALB DKC63-81 (RR2/YGCB)	10	26517	16.2	0	202.9	--	--
Dyna-Gro 58K40	10	28584	16.6	0	202.8	--	--
Willcross 3125CBRR	10	29593	16.3	0	201.7	--	--
Crow's 4981R	6	28993	15.8	1	198.8	--	--
Mersch. M-612D-3	1, 4, 10, 12	31460	14.3	0	198.1	--	--
AgriGold A6622	10	30717	16.0	10	196.9	--	--
Laser L-8H68Bt/RR	3, 5	28060	14.7	0	196.9	--	--
Terral TVX25R501	9	28696	15.9	2	196.7	--	--
UniSouth FB 927RRCB	5, 9, 10	29071	16.4	0	196.7	--	--
Willcross 3167X2RRCB	10	31132	16.6	0	196.5	--	--
FFR 746RRBT	10	27600	16.5	1	196.1	--	--
Dyna-Gro 57K14	10	29285	14.3	4	195.9	240.0	218.0
Willcross 3116RRCB	10	26822	14.8	0	195.6	--	--
Belle 1525R	6	26967	17.1	2	195.0	232.4	213.7
Dyna-Gro 58K02	10	27705	17.7	0	195.0	--	--

TABLE 31. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
Mersch. M-711E-3	1, 4, 10, 12	25973	14.8	0	195.0	--	--
Crow's 7S322	6	27758	16.0	0	194.9	--	--
MFA MORCORN XP164C	10	26767	15.2	0	194.0	--	--
UniSouth FB 905RRCB	9, 10	25123	17.4	0	193.9	--	--
MFA MORCORN MC4072 CB	5	28052	15.5	0	193.8	--	--
DEKALB DKC61-45 (RR2/YGCB)	10	29511	14.4	0	191.5	--	--
Crow's 5152R	6	29933	15.6	3	190.4	--	--
FFR 690	10	30416	14.4	1	188.7	--	--
Laser L-8H21RR	3, 5	28188	14.7	7	185.0	--	--
FFR 756RRBT	10	30003	16.6	0	184.4	--	--
TEST AVERAGE		29121	16.3	1	212.7	242.5	227.6
L.S.D. AT .10		3089	1.0	3	20.5	24.1	
C.V. %		7.6	4.4		6.9	7.3	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 32. **Irrigated Corn Test**

Southeast Region: Charleston, MO (Mississippi County)

Soil Type: Dundee Silt Loam Soil Test: pH=6.6, OM=1.6%, P=114, K=296

European Corn Borer Rating: Damaged Plants= 48%, Tunnel Length/Plant= 3.9 in.

Rainfall: Apr.=4.5, May=6.8, June=2.9, July=4.5, Aug.=3.6 Total=22.3 in.

Irrigation: 12 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
NK Brand N76-D3	6	32957	14.4	0	280.3**	230.2	255.3
Garst 8294YG1/IT	6	30550	14.5	0	279.6*	--	--
UniSouth BG 85D07	10	31928	13.3	0	278.7*	--	--
Pioneer 31D58	2, 9, 10	32038	13.9	0	276.4*	--	--
Garst 8247YG1	6	29304	13.2	0	274.2*	--	--
DEKALB DKC67-23 (RR2/YGCB)	10	32234	14.1	0	272.2*	--	--
Dyna-Gro 57K58	10	30438	13.2	0	272.0*	233.4	252.7
Pioneer 33P70 (YGCB/RR2)	2, 9, 10	31775	14.3	0	269.0*	--	--
DEKALB DKC61-45 (RR2/YGCB)	10	32522	12.7	0	269.0*	--	--
Laser L-9H93BT	3, 5	32243	13.8	0	268.7*	--	--
Croplan Genetics 799RR2	5	31436	14.2	0	268.7*	--	--
Trisler T-5338CB	1, 4, 10	32056	13.2	0	268.4*	235.1	251.8
Dyna-Gro 58P45	10	32872	14.3	0	268.2*	--	--
Crow's 6620B	6	33317	13.9	0	268.2*	255.2*	261.7
Terral TV26BR41	9	31195	13.9	0	268.0*	--	--
Belle 1533Y	6	30408	14.1	0	267.6*	261.6*	264.6
Willcross 3194CB	10	32654	13.7	0	267.0*	250.3*	258.7
NK Brand N68-B8	6	32902	13.5	0	266.7*	--	--
Crow's 7S322	6	34101	13.8	0	266.3*	--	--
Garst 8275YG1	6	32614	13.7	0	265.7*	217.1	241.4
UniSouth BG RR/CB 1163	10	32882	13.1	0	265.4*	--	--
DEKALB DKC66-23 (RR2/YGCB)	10	32310	13.5	0	265.2*	--	--
Mycogen 2T780	6	31662	13.9	0	263.6*	--	--
Gateway 2416YGCB	3, 10	32754	13.3	0	263.3*	261.2*	262.3
Dyna-Gro 57P69	10	33784	12.8	0	263.3*	--	--
Belle 1747RY	6	31172	14.1	0	263.1*	--	--
NK Brand N70-T9	6	33470	13.8	0	262.9*	232.4	247.7
MFA MORCORN XP161	10	32349	14.2	0	262.0*	--	--
Golden Harvest H-9461	3, 5	31618	13.6	0	261.6*	--	--
Wyffels W7389	2, 7, 9, 10	29350	13.4	1	261.6*	--	--
Crow's 5261R	6	33159	13.1	0	261.3*	--	--
Belle 1545RY	6	32390	13.9	0	261.0*	242.1	251.6
NK Brand N65-C5	6	32353	12.6	0	260.5*	222.5	241.5
Gateway 4916YGCBRR2	3, 10	31378	13.9	0	260.4*	--	--
Trisler T-5337CB	1, 4, 10	31627	14.1	0	260.1*	238.1	249.1
DEKALB DKC61-72 (RR2)	10	32361	12.7	0	260.0*	257.8*	258.9
Mersch. M-711E-3	1, 4, 10, 12	30200	12.9	0	259.9*	--	--
DEKALB DKC63-81 (RR2/YGCB)	10	32708	13.1	0	259.8*	--	--
AgriGold A6474Bt	10	33085	13.1	0	259.6*	--	--
Croplan Genetics 818RR2/BT	5	33472	14.7	0	259.5*	--	--
ASGROW RX715RR2/YGCB	10	33424	13.8	0	259.5*	--	--
AgriGold A6633Bt	8, 9, 10	32413	13.2	0	259.3*	246.0*	252.7
Dyna-Gro 57F87	10	31836	13.5	0	259.0*	235.7	247.4
Dyna-Gro 58P59	10	31680	13.7	0	258.7*	--	--
Gateway 4415YGCB	3, 10	32497	13.9	0	258.0*	--	--

TABLE 32. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
Terral TV25R31	9	32237	14.3	0	257.9*	258.0*	258.0
Croplan Genetics 691 BTLL	5	33140	13.4	0	256.9	--	--
Mersch. M-314A-3 (P1250)	1, 4, 11, 12	32235	14.0	0	256.5	--	--
AgriGold A6585Bt	8, 9, 10	30709	13.3	0	256.2	--	--
Golden Harvest H-9251CB	3, 5	31794	13.7	0	256.1	--	--
Mersch. M-314A-3	1, 4, 10, 12	30982	13.8	0	255.9	--	--
Dyna-Gro 57N96	10	27388	13.7	1	255.6	236.1	245.9
Dyna-Gro 58P60	10	31096	15.1	0	255.6	--	--
Mycogen 2C727	6	31293	13.1	0	255.5	--	--
Mycogen 2M797	6	34394	14.1	0	255.2	--	--
Wyffels W7383	2, 7, 9, 10	32874	13.4	0	255.0	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	32977	13.4	0	255.0	--	--
Dyna-Gro 57P12	10	32672	14.2	0	254.5	--	--
UniSouth FB 905RRCB	9, 10	31379	14.2	0	254.4	--	--
MFA MORCORN XP168	10	29885	13.8	0	254.4	--	--
Willcross 3137X1HX	10	30080	14.0	0	253.4	--	--
Crow's 5152R	6	31895	13.3	0	252.9	--	--
AgriGold A6622	10	33310	13.9	0	252.9	--	--
Mycogen 2A765	6	33263	13.2	0	252.2	--	--
Exsegen ES414	2, 4	29792	14.0	0	251.5	246.0*	248.8
Willcross 3157X3CB	10	31670	13.7	0	251.4	--	--
Garst 8350YGI	6	30433	13.1	0	250.8	234.1	242.5
Pioneer 33N59 (HX1/LL)	2, 9, 10	29717	13.5	0	250.0	--	--
Laser L-8H21RR	3, 5	29927	13.4	0	249.7	--	--
Pioneer 33M54	2, 9, 10	32795	14.1	0	249.3	234.2	241.8
Mersch. M-612D-3	1, 4, 10, 12	32286	13.1	0	247.6	--	--
UniSouth FB 814CB	9, 10	31892	13.6	0	247.3	--	--
Gateway 5216HX	3, 10	31615	14.4	0	247.1	--	--
FFR 736BT	10	33454	13.5	0	246.9	233.2	240.1
Golden Harvest H-9006Bt	3, 5	33488	12.9	0	246.8	242.8	244.8
MFA MORCORN MC4474 CB	5	31408	13.6	0	246.6	--	--
Crow's 4614R	6	31697	13.6	0	246.5	--	--
MFA MORCORN MC4072 CB	5	31406	13.5	0	244.5	--	--
Pioneer 33N56	2, 9, 10	31415	13.5	0	244.4	236.4	240.4
Dyna-Gro 57K33	10	31652	13.3	0	243.7	--	--
Dyna-Gro 58K40	10	29779	14.0	0	243.6	--	--
Willcross 3125CBRR	10	32486	13.5	0	243.1	--	--
Garst 8225YGI/RR	6	33316	13.6	0	242.5	--	--
Crow's 4981R	6	31306	13.3	0	241.9	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	33316	12.8	0	241.8	--	--
Willcross 3116RRCB	10	30951	12.7	0	241.4	--	--
FFR 835BT	10	32381	14.1	0	240.1	228.6	234.4
AgriGold A6455Bt	10	30488	12.6	0	239.7	--	--
Pioneer 31N28 (YGCB)	2, 9, 10	33098	14.5	0	239.5	263.8**	251.7
Wyffels W8603	2, 7, 9, 10	31581	13.7	0	238.3	--	--
MFA MORCORN XP164C	10	32162	12.8	0	238.0	--	--
FFR 756RRBT	10	32932	14.0	0	237.9	--	--
Crow's 5176S	6	31801	13.9	0	237.4	--	--
Wyffels W8720	2, 7, 9, 10	30220	14.0	0	237.0	201.6	219.3
Dyna-Gro 57K14	10	30474	13.2	0	236.0	239.6	237.8
Laser L-8H68Bt/RR	3, 5	31811	12.9	0	235.9	--	--
Mersch. M-512C-3	1, 4, 10, 12	30649	13.1	0	234.8	--	--
AgriGold A6522	10	29375	13.1	0	234.6	--	--
Croplan Genetics 643RR2/BT	5	31083	12.9	0	234.4	--	--

TABLE 32. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
Belle 1525R	6	30757	13.7	0	234.3	183.6	209.0
Willcross 3167X2RRCB	10	32085	13.8	0	234.2	--	--
Pioneer 33Y45	2, 7, 9, 10	33228	14.1	0	233.0	--	--
UniSouth FB 927RRCB	5, 9, 10	31970	13.5	0	232.9	--	--
FFR 746RRBT	10	31517	13.6	0	231.2	--	--
Dyna-Gro 56K70	10	32055	12.7	0	230.2	--	--
Terral TVX25R501	9	30554	14.1	0	230.1	--	--
Willcross 3157X2	10	31566	13.9	0	228.1	--	--
Dyna-Gro 58K02	10	29961	13.5	0	226.9	--	--
FFR 690	10	31660	13.0	0	225.9	--	--
TEST AVERAGE		31819	13.6	0	253.2	232.8	243.0
L.S.D. AT .10		2513	0.5	NS	22.7	20.8	
C.V. %		5.7	2.8		6.4	6.2	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 33. Irrigated Corn Test

Southeast Region: Portageville Clay, MO (Pemiscot County)

Soil Type: Portageville Clay Soil Test: pH=6.6, OM=2.1%, P=60, K=600

European Corn Borer Rating: Damaged Plants= 100%, Tunnel Length/Plant= 3.9 in.

Rainfall: Apr.=2.2, May=5.4, June=1.9, July=7.5, Aug.=1.7 Total=18.7 in.

Irrigation: 7 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
					-----bu/acre-----		
Belle 1533Y	6	33991	18.4	15	277.6**	223.6*	250.6
Garst 8275YG1	6	32756	18.5	8	273.8*	196.4	235.1
Mycogen 2T780	6	34443	18.1	15	269.4*	--	--
Garst 8247YG1	6	33364	19.0	0	269.0*	--	--
Garst 8294YG1/IT	6	33662	20.9	2	268.8*	--	--
Wyffels W8603	2, 7, 9, 10	35323	19.3	8	267.8*	--	--
MFA MORCORN MC4474 CB	5	34150	18.1	5	266.6*	--	--
Crow's 6620B	6	34812	19.0	7	266.1*	215.0*	240.6
Dyna-Gro 57F87	10	34352	18.2	3	266.0*	209.5	237.8
NK Brand N76-D3	6	34942	19.4	1	264.3*	196.7	230.5
AgriGold A6633Bt	8, 9, 10	34025	17.7	3	263.5*	208.4	236.0
UniSouth FB 814CB	9, 10	34487	19.9	0	262.9*	--	--
Dyna-Gro 58P59	10	34698	16.9	2	262.6	--	--
Gateway 2416YGCB	3, 10	33941	19.8	8	262.3	227.3**	244.8
Willcross 3137X1HX	10	34182	17.9	5	262.1	--	--
Terral TV26BR41	9	34410	17.7	6	261.8	--	--
Mersch. M-314A-3 (P1250)	1, 4, 11, 12	33789	18.7	7	261.0	--	--
NK Brand N65-C5	6	34692	16.4	0	260.6	214.8*	237.7
NK Brand N70-T9	6	34681	17.8	1	259.7	200.1	229.9
Willcross 3157X3CB	10	34084	20.8	0	259.0	--	--
Dyna-Gro 57P12	10	34415	19.5	8	258.0	--	--
Crow's 7S322	6	35037	16.9	1	257.9	--	--
Trisler T-5337CB	1, 4, 10	32258	19.2	4	257.2	214.7*	236.0
FFR 736BT	10	35586	17.9	15	257.0	180.6	218.8
Golden Harvest H-9251CB	3, 5	34046	17.5	1	256.6	--	--
Croplan Genetics 691 BTLL	5	34427	17.6	4	256.6	--	--
AgriGold A6585Bt	8, 9, 10	33396	18.1	2	256.3	--	--
Gateway 4415YGCB	3, 10	34509	17.2	5	256.2	--	--
Mycogen 2C727	6	35167	17.0	2	256.1	--	--
Mersch. M-314A-3	1, 4, 10, 12	34344	18.3	8	255.7	--	--
FFR 835BT	10	34210	18.7	21	255.5	196.0	225.8
Trisler T-5338CB	1, 4, 10	32503	17.6	7	255.5	220.6*	238.1
Dyna-Gro 57P69	10	35055	16.9	2	255.5	--	--
Crow's 5176S	6	35282	16.7	12	254.6	--	--
Willcross 3194CB	10	34275	18.8	10	254.3	219.4*	236.9
MFA MORCORN XP161	10	33666	18.0	12	253.6	--	--
Garst 8225YG1/RR	6	33699	18.2	1	253.5	--	--
Wyffels W7389	2, 7, 9, 10	34375	17.0	3	253.2	--	--
AgriGold A6455Bt	10	32953	16.1	0	252.3	--	--
Pioneer 31N28 (YGCB)	2, 9, 10	34453	17.7	0	251.8	187.5	219.7
Golden Harvest H-9006Bt	3, 5	34200	17.4	2	251.7	205.9	228.8
Wyffels W7383	2, 7, 9, 10	34589	17.3	2	250.9	--	--
Willcross 3125CBRR	10	35918	17.1	4	250.9	--	--
Croplan Genetics 818RR2/BT	5	34541	20.3	6	250.9	--	--
MFA MORCORN XP168	10	34703	19.9	8	250.4	--	--

TABLE 33. Continued.

Brand-Variety	Seed Treatment [†]	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
Gateway 4916YGCBRR2	3, 10	33680	19.9	17	250.0	--	--
Belle 1747RY	6	34674	20.0	5	249.9	--	--
Laser L-9H93BT	3, 5	32344	18.5	3	248.8	--	--
Pioneer 31D58	2, 9, 10	34271	18.0	0	248.6	--	--
DEKALB DKC66-23 (RR2/YGCB)	10	34079	18.2	4	247.9	--	--
Belle 1545RY	6	34218	18.5	5	247.6	215.4*	231.5
DEKALB DKC67-23 (RR2/YGCB)	10	32955	17.7	21	247.4	--	--
UniSouth FB 905RRCB	9, 10	33759	19.5	1	246.6	--	--
Dyna-Gro 58P60	10	33544	21.6	24	246.3	--	--
Mersch. M-512C-3	1, 4, 10, 12	34260	17.3	6	246.0	--	--
DEKALB DKC63-46 (RR2/YGCB)	10	35348	15.3	1	245.4	--	--
Dyna-Gro 57N96	10	34030	17.1	6	244.1	195.3	219.7
Dyna-Gro 58P45	10	34380	20.0	3	243.8	--	--
FFR 756RRBT	10	35130	18.8	4	243.8	--	--
Pioneer 33N59 (HX1/LL)	2, 9, 10	34040	16.5	21	243.5	--	--
Willcross 3167X2RRCB	10	33808	18.6	3	242.7	--	--
Golden Harvest H-9461	3, 5	32969	16.7	8	242.6	--	--
Mersch. M-711E-3	1, 4, 10, 12	32996	16.0	8	241.7	--	--
ASGROW RX715RR2/YGCB	10	35509	17.1	5	241.7	--	--
Mycogen 2A765	6	34422	17.1	0	241.5	--	--
Mycogen 2M797	6	33795	18.4	3	241.3	--	--
Exsegen ES414	2, 4	32247	17.1	4	240.7	201.1	220.9
Gateway 5216HX	3, 10	34246	19.6	3	238.6	--	--
Dyna-Gro 57K58	10	32704	16.8	4	238.1	190.2	214.2
Pioneer 33M54	2, 9, 10	34328	17.5	4	237.8	188.7	213.3
Pioneer 33P70 (YGCB/RR2)	2, 9, 10	33864	19.1	3	237.4	--	--
MFA MORCORN MC4072 CB	5	34262	15.1	1	236.5	--	--
Terral TV25R31	9	33767	21.5	0	236.4	180.4	208.4
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	35103	16.7	2	236.3	--	--
UniSouth BG RR/CB 1163	10	34524	14.4	8	235.8	--	--
Mersch. M-612D-3	1, 4, 10, 12	34974	14.9	0	235.2	--	--
Pioneer 33N56	2, 9, 10	33317	15.2	2	235.1	188.5	211.8
Dyna-Gro 57K14	10	33946	16.2	1	235.0	190.3	212.7
DEKALB DKC61-72 (RR2)	10	34096	14.9	4	233.7	189.6	211.7
Croplan Genetics 799RR2	5	33435	18.1	10	232.7	--	--
DEKALB DKC61-45 (RR2/YGCB)	10	35736	14.1	1	232.2	--	--
AgriGold A6622	10	34901	16.6	6	231.2	--	--
Dyna-Gro 58K02	10	32343	18.2	4	231.2	--	--
FFR 690	10	33392	14.8	3	231.0	--	--
UniSouth FB 927RRCB	5, 9, 10	32937	17.1	6	230.9	--	--
Pioneer 33Y45	2, 7, 9, 10	35017	15.8	3	230.6	--	--
Garst 8350YG1	6	34531	16.5	0	230.6	192.1	211.4
DEKALB DKC63-81 (RR2/YGCB)	10	35498	16.4	4	228.0	--	--
AgriGold A6474Bt	10	33702	15.7	0	228.0	--	--
UniSouth BG 85D07	10	34546	16.4	11	227.6	--	--
Dyna-Gro 57K33	10	33321	18.6	8	227.3	--	--
NK Brand N68-B8	6	34838	16.8	9	226.5	--	--
Terral TVX25R501	9	34136	17.4	3	225.9	--	--
Willcross 3116RRCB	10	33564	15.1	0	225.3	--	--
Crow's 5261R	6	34545	15.9	0	224.2	--	--
Dyna-Gro 58K40	10	32459	19.4	3	222.4	--	--
Wyffels W8720	2, 7, 9, 10	33241	18.3	0	222.1	177.5	199.8
Crow's 4614R	6	35227	16.5	13	221.2	--	--
Crow's 4981R	6	33853	16.7	3	221.1	--	--

TABLE 33. Continued.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
Laser L-8H68Bt/RR	3, 5	34334	14.1	2	220.4	--	--
Willcross 3157X2	10	33240	17.1	2	219.8	--	--
Belle 1525R	6	31073	20.6	1	218.6	165.9	192.3
Crow's 5152R	6	34088	16.1	5	218.0	--	--
FFR 746RRBT	10	31699	16.7	10	217.9	--	--
MFA MORCORN XP164C	10	34484	12.4	3	214.7	--	--
Croplan Genetics 643RR2/BT	5	33035	13.0	4	212.9	--	--
Dyna-Gro 56K70	10	33351	12.5	3	210.6	--	--
Laser L-8H21RR	3, 5	33814	14.8	3	210.3	--	--
AgriGold A6522	10	32526	16.6	4	203.7	--	--
TEST AVERAGE		34044	17.5	5	244.0	194.1	219.1
L.S.D. AT .10		1691	1.4	12	14.7	16.9	
C.V. %		3.6	5.8		4.2	6.1	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 34. Performance Summary for Irrigated Hybrids evaluated at Three Southeast Missouri locations (Oran, Charleston, Portageville Clay) during 2006.

Brand-Hybrid	Yield (Bu/Acre)			
	Oran	Charleston	Portageville Clay	Mean
Irrigated				
Garst 8294YG1/IT	234.1*	279.6*	268.8*	260.8**
NK Brand N76-D3	237.7*	280.3**	264.3*	260.8**
Garst 8247YG1	238.6**	274.2*	269.0*	260.6*
Belle 1533Y	216.4	267.6*	277.6**	253.9*
Terral TV26BR41	230.4*	268.0*	261.8	253.4*
Garst 8275YG1	220.5*	265.7*	273.8*	253.3*
Crow's 6620B	221.5*	268.2*	266.1*	251.9*
Pioneer 31D58	230.7*	276.4*	248.6	251.9*
NK Brand N70-T9	226.4*	262.9*	259.7	249.7*
Willcross 3194CB	226.3*	267.0*	254.3	249.2
Gateway 2416YGCB	222.0*	263.3*	262.3	249.2
MFA MORCORN MC4474 CB	233.8*	246.6	266.6*	249.0
Trisler T-5338CB	222.8*	268.4*	255.5	248.9
Dyna-Gro 58P59	225.0*	258.7*	262.6	248.8
Gateway 4916YGCBRR2	235.0*	260.4*	250.0	248.5
Gateway 4415YGCB	230.3*	258.0*	256.2	248.2
Belle 1545RY	233.3*	261.0*	247.6	247.3
AgriGold A6633Bt	219.1*	259.3*	263.5*	247.3
NK Brand N65-C5	219.5*	260.5*	260.6	246.9
Mersch. M-314A-3 (P1250)	221.2*	256.5	261.0	246.2
Dyna-Gro 57F87	213.3	259.0*	266.0*	246.1
Trisler T-5337CB	220.4*	260.1*	257.2	245.9
Mycogen 2C727	225.4*	255.5	256.1	245.7
Dyna-Gro 58P45	224.1*	268.2*	243.8	245.4
Mycogen 2T780	203.0	263.6*	269.4*	245.3
UniSouth FB 814CB	224.8*	247.3	262.9*	245.0
DEKALB DKC67-23 (RR2/YGCB)	214.9	272.2*	247.4	244.8
Belle 1747RY	221.4*	263.1*	249.9	244.8
Dyna-Gro 57K58	223.8*	272.0*	238.1	244.6
ASGROW RX715RR2/YGCB	232.2*	259.5*	241.7	244.5
Laser L-9H93BT	215.7	268.7*	248.8	244.4
MFA MORCORN XP161	217.3	262.0*	253.6	244.3
Willcross 3137X1HX	216.8	253.4	262.1	244.1
Wyffels W7389	214.4	261.6*	253.2	243.1
Croplan Genetics 691 BTLL	214.7	256.9	256.6	242.7
MFA MORCORN XP168	222.6*	254.4	250.4	242.5
DEKALB DKC66-23 (RR2/YGCB)	214.1	265.2*	247.9	242.4
Mersch. M-314A-3	215.5	255.9	255.7	242.4
Pioneer 31N28 (YGCB)	234.8*	239.5	251.8	242.0
Croplan Genetics 818RR2/BT	215.2	259.5*	250.9	241.9
Dyna-Gro 57P69	206.5	263.3*	255.5	241.8
Croplan Genetics 799RR2	223.6*	268.7*	232.7	241.7
Golden Harvest H-9251CB	211.3	256.1	256.6	241.3
Dyna-Gro 58P60	221.8*	255.6	246.3	241.2
AgriGold A6585Bt	210.2	256.2	256.3	240.9
Dyna-Gro 57P12	209.2	254.5	258.0	240.6
Mycogen 2M797	225.2*	255.2	241.3	240.6
Willcross 3157X3CB	211.1	251.4	259.0	240.5
Golden Harvest H-9461	215.3	261.6*	242.6	239.8
FFR 736BT	215.3	246.9	257.0	239.7

Table 34. Continued.

Brand-Hybrid	Yield (Bu/Acre)			
	Oran	Charleston	Portageville Clay	Mean
Irrigated				
Crow's 7S322	194.9	266.3*	257.9	239.7
Pioneer 33M54	231.4*	249.3	237.8	239.5
Crow's 5176S	226.5*	237.4	254.6	239.5
Wyffels W7383	211.5	255.0	250.9	239.1
UniSouth BG 85D07	210.8	278.7*	227.6	239.0
UniSouth BG RR/CB 1163	215.9	265.4*	235.8	239.0
Wyffels W8603	209.9	238.3	267.8*	238.7
Pioneer 33P70 (YGCB/RR2)	208.9	269.0*	237.4	238.4
Dyna-Gro 57N96	215.5	255.6	244.1	238.4
Golden Harvest H-9006Bt	215.9	246.8	251.7	238.1
NK Brand N68-B8	217.1	266.7*	226.5	236.8
FFR 835BT	213.4	240.1	255.5	236.3
Garst 8225YG1/RR	212.6	242.5	253.5	236.2
Mycogen 2A765	214.9	252.2	241.5	236.2
Gateway 5216HX	222.5*	247.1	238.6	236.1
Terral TV25R31	212.7	257.9*	236.4	235.7
Pioneer 34A16 (HX1/LL)	213.9	255.0	236.3	235.1
AgriGold A6474Bt	217.3	259.6*	228.0	235.0
Pioneer 33N59 (HX1/LL)	209.0	250.0	243.5	234.2
Mersch. M-512C-3	221.5*	234.8	246.0	234.1
Exsegen ES414	209.2	251.5	240.7	233.8
DEKALB DKC61-72 (RR2)	207.3	260.0*	233.7	233.7
Crow's 5261R	212.4	261.3*	224.2	232.6
Mersch. M-711E-3	195.0	259.9*	241.7	232.2
AgriGold A6455Bt	204.3	239.7	252.3	232.1
Garst 8350YG1	214.5	250.8	230.6	232.0
Willcross 3125CBRR	201.7	243.1	250.9	231.9
UniSouth FB 905RRCB	193.9	254.4	246.6	231.6
DEKALB DKC63-46 (RR2/YGCB)	205.5	241.8	245.4	230.9
DEKALB DKC61-45 (RR2/YGCB)	191.5	269.0*	232.2	230.9
DEKALB DKC63-81 (RR2/YGCB)	202.9	259.8*	228.0	230.2
Pioneer 33N56	209.8	244.4	235.1	229.8
AgriGold A6622	196.9	252.9	231.2	227.0
Mersch. M-612D-3	198.1	247.6	235.2	227.0
Dyna-Gro 57K33	204.3	243.7	227.3	225.1
MFA MORCORN MC4072 CB	193.8	244.5	236.5	224.9
Willcross 3167X2RRCB	196.5	234.2	242.7	224.5
Wyffels W8720	213.7	237.0	222.1	224.3
Crow's 4614R	203.2	246.5	221.2	223.6
Pioneer 33Y45	207.2	233.0	230.6	223.6
Dyna-Gro 58K40	202.8	243.6	222.4	222.9
Dyna-Gro 57K14	195.9	236.0	235.0	222.3
FFR 756RRBT	184.4	237.9	243.8	222.0
Willcross 3116RRCB	195.6	241.4	225.3	220.8
Crow's 4981R	198.8	241.9	221.1	220.6
Crow's 5152R	190.4	252.9	218.0	220.4
UniSouth FB 927RRCB	196.7	232.9	230.9	220.2
Willcross 3157X2	209.1	228.1	219.8	219.0
Croplan Genetics 643RR2/BT	207.7	234.4	212.9	218.3
Laser L-8H68Bt/RR	196.9	235.9	220.4	217.7
Dyna-Gro 58K02	195.0	226.9	231.2	217.7
Terral TVX25R501	196.7	230.1	225.9	217.6
AgriGold A6522	213.5	234.6	203.7	217.3
Belle 1525R	195.0	234.3	218.6	216.0

Table 34. Continued.

Brand-Hybrid	Yield (Bu/Acre)			Mean
	Oran	Charleston	Portageville Clay	
Irrigated				
MFA MORCORN XP164C	194.0	238.0	214.7	215.6
FFR 690	188.7	225.9	231.0	215.2
FFR 746RRBT	196.1	231.2	217.9	215.1
Laser L-8H21RR	185.0	249.7	210.3	215.0
Dyna-Gro 56K70	203.8	230.2	210.6	214.9
TEST AVERAGE	212.7	253.2	244.0	236.6
L.S.D. AT .10	20.5	22.7	14.7	11.3
C.V. %	6.9	6.4	4.2	5.8

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

Note: To view seed treatments for these hybrids refer to the location table or the characteristics chart.

TABLE 35. New Technology Corn Test

Southeast Region: Oran, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=5.7, OM=1.2%, P=70, K=254

European Corn Borer Rating: Damaged Plants= 100%, Tunnel Length/Plant= 7.8 in.

Rainfall: Apr.=2.3, May=8.3, June=2.2, July=8.8, Aug.=5.0 Total=26.6 in.

Irrigation: 7 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
Lewis 7095 PL/RR	9, 10, 12	29447	17.3	0	255.4**	257.3	256.4
Dyna-Gro 57B90	10	30231	16.8	0	255.2*	--	--
High Yield Check 6	-	27443	17.0	0	247.0*	249.6	248.3
High Yield Check 5	-	26746	17.0	0	241.8*	239.4	240.6
High Yield Check 4	-	26398	15.4	0	240.4*	245.1	242.8
Mycogen 2T828	6	28662	16.9	0	237.4	--	--
Trisler T-5337PLRR	1, 4, 10	26833	16.7	0	235.7	255.8	245.8
Wyffels W8601	2, 7, 9, 10	29446	17.2	0	235.0	--	--
Wyffels W8171	2, 7, 9, 10	28140	15.8	0	227.1	--	--
Lewis 5997 PL/RR	9, 10	29272	15.8	0	220.6	--	--
Wyffels W8251	2, 7, 9, 10	27443	16.1	0	216.4	--	--
TEST AVERAGE		28187	16.5	0	237.5	247.3	242.4
L.S.D. AT .10		NS	0.9	NS	17.7	NS	
C.V. %		8.4	4.7		6.2	6.1	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 36. **New Technology Corn Test**

Southeast Region: Charleston, MO (Mississippi County)

Soil Type: Dundee Silt Loam Soil Test: pH=6.6, OM=1.6%, P=114, K=296

European Corn Borer Rating: Damaged Plants= 48%, Tunnel Length/Plant= 3.9 in.

Rainfall: Apr.=4.5, May=6.8, June=2.9, July=4.5, Aug.=3.6 Total=22.3 in.

Irrigation: 12 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006 -----bu/acre-----	2005	
High Yield Check 6	-	32670	14.3	0	271.9**	245.6*	258.8
High Yield Check 5	-	30405	13.8	0	266.3*	251.0*	258.7
Mycogen 2T828	6	31799	14.2	0	264.3*	--	--
Dyna-Gro 57B90	10	32496	13.7	0	261.9*	--	--
Trisler T-5337PLRR	1, 4, 10	32844	14.2	0	261.8*	252.5*	257.2
High Yield Check 4	-	32932	13.6	0	261.2*	227.0	244.1
Wyffels W8251	2, 7, 9, 10	33280	13.2	0	257.3	--	--
Lewis 7095 PL/RR	9, 10, 12	31276	14.0	0	256.7	241.4*	249.1
Wyffels W8171	2, 7, 9, 10	32234	13.6	0	253.6	--	--
Wyffels W8601	2, 7, 9, 10	31973	13.7	0	251.8	--	--
Lewis 5997 PL/RR	9, 10	32583	13.4	0	246.6	--	--
TEST AVERAGE		32227	13.8	0	259.4	238.3	248.9
L.S.D. AT .10		NS	0.4	0	10.7	25.6	
C.V. %		5.7	2.6		3.4	9.1	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

NS Not Significant

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 37. New Technology Corn Test

Southeast Region: Portageville Clay, MO (Pemiscot County)

Soil Type: Portageville Clay Soil Test: pH=6.6, OM=2.1%, P=60, K=600

European Corn Borer Rating: Damaged Plants= 100%, Tunnel Length/Plant= 3.9 in.

Rainfall: Apr.=2.2, May=5.4, June=1.9, July=7.5, Aug.=1.7 Total=18.7 in.

Irrigation: 7 in.

Brand-Variety	Seed Treatment ⁺	2006			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2006	2005	
High Yield Check 6	-	34325	17.4	37	264.6**	201.4	233.0
Wyffels W8601	2, 7, 9, 10	33454	17.2	22	253.2*	--	--
High Yield Check 4	-	33890	15.5	0	252.7*	191.3	222.0
Trisler T-5337PLRR	1, 4, 10	33628	17.4	27	251.0*	219.5*	235.3
Mycogen 2T828	6	34761	17.7	35	250.2*	--	--
Lewis 7095 PL/RR	9, 10, 12	33280	17.6	36	248.0*	232.3**	240.2
Lewis 5997 PL/RR	9, 10	34325	14.6	2	246.1	--	--
High Yield Check 5	-	31501	17.1	16	244.4	196.8	220.6
Wyffels W8171	2, 7, 9, 10	32662	14.3	6	234.2	--	--
Dyna-Gro 57B90	10	31538	17.0	17	231.4	--	--
Wyffels W8251	2, 7, 9, 10	33476	14.7	0	225.2	--	--
TEST AVERAGE		33349	16.4	18	245.5	206.8	226.2
L.S.D. AT .10		1895	1.3	20	17.8	14.7	
C.V. %		4.7	6.8		6.0	6.0	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

TABLE 38. Performance Summary for New Technology Hybrids evaluated at Three Southeast Missouri locations (Oran, Charleston, Portageville Clay) during 2006.

<u>Oran</u> Planted: 04-04 Harvested: 09-07 Growing Season Rainfall: 26.6 in. Irrigation: 7 in.	<u>Charleston</u> Planted: 04-05 Harvested: 09-06 Growing Season Rainfall: 22.3 in. Irrigation: 12 in.	<u>Portageville Clay</u> Planted: 04-18 Harvested: 09-06 Growing Season Rainfall: 18.7 in. Irrigation: 7 in.
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Brand-Hybrid	Yield (Bu/Acre)			
	Oran	Charleston	Portageville Clay	Mean
New Technology				
High Yield Check 6	247.0*	271.9**	264.6**	261.2**
Lewis 7095 PL/RR	255.4**	256.7	248.0*	253.4*
High Yield Check 4	240.4*	261.2*	252.7*	251.4
High Yield Check 5	241.8*	266.3*	244.4	250.8
Mycogen 2T828	237.4	264.3*	250.2*	250.6
Trisler T-5337PLRR	235.7	261.8*	251.0*	249.5
Dyna-Gro 57B90	255.2*	261.9*	231.4	249.5
Wyffels W8601	235.0	251.8	253.2*	246.7
Wyffels W8171	227.1	253.6	234.2	238.3
Lewis 5997 PL/RR	220.6	246.6	246.1	237.8
Wyffels W8251	216.4	257.3	225.2	233.0
TEST AVERAGE	237.5	259.4	245.5	247.5
L.S.D. AT .10	17.7	10.7	17.8	8.9
C.V. %	6.2	3.4	6.0	5.2

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

Note: To view seed treatments for these hybrids refer to the location table or the characteristics chart.

Characteristics for Seed Corn Entered in the 2006 Missouri Corn Tests

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res	Insect Res	Table Numbers
AgriGold A6455Bt	10	None	110	3	None	YGCB	31, 32, 33, 34
AgriGold A6474Bt	10	None	111	2	None	YGCB	31, 32, 33, 34
AgriGold A6522	10	None	113	2	None	None	31, 32, 33, 34
AgriGold A6585Bt	8, 9, 10	None	114	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 31, 32, 33, 34
AgriGold A6594Bt	10	None	114	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21
AgriGold A6622	10	None	115	2	None	None	31, 32, 33, 34
AgriGold A6633Bt	8, 9, 10	None	115	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 31, 32, 33, 34
ASGROW RX715RR2/YGCB	10	None	111	3	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 31, 32, 33, 34
ASGROW RX752RR/YG	10	None	112	4	GR	YGCB	23, 24, 25, 26, 27, 28, 29
ASGROW RX754RR2	10	None	112	3	GR	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29
ASGROW RX785RR2/YGCB	10	None	113	4	GR	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21
Belle 1525R	6	None	115	1	GR	None	31, 32, 33, 34
Belle 1533Y	6	None	115	2	None	YGCB	31, 32, 33, 34
Belle 1545RY	6	None	115	2	GR	YGCB	31, 32, 33, 34
Belle 1747RY	6	None	117	1	GR	YGCB	31, 32, 33, 34
BioGene BG1128	1, 4, 10	None	112	2	None	None	2, 3, 4, 5, 6, 7
BioGene BG82N07	1, 4, 10	None	112	2	None	None	2, 3, 4, 5, 6, 7
BioGene RR/CB1163	1, 4, 10	None	114	5	GR	YGCB	2, 3, 4, 5, 6, 7
Burrus 492S	1, 4, 10, 12	HFC	109	2	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Burrus 572RWR	10, 12	Hard Endo	113	2	GR	YGRW	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Burrus 794S	1, 4, 10, 12	HES	115	2	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Burrus 796T	1, 4, 10, 12	HES	115	2	GR	YGPL	8, 9, 10, 11
Croplan Genetics 643RR2/BT	5	None	111	2	GR	YGCB	31, 32, 33, 34
Croplan Genetics 691 BTLL	5	None	113	1	LL	YGCB	31, 32, 33, 34
Croplan Genetics 799RR2	5	None	117	1	GR	None	31, 32, 33, 34
Croplan Genetics 818RR2/BT	5	None	118	1	GR	YGCB	31, 32, 33, 34
Crow's 4614R	6	None	110	2	GR	YGCB	31, 32, 33, 34
Crow's 4981R	6	None	112	2	GR	None	31, 32, 33, 34
Crow's 5152R	6	None	113	2	GR	None	31, 32, 33, 34
Crow's 5176S	6	None	113	3	GR	YGCB	31, 32, 33, 34
Crow's 5261R	6	None	114	3	GR	None	31, 32, 33, 34
Crow's 6620B	6	None	116	2	None	YGCB	31, 32, 33, 34
Crow's 7S322	6	None	111	2	GR	YGCB	31, 32, 33, 34
DEKALB DKC60-19 (RR2/YGCB)	10	None	110	3	GR	YGCB	23, 24, 25, 26
DEKALB DKC61-45 (RR2/YGCB)	10	None	111	3	GR	YGCB	31, 32, 33, 34
DEKALB DKC61-72 (RR2)	10	None	111	4	GR	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res	Insect Res	Table Numbers
DEKALB DKC63-46 (RR2/YGCB)	10	None	113	3	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34
DEKALB DKC63-81 (RR2/YGCB)	10	None	113	3	GR	YGCB	2, 3, 4, 5, 6, 7, 31, 32, 33, 34
DEKALB DKC64-27 (RR2)	10	None	114	3	GR	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29
DEKALB DKC64-81 (YGCB)	10	None	114	5	None	YGCB	23, 24, 25, 26, 27, 28, 29
DEKALB DKC66-23 (RR2/YGCB))	10	None	116	4	GR	YGCB	31, 32, 33, 34
DEKALB DKC67-23 (RR2/YGCB)	10	None	117	4	GR	YGCB	31, 32, 33, 34
Dyna-Gro 56K70	10	None	109	2	GR	None	31, 32, 33, 34
Dyna-Gro 57B90	10	None	113	3	GR	YGPL	35, 36, 37, 38
Dyna-Gro 57B94	10	None	114	3	GR	YGPL	8, 9, 10, 11
Dyna-Gro 57F06	10	None	113	2	None	YGCB	13, 14, 15, 16, 17, 18, 23, 24, 25, 26
Dyna-Gro 57F32	10	None	112	2	None	YGCB	23, 24, 25, 26
Dyna-Gro 57F37	10	HFC	114	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 23, 24, 25, 26
Dyna-Gro 57F87	10	None	115	2	None	YGCB	23, 24, 25, 26, 31, 32, 33, 34
Dyna-Gro 57K14	10	None	111	2	GR	None	31, 32, 33, 34
Dyna-Gro 57K33	10	None	114	2	GR	None	31, 32, 33, 34
Dyna-Gro 57K58	10	None	115	2	GR	None	31, 32, 33, 34
Dyna-Gro 57N96	10	None	114	3	None	None	31, 32, 33, 34
Dyna-Gro 57P01	10	None	113	NA	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Dyna-Gro 57P12	10	None	115	3	GR	YGCB	13, 14, 15, 16, 17, 18, 31, 32, 33, 34
Dyna-Gro 57P28	10	None	112	NA	GR	YGCB	2, 3, 4, 5, 6, 7
Dyna-Gro 57P46	10	None	113	3	GR	YGCB	23, 24, 25, 26
Dyna-Gro 57P69	10	None	113	3	GR	YGCB	31, 32, 33, 34
Dyna-Gro 57X78	2, 10	None	113	2	None	HX1	23, 24, 25, 26
Dyna-Gro 57X97	10	None	114	2	None	HX1	23, 24, 25, 26
Dyna-Gro 58K02	10	None	117	2	GR	None	31, 32, 33, 34
Dyna-Gro 58K40	10	None	117	2	GR	None	31, 32, 33, 34
Dyna-Gro 58P45	10	None	120	2	GR	YGCB	31, 32, 33, 34
Dyna-Gro 58P59	10	None	116	2	GR	YGCB	23, 24, 25, 26, 31, 32, 33, 34
Dyna-Gro 58P60	10	None	120	2	GR	YGCB	31, 32, 33, 34
Dyna-Gro CX06114	10	None	114	NA	GR	YGCB	2, 3, 4, 5, 6, 7
Exsegen ES414	2, 4	HES	114	2	None	None	31, 32, 33, 34
FFR 690	10	None	112	3	None	None	31, 32, 33, 34
FFR 736BT	10	None	112	4	None	YGCB	31, 32, 33, 34
FFR 746RRBT	10	None	115	3	GR	YGCB	31, 32, 33, 34
FFR 756RRBT	10	None	115	2	GR	YGCB	31, 32, 33, 34
FFR 835BT	10	None	116	2	None	YGCB	31, 32, 33, 34
Fontanelle 7931	9, 10	None	116	2	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21
Fontanelle 7951	9, 10	HES	115	3	None	None	13, 14, 15, 16, 17, 18, 19, 20, 21
Fontanelle 7K733	9, 10	None	111	2	GR	YGPL	8, 9, 10, 11
Fontanelle 8K389	9, 10	None	112	2	GR	YGPL	8, 9, 10, 11
Fontanelle 8R403	9, 10	None	114	3	GR	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21
Garst 8225YG1/RR	6	None	117	3	GR	YGCB	31, 32, 33, 34

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res	Insect Res	Table Numbers
Garst 8247YG1	6	None	117	1	None	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21, 31, 32, 33, 34
Garst 8275YG1	6	None	116	3	None	YGCB	27, 28, 29, 31, 32, 33, 34
Garst 8294YG1/IT	6	FG	118	2	CF	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34
Garst 8350YG1	6	None	116	3	None	YGCB	13, 14, 15, 16, 17, 18, 31, 32, 33, 34
Garst 8353CB/LL	6	None	114	3	LL	Agrisure CB	19, 20, 21
Garst 8380IT	6	None	115	3	CF	None	2, 3, 4, 5, 6, 7
Garst 8452CB/LL	6	None	112	3	LL	Agrisure CB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 23, 24, 25, 26
Garst 8535YG1/IT	6	None	108	2	CF	YGCB	2, 3, 4, 5, 6, 7, 23, 24, 25, 26
Gateway 2416YGCB	3, 10	HES	116	2	None	YGCB	31, 32, 33, 34
Gateway 4415YGCB	3, 10	None	115	3	None	YGCB	31, 32, 33, 34
Gateway 4916YGCBRR2	3, 10	HES	116	2	GR	YGCB	31, 32, 33, 34
Gateway 5216HX	3, 10	None	116	2	LL	HXI	31, 32, 33, 34
Golden Harvest H-9006Bt	3, 5	HES	111	4	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21, 31, 32, 33, 34
Golden Harvest H-9190Hx	3, 5	None	113	3	LL	HXI	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21
Golden Harvest H-9251CB	3, 5	None	113	3	LL	Agrisure CB	31, 32, 33, 34
Golden Harvest H-9461	3, 5	None	115	3	None	None	31, 32, 33, 34
High Yield Check 1	-						8, 9, 10, 11
High Yield Check 2	-						8, 9, 10, 11
High Yield Check 3	-						8, 9, 10, 11
High Yield Check 4	-						35, 36, 37, 38
High Yield Check 5	-						35, 36, 37, 38
High Yield Check 6	-						35, 36, 37, 38
Hubner H4677CB	9, 10, 12	None	113	3	None	YGCB	2, 3, 4, 5, 6, 7
Hubner H5808PL	9, 10, 12	None	117	3	None	YGPL	2, 3, 4, 5, 6, 7
Kruger 0215	2, 9, 10	None	115	2	None	None	2, 3, 4, 5, 6, 7
Kruger 0313	2, 9, 10	None	113	1	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Kruger 0413	2, 9, 10	None	113	2	None	None	2, 3, 4, 5, 6, 7
Kruger 0515	2, 9, 10	None	115	3	None	None	2, 3, 4, 5, 6, 7
Kruger 0610	2, 9, 10	None	110	2	None	None	2, 3, 4, 5, 6, 7
Kruger 0612	2, 6, 9	None	112	2	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Kruger 0615	2, 6, 9	FG	115	2	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 2410RR/YGCB	2, 6, 9	None	110	2	GR	YGCB	2, 3, 4, 5, 6, 7
Kruger 2414RR/YGCB	2, 6, 9	None	114	3	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Kruger 2517RR/YGCB	2, 6, 9	HES	116	3	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 5310YGCB	2, 6, 9	None	110	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 5313YGCB	2, 6, 9	None	113	1	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Kruger 5315BTLLA	2, 6, 9	None	115	2	LL	Agrisure CB	2, 3, 4, 5, 6, 7
Kruger 5315BTLLB	2, 6, 9	None	115	3	LL	Agrisure CB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res	Insect Res	Table Numbers
Kruger 5416YGCB	2, 6, 9	HFC	115	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 5512BTLL	2, 6, 9	None	112	2	LL	Agrisure CB	2, 3, 4, 5, 6, 7
Kruger 5514YGCB	2, 6, 9	None	114	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 5517YGCB	2, 6, 9	HES	116	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 5613YGCB	2, 9, 10	None	113	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 5617YGCB	2, 9, 10	None	117	2	None	YGCB	2, 3, 4, 5, 6, 7
Kruger 6611TS	2, 6, 9	None	111	3	GR	YGPL	8, 9, 10, 11
Kruger 6612TS	2, 9, 10	None	112	3	GR	YGPL	8, 9, 10, 11
Kruger 7613YG+	2, 9, 10	None	113	3	None	YGPL	8, 9, 10, 11
Kruger 8213HX	2, 9, 10	None	113	2	LL	HX1	2, 3, 4, 5, 6, 7
Kruger 8414HX	2, 6, 9	None	114	2	LL	HX1	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 8512HX	2, 9, 10	None	112	3	LL	HX1	2, 3, 4, 5, 6, 7
Kruger 8516HX	2, 9, 10	None	116	2	LL	HX1	2, 3, 4, 5, 6, 7
Kruger 8614HXB	2, 9, 10	None	114	4	LL	HX1	2, 3, 4, 5, 6, 7
Kruger 8615HX	2, 6, 9	FG	115	2	LL	HX1	2, 3, 4, 5, 6, 7
Kruger 8616HX	2, 6, 9	None	117	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 9111YGCB	2, 6, 9	None	111	4	None	YGCB	2, 3, 4, 5, 6, 7
Kruger 9115RR/YGCB	2, 6, 9	HES	115	3	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 9115TS	2, 6, 9	HES	115	3	GR	YGPL	8, 9, 10, 11
Kruger 9212RR/YGCB	2, 6, 9	None	112	4	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Kruger 9212TS	2, 6, 9	None	112	4	GR	YGPL	8, 9, 10, 11
Kruger 9310TS	2, 6, 9	None	110	1	GR	YGPL	8, 9, 10, 11
Kruger 9313RR/YGCB	2, 6, 9	HES, HFC	113	1	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29
Laser L-8H68Bt/RR	3, 5	None	111	3	GR	YGCB	31, 32, 33, 34
Laser L-8H21RR	3, 5	None	111	3	GR	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 31, 32, 33, 34
Laser L-9H63BT	3, 5	None	115	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21
Laser L-9H93BT	3, 5	None	114	4	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 31, 32, 33, 34
Lewis 4886 PL	9, 10, 12	None	109	3	None	YGPL	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Lewis 5343 CB	9, 10, 12	HES	110	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Lewis 5567 CB/RR	9, 10	FG	111	3	GR	YGCB	2, 3, 4, 5, 6, 7
Lewis 5997 PL/RR	9, 10	FG	112	2	GR	YGPL	8, 9, 10, 11, 35, 36, 37, 38
Lewis 7044 CB	9, 10, 12	HES	116	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Lewis 7065 CB/RR	9, 10, 12	HES	116	3	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Lewis 7095 PL/RR	9, 10, 12	HES	116	3	GR	YGPL	35, 36, 37, 38
LG 2615	2, 9, 10	None	113	2	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
LG 2625Bt	2, 8, 9, 10	None	114	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res	Insect Res	Table Numbers
LG 2640Bt	2, 8, 9, 10	None	115	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Mersch. M-314A-1	1, 4, 10, 12	HES	114	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Mersch. M-314A-3	1, 4, 10, 12	HES	114	2	GR	YGCB	31, 32, 33, 34
Mersch. M-314A-3 (P1250)	1, 4, 11, 12	HES	114	2	GR	YGCB	31, 32, 33, 34
Mersch. M-509A-1	1, 4, 10, 12	HP, HFC	109	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Mersch. M-512C-1	1, 4, 10, 12	HFC	112	1	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Mersch. M-512C-3	1, 4, 10, 12	HFC	112	1	GR	YGCB	31, 32, 33, 34
Mersch. M-612D-1	1, 4, 10, 12	HP	112	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Mersch. M-612D-3	1, 4, 10, 12	HP	112	2	GR	YGCB	31, 32, 33, 34
Mersch. M-613B-1	1, 4, 10, 12	HP, HFC	113	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Mersch. M-711E-1	1, 4, 10, 12	None	111	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Mersch. M-711E-3	1, 4, 10, 12	None	111	2	GR	YGCB	31, 32, 33, 34
MFA MORCORN MC4072 CB	5	None	110	2	None	YGCB	2, 3, 4, 5, 6, 7, 31, 32, 33, 34
MFA MORCORN MC4173 RR/CB	5	HES	111	1	GR	YGCB	13, 14, 15, 16, 17, 18
MFA MORCORN MC4474 CB	5	None	114	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34
MFA MORCORN XP160	10	None	110	2	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
MFA MORCORN XP161	10	None	114	2	GR	YGCB	31, 32, 33, 34
MFA MORCORN XP164C	10	None	111	2	GR	YGRW	2, 3, 4, 5, 6, 7, 31, 32, 33, 34
MFA MORCORN XP166	10	None	110	2	None	None	13, 14, 15, 16, 17, 18
MFA MORCORN XP168	10	None	114	2	None	YGPL	31, 32, 33, 34
Midland MG 436BT	10	None	111	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26
Midland MG 617BT	10	None	113	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26
Midland MG 7A28BT/RR	10	None	115	3	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Midland MG 7A53BT	10	None	111	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29
Midland MG 7A58BT/RR	10	None	117	3	GR	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29
Mycogen 2A765	6	None	113	3	GR	YGCB	19, 20, 21, 31, 32, 33, 34
Mycogen 2C727	6	None	112	4	LI	HX1	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 31, 32, 33, 34
Mycogen 2M797	6	None	115	2	LL	HX1	13, 14, 15, 16, 17, 18, 19, 20, 21, 31, 32, 33, 34
Mycogen 2P722	6	None	111	4	LL	HX1	2, 3, 4, 5, 6, 7, 23, 24, 25, 26
Mycogen 2T780	6	None	114	4	LL	HX1	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 31, 32, 33, 34
Mycogen 2T828	6	None	115	3	GR	YGPL	35, 36, 37, 38
NC+ 4947RB	6	None	111	2	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 23, 24, 25, 26, 27, 28, 29

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res	Insect Res	Table Numbers
NC+ 4973RB	6	None	112	2	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
NC+ 5555HL	6	None	115	3	LL	HX1	23, 24, 25, 26, 27, 28, 29
NC+ 6122RB	6	HES	116	3	GR	YGCB	23, 24, 25, 26, 27, 28, 29
NK Brand N65-C5	6	None	109	5	LL	Agrisure CB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34
NK Brand N67-D6	6	None	109	4	LL, GR	Agrisure CB	8, 9, 10, 11
NK Brand N68-B8	6	None	110	2	LL	Agrisure CB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34
NK Brand N70-C7	6	None	112	3	GR, LL	Agrisure CB	8, 9, 10, 11
NK Brand N70-T9	6	None	112	3	LL, CL	Agrisure CB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34
NK Brand N72-G8	6	None	112	1	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
NK Brand N76-D3	6	None	113	3	LL	Agrisure CB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 31, 32, 33, 34
NuTech NT-1915 CB/LL	10	None	115	2	LL	YGCB	2, 3, 4, 5, 6, 7
NuTech NT-2114 HX	9, 10	None	114	4	None	HX1	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
NuTech NT-2613 HX	9, 10	None	113	1	None	HX1	2, 3, 4, 5, 6, 7
NuTech NT-4014 YGCB	10	None	114	3	None	YGCB	2, 3, 4, 5, 6, 7
NuTech NT-4213 YGCB	5	None	113	1	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
NuTech NT-4616 YGCB	5	None	116	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
NuTech NT-5616 RR/YGCB	5	None	116	3	GR	YGCB	2, 3, 4, 5, 6, 7
NuTech NT-8913 YGPL	10	None	113	1	None	YGPL	2, 3, 4, 5, 6, 7
NuTech NT-9415 RR/YGPL	5	None	115	4	GR	YGPL	8, 9, 10, 11
NuTech NT-9616 RR/YGPL	5	None	116	3	GR	YGPL	8, 9, 10, 11
NuTech NX-5416 RR/YGCB	10	None	114	3	GR	YGCB	2, 3, 4, 5, 6, 7
NuTech NX-5516 RR/YGCB	10	None	116	3	GR	YGCB	2, 3, 4, 5, 6, 7
NuTech NX-9316 RR/YGPL	10	None	116	4	GR	YGPL	8, 9, 10, 11
Pfister 2730RR-Bt	9, 10	None	111	1	GR	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21
Pfister 3356RR-Bt	9, 10	None	115	1	GR	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21
Pioneer 31D58	2, 9, 10	None	119	3	None	None	31, 32, 33, 34
Pioneer 31N28 (YGCB)	2, 9, 10	YFC, HAE	119	4	None	YGCB	31, 32, 33, 34
Pioneer 31P41	2, 9, 10	HTF	118	3	None	None	19, 20, 21, 27, 28, 29
Pioneer 32B81	2, 9, 10	None	115	4	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 27, 28, 29
Pioneer 33A87	2, 9, 10	YFC, HAE, HTF	116	4	LL	HX1	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21
Pioneer 33D13	2, 9, 10	HTF	112	5	LL	HX1	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29
Pioneer 33K40	2, 9, 10	YFC	113	4	LL	HX1	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 23, 24, 25, 26, 27, 28, 29
Pioneer 33K42	2, 9, 10	YFC	113	4	LL	HXX	8, 9, 10, 11
Pioneer 33M54	2, 9, 10	YFC, HAE	114	3	None	None	31, 32, 33, 34

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res	Insect Res	Table Numbers
Pioneer 33N56	2, 9, 10	YFC, HAE, HTF	112	3	None	None	31, 32, 33, 34
Pioneer 33N59 (HX1/LL)	2, 9, 10	YFC, HAE, HTF	116	3	LL	HX1	31, 32, 33, 34
Pioneer 33P70 (YGCB/RR2)	2, 9, 10	YFC, HAE, HTF	114	5	GR	YGCB	31, 32, 33, 34
Pioneer 33T56	2, 9, 10	None	112	3	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29
Pioneer 33Y45	2, 7, 9, 10	HAE, YFC	115	3	None	None	19, 20, 21, 27, 28, 29, 31, 32, 33, 34
Pioneer 34A16 (HX1/LL)	2, 7, 9, 10	HTF, HES, YFC	110	4	LL	HX1	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 31, 32, 33, 34
Pioneer 34A17	2, 7, 9, 10	YFC, HES, HTF	110	4	LL, GR	HX1	8, 9, 10, 11
Pioneer 34P89	2, 7, 9, 10	HTF, HES	112	4	LL	HX1	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29
Pioneer 35A31	2, 7, 9, 10	HTF, HES	105	5	LL	HX1	23, 24, 25, 26
Pioneer 35D29	2, 7, 9, 10	HTF, HES	108	4	LL	HX1	23, 24, 25, 26
Rainbow 3105YGCB	9	None	110	3	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21, 27, 28, 29
Rainbow 3120YGCB	9	None	112	2	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21
Rainbow 3158YGCB	9	None	115	2	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21, 27, 28, 29
Rainbow X1135YGCB	9	None	113	1	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21, 27, 28, 29
Rainbow X1145YGCB	9	None	114	1	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21, 27, 28, 29
Renze 5467HX1/LL	2, 9, 12, 10	None	114	2	LL	HX1	2, 3, 4, 5, 6, 7
Renze 8386YGCB	2, 9, 12, 10	HFC	115	3	None	YGCB	2, 3, 4, 5, 6, 7
Renze 8526YGCB	2, 9, 12, 10	HES	116	4	None	YGCB	2, 3, 4, 5, 6, 7
Renze 9406YGCB/RR	2, 9, 12, 10	None	114	3	GR	YGCB	2, 3, 4, 5, 6, 7
Renze 9526 YGCB/RR	2, 9, 12, 10	HES	116	4	GR	YGCB	2, 3, 4, 5, 6, 7
Stone HC 7N412	9	None	115	1	GR	YGCB	13, 14, 15, 16, 17, 18
Stone HC 7R667	9	None	110	2	GR	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Stone HC 8N206	9	None	115	1	GR	YGCB	13, 14, 15, 16, 17, 18
Stone HC 8R533	9	None	115	2	GR	None	13, 14, 15, 16, 17, 18, 23, 24, 25, 26
Taylor 830Bt	10	None	112	3	None	YGCB	2, 3, 4, 5, 6, 7
Taylor 990 RR/Bt	10	None	117	4	GR	YGCB	19, 20, 21
Terral TV25R31	9	None	115	1	GR	None	31, 32, 33, 34
Terral TV26BR41	9	None	116	2	GR	YGCB	31, 32, 33, 34
Terral TVX25R501	9	None	114	1	GR	None	31, 32, 33, 34
Trisler T-5337CB	1, 4, 10	HES	113	2	None	YGCB	31, 32, 33, 34
Trisler T-5337PLRR	1, 4, 10	HES	113	2	GR	YGPL	35, 36, 37, 38
Trisler T-5338CB	1, 4, 10	None	113	2	None	YGCB	31, 32, 33, 34
UniSouth BG 85D07	10	None	115	2	GR	YGRW	31, 32, 33, 34
UniSouth BG RR/CB 1163	10	None	117	3	GR	YGCB	31, 32, 33, 34
UniSouth FB 814CB	9, 10	None	115	NA	GR	CB	31, 32, 33, 34

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res	Insect Res	Table Numbers
UniSouth FB 905RRCB	9, 10	None	116	NA	GR	CB	31, 32, 33, 34
UniSouth FB 927RRCB	5, 9, 10	None	117	NA	GR	CB	31, 32, 33, 34
USA 1120bt	9	None	112	1	None	YGCB	27, 28, 29
USA 1145	9	None	114	1	None	None	27, 28, 29
Willcross 3007X1RR	10	FG	100	2	GR	None	27, 28, 29
Willcross 3096YGPL	10	HES	109	3	None	YGPL	2, 3, 4, 5, 6, 7, 23, 24, 25, 26, 27, 28, 29
Willcross 3103RRCB	10	FG	110	2	GR	YGCB	2, 3, 4, 5, 6, 7
Willcross 3107X4RW	10	FG	110	3	None	YGRW	19, 20, 21, 27, 28, 29
Willcross 3116RRCB	10	FG	111	2	GR	YGCB	2, 3, 4, 5, 6, 7, 23, 24, 25, 26, 31, 32, 33, 34
Willcross 3125CBRR	10	None	112	2	GR	YGCB	13, 14, 15, 16, 17, 18, 31, 32, 33, 34
Willcross 3127X1CB	10	HES	112	4	None	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21
Willcross 3127X4CB	10	FG	112	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26
Willcross 3127X6	10	FG	112	4	GR	None	19, 20, 21, 27, 28, 29
Willcross 3137X1HX	10	HES	113	4	None	YGPL	27, 28, 29, 31, 32, 33, 34
Willcross 3137X3LCB	10	HES	112	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Willcross 3157X2	10	FG	115	3	None	None	23, 24, 25, 26, 31, 32, 33, 34
Willcross 3157X3CB	10	HES	115	4	None	YGCB	31, 32, 33, 34
Willcross 3167X2RRCB	10	HES	116	3	GR	YGCB	31, 32, 33, 34
Willcross 3194CB	10	HES	115	3	None	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 31, 32, 33, 34
Wyffels W7123	2, 7, 9, 10	HME	111	2	None	YGCB	13, 14, 15, 16, 17, 18
Wyffels W7383	2, 7, 9, 10	HES	112	3	None	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21, 31, 32, 33, 34
Wyffels W7389	2, 7, 9, 10	HES	112	3	None	YGPL	2, 3, 4, 5, 6, 7, 31, 32, 33, 34
Wyffels W8171	2, 7, 9, 10	HES	114	3	GR	YGPL	8, 9, 10, 11, 35, 36, 37, 38
Wyffels W8251	2, 7, 9, 10	None	114	3	GR	YGPL	8, 9, 10, 11, 35, 36, 37, 38
Wyffels W8601	2, 7, 9, 10	None	115	4	GR	YGPL	8, 9, 10, 11, 35, 36, 37, 38
Wyffels W8603	2, 7, 9, 10	HES	115	4	None	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21, 31, 32, 33, 34
Wyffels W8720	2, 7, 9, 10	FG, HES	115	2	None	None	13, 14, 15, 16, 17, 18, 19, 20, 21, 31, 32, 33, 34

* Descriptions for commercial Hybrids were provided by the companies submitting them for evaluation

- Data not provided by the companies

NA Data not available

Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Lorsban 30 (Chlorpyrifos); 9= Maxim XL (Fludioxonil); 10= Poncho 250 (Clothianidin); 11= Poncho 1250 (Clothianidin); 12= Trilex (Trifloxystrobin)

Special Traits: FG = Food Grade; HES = High Extractable Starch; HAE = High Available Energy;

HFC = High Fermentable Corn; HME = High Metabolizable Energy; HP= High Protein; HTF = High Total Fermentable; YFC = Yellow Food Corn

Stalk Rating: 1 = excellent; 5 = average; 9 = poor

Herbicide Resistance: GR = Glyphosate Resistance; LL = Liberty Link Resistance; CL = Clear Field

Insect Resistance: HX1 = Herculex; HXX = Herculex Xtra; YGCB = Yield Guard Corn Borer; YGRW = Yield Guard Rootworm; YGPL = Yield Guard Plus

Sources for Seed Corn Entered in the 2006 Missouri Corn Tests

Brand	Company Name and Address	Phone Number	URL
AgriGold	AgriGold Hybrids, RR 1 Box 203, St. Francisville, IL 62460	618-943-5776	www.agrigold.com
Asgrow	Monsanto, 800 N. Lindbergh Blvd., St. Louis, MO 6316	815-754-4809	www.asgrowanddekalb.com
Belle Southern	Belle Southern Hybrids, P.O. Box 9, 1 Pennsylvania Lane, Waldenburg, AR 72475	870-579-2286	www.bellecorn.com
Bio Gene	Bio Gene, 5477 Tri County Hwy, Sardinia, OH 45171	937-444-6422	www.biogeneseeds.com
Burrus	Burrus Hybrids, 826 Arenzville Rd., Arenzville, IL 62611	217-997-5511	www.burrusseed.com
Croplan Genetics	Croplan Genetics, 298 Taylor Rd, Clinton, KY 42031	270-207-0190	www.croplangenetics.com
Crows	Crow's Hybrid Corn Co., PO Box 157, Kentland, IN 47951	270-519-9286	www.crowshybrid.com
Dekalb	Monsanto, 800 N. Lindbergh Blvd., St. Louis, MO 63167	815-754-4809	www.asgrowanddekalb.com
Dyna-Gro	UAP Dyna Gro, 57 Germantown Court, Suite 200, Cordova, TN 38018	901-755-7566	www.dyna-groseed.com
Dyna-Gro	UAP Dyna Gro, 4900 South 13th Street, Leavenworth, KS 66048	816-590-1974	www.dyna-groseed.com
Dyna-Gro	UAP, 15969 Hwy J, Bowling Green, MO 63334	573-324-5932	www.dyna-groseed.com
Exsegen Seed	Miles Seed Co., 2760 Keller Rd., Owensboro, KY 42304	800-666-4537	www.milesnmore.com
FFR	FFR Seed, 969 Cloverleaf Dr., Southaven, MS 38671	901-652-0903	www.ourcoop.com/goods/ffr.asp
Fontanelle	Fontanelle Hybrids, 10981 8th St., Fontanelle, NE 68044	402-721-1410	www.fontanelle.com
Garst	Garst/AgriPro Seed Co., 2369 330th Street, Slater, IA 50244	573-682-2152	www.garstseed.com
Gateway	Gateway Seed Co. Inc., 5517 Van Buren Rd., Nashville, IL 62263	618-327-8000	www.gatewayseeds.com
Golden Harvest	Golden Harvest Seeds, Box 248, Pekin, IL 61555	563-320-7461	www.goldenharvestseeds.com
Hubner Seed	Hubner Seed, 10280 West SR28, West Lebanon, IN 47991	765-893-4428	www.hubnerseed.com
Kruger	Kruger Seed Co., 33938 160th, Dike, IA 50624	319-989-2414	www.krugerseed.com
Laser	Golden Harvest Seeds, Box 248, Pekin, IL 61555	563-320-7461	www.goldenharvestseeds.com
Lewis	Lewis Hybrids, 530 W. Maple Ave., Box 38, Ursa, IL 62376	217-964-2131	www.lewishybrids.com
LG Seeds	LG Seeds, 22827 Shissler Rd., Elmwood, IL 61529	309-742-2211	www.lgseeds.com
Merschman	Merschman Seeds, Inc., 103 Ave. D, P.O. Box 67, West Point, IA 52656	319-837-6111	www.merschmanseeds.com
MFA Inc.	MFA Inc., 201 Ray Young Drive, Columbia, MO 65201	573-876-5482	www.mfa-inc.com/
Midland	Midland Genetics, 1906 Kingman Rd., Ottawa, KS 66067	785-242-3598	www.midlandgenetics.com
Mycogen	Mycogen Seeds, 9330 Zionsville Rd., Indianapolis, IN 46268	317-337-4662	www.dowagro.com/mycogen
NC+	NC+ Hybrids, 3820 N. 56th St., Lincoln, NE 68504	620-694-7400	www.nc-plus.com
NK Brand	NK Brand Syngenta Seeds, PO Box 959, Minneapolis, MN 55440	573-446-3005	www.nk.com
NK Brand	NK Brand Seeds, 6711 Hare Hill Drive, Arlington, TN 38002	901-382-5265	www.nk.com
NuTech Seed	NuTech Seed, 40321 130th Ave, Leland, IA 50453	515-232-8236	www.nutechseed.com

Brand	Company Name and Address	Phone Number	URL
Pfister	Pfister Hybrids, 187 N. Fayette St., El Paso, IL 61738	309-527-6000	www.pfisterhybrid.com
Pioneer	Pioneer Hi-Bred Int. Inc., 5700 Merle Hay Road, Johnston, IA 50131	515-253-5889	www.pioneer.com
Pioneer	Pioneer Hi-Bred Int. Inc., 7501 Memorial Pkwy SW, Suite 205, Huntsville, AL 35802	800-331-2475	www.pioneer.com
Rainbow	Rainbow Seeds, 1816 Highway 163, Oskaloosa, IA 52577	800-373-9401	www.rainbowseeds.com
Renze	Renze Hybrids, Inc., 27410 Kittyhawk Ave., Carroll, IA 51401	712-669-3301	www.renzehybrids.com
Stone	Stone Seed Co., 5965 West State Rt. 97, Pleasant Plains, IL 62677	217-546-8006	www.stoneseed.com
Taylor Seed	Taylor Seed Farms, 2467 Hwy 7, White Cloud, KS 66094	785-595-3316	www.taylorseedfarms.com
Terral	Terral Seed Inc., 604 Blount St., Lake Providence, LA 71254	318-559-2840	www.terralseed.com
Trisler Seed	Trisler Seed Farms, 3274 E 800 North Rd, Fairmount, IL 61841	217-288-9301	www.trisler.com
U.S.A. Hybrids	United Seed Associates, 28797 Bowman Rd, Defiance, OH 43512	419-395-2646	
UniSouth	UniSouth Genetics, Inc., 2640-C Nolensville Road, Nashville, TN 37211	615-242-3397	www.usgseed.com
Willcross	Willcross Hybrids LLC., P.O. Box 560, Garden City, MO 64747	816-862-8203	www.willcross.com
Wyffels Seed	Wyffels Hybrids, 13344 US Hwy 6, Genesco, IL 61254	800-369-7833	www.wyffels.com

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