

CORN 2005 Missouri Crop Performance



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Missouri 2005 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 241 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 is performed at 5 non-irrigated locations each in the north and central regions of the state.

Irrigated Corn Test: This test is performed at 2 irrigated locations each in the central and southwest regions and 3 irrigated locations in the southeast region of the state.

New Technology Corn Test: This test was new for 2002 and consisted of hybrids not approved for export to Europe or Japan (e.g. CRW or Herculex hybrids). Entries were 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 2005 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.

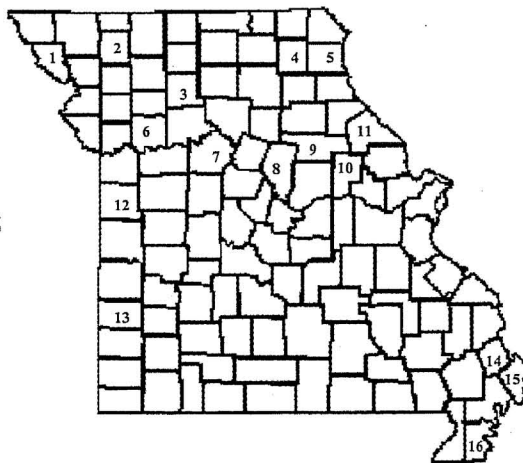
Data Recorded: Cornstalks of non-Bt hybrids were split to survey the natural infestation of corn borer. Counts were taken on border rows of the test for a random survey. Survey results are provided in the heading of each table. Plant stands were recorded mid-season and lodging was determined immediately 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 2005 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 2005, 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. Glenn Nothdurft Farm near Oran in Scott Co.;
15. Dale Glenn Farm near Charleston in Mississippi Co.;
16. Delta Research Center near Portageville in Pemiscott 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 21 to May 5 with soil conditions being very good at all locations. Below normal rainfall and above normal temperatures during grain fill did not seem to adversely affect yields. An outbreak of spider mites in early August at LaGrange prompted an aerial application of Lorsban to control the pests. Woods Flying Service of Memphis, MO was hired to fly on the insecticide. There was severe lodging at the LaGrange site from a strong storm in August. Yields were very good at all northern locations this year, although there was some disease and insect pressure present.

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

Average temperature = 69.2 degrees, 2.5 degrees above normal

Average precipitation = 18.1", 2.2" below normal

Growing degree days = 2908 days, 165 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	05-05	10-03	150	60	60	Conv.	Dual II Magnum, Callisto, Atrazine	None	Force 3G
Albany	05-04	09-27	212	80	120	Conv.	Dual II Magnum, Callisto, Atrazine	Callisto, Atrazine	Force 3G
Mooreville	05-03	09-21	175	20	180	Conv.	Dual II Magnum, Callisto, Atrazine	None	Force 3G
Novelty	04-27	09-21	190	90	100	Conv.	Lumax	Callisto, Accent	Force 3G
LaGrange	04-21	09-27	210	120	120	Conv.	Degree Xtra, Callisto, Atrazine	None	Force 3G, Lorsban (post)
<i>North/Central Region New Technology Corn Tests</i>									
Albany	05-04	09-27	212	80	120	Conv.	Dual II Magnum, Callisto, Atrazine	None	Force 3G
Columbia	04-01	08-30,31	170	46	62	Min.	Dual II Magnum, Callisto, Atrazine	None	Force 3G
Novelty	04-27	09-21	190	90	100	Conv.	Lumax	None	Force 3G

TABLE 2. **Non-Irrigated Corn Test**

North Region: Craig, MO (Holt County)

Soil Type: Blencoe Silty Clay Soil Test: pH=5.9, OM=2.9%, P=136, K=868

European Corn Borer Rating: Damaged Plants= 16%, Tunnel Length/Plant= 0.29 in.

Rainfall: Apr.=5.3, May=6.7, June=5.8, July=6.3, Aug.=3.1 Total=27.2 in.

Brand-Variety	Seed Treatment [†]	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 2004 -----bu/acre-----		
Garst 8380IT	6	28773	17.9	1	206.7**	--	--
Vigoro V54Y61	2, 9, 10	27974	18.4	2	203.9*	--	--
Pioneer 33N09	3, 11	28451	18.1	3	201.4*	--	--
NC+ 4971	1, 10	29144	17.3	0	200.8*	--	--
Rainbow 3105YGCB	9	29514	17.8	5	200.6*	238.9	219.8
Lewis 7044YGCB	10	27385	19.6	1	199.6*	243.9*	221.8
Vigoro V5240	2, 5, 7, 9	29529	15.7	1	198.6*	236.0	217.3
Croplan Genetics 691 BTLL	2, 5	28515	17.5	1	197.8*	--	--
Ag Source 6273	5	27718	18.4	0	197.7*	--	--
Kruger 0614B	3, 10	30760	17.4	1	197.6*	--	--
Mersch. M-512C-1	4, 10	28280	18.1	1	197.0*	--	--
Pioneer 33A84	3, 11	30886	17.0	0	196.4*	225.1	210.8
DEKALB DKC63-79 (YGCB)	10	29336	16.8	1	195.0*	243.9*	219.5
Renze 8386YGCB	2, 9, 10	28529	18.6	1	194.8*	--	--
MFA MORCORN 4474CB	5	29266	17.7	1	194.7*	--	--
Ag Source 7883	5	28214	20.2	0	194.5*	--	--
Mycogen 2H789	6	29367	17.5	2	193.9*	--	--
Burrus 795B	4, 10, 12	29264	20.0	0	193.8*	236.0	214.9
Font. High Cycle 7931YGCB	4, 10	28602	17.9	3	193.7*	240.9	217.3
Pioneer 34P88	3, 10	28529	16.2	1	193.3*	--	--
DEKALB DKC61-72 (RR2)	10	29929	16.9	0	193.1*	--	--
LG 2625Bt	8, 9	28518	18.2	5	191.9*	--	--
Pfister 2730	9, 11	29118	17.0	2	191.9*	--	--
Garst 8566YG1	6	29507	17.2	1	190.8*	--	--
ASGROW RX715RR2	10	27697	16.6	0	190.5*	--	--
NK Brand N65-C5	6	28544	15.4	1	190.3*	--	--
Pioneer 33Y45	3, 10	29911	18.2	1	189.2*	--	--
LG 2600Bt	8, 9	26712	16.4	1	189.0*	--	--
Kruger 5313YGCB	3, 10	28698	17.3	0	188.9*	249.0*	219.0
NuTech NT-4213 YGCB	5	28823	18.4	4	188.3*	250.1*	219.2
DEKALB DKC60-16 (YGCB)	10	29113	17.4	0	188.3*	241.6*	215.0
Mersch. M-314A-1	4, 10	28815	19.9	1	188.1*	228.5	208.3
Pioneer 33K39	3, 11	27395	17.5	2	187.9*	--	--
Kruger 9115 YGCB	3, 10	28347	16.1	4	187.9*	237.3	212.6
Font. High Cycle 8B436	4, 10	28918	16.7	2	187.7*	205.9	196.8
NuTech NT-4717 YGCB	5	28442	18.4	0	187.1*	231.3	209.2
NuTech NT-4312 YGCB	10	28451	16.7	4	186.9*	--	--
Vigoro V5160	2, 9, 10	26553	16.9	0	186.7*	--	--
DEKALB DKC63-62 (RR2)	10	29284	17.0	5	186.7*	--	--
Golden Harvest H-8920	5	27623	17.4	0	186.1	--	--
Rainbow 3158YGCB	9	28429	20.1	0	185.9	238.7	212.3
Kruger 5416YGCB	3, 10	26556	17.8	3	185.9	--	--
Hawkeye Hybrids 316BT	9	27424	19.7	0	185.3	236.9	211.1
Golden Harvest H-9006Bt	5	27865	15.6	6	185.3	--	--
Mersch. M-612D-1	9, 10	29060	17.8	0	185.1	--	--

TABLE 2. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant	Moisture	Lodging	2005	2004	
		Population (no./acre)	(%)	(%)	-----bu/acre-----		
Font. High Cycle 7971YGCB	4, 10	27749	17.5	0	184.6	237.9	211.3
Rainbow 3167	9	28536	18.6	0	184.5	226.4	205.5
Renze EX8546YGCB	2, 9, 10	27380	17.8	0	184.5	--	--
Lewis 5343	10	29660	17.4	0	184.2	--	--
Kruger 9313YGCB	3, 10	28624	17.0	0	183.9	--	--
Garst 8535YG1/IT	6	29073	16.4	2	183.1	223.5	203.3
NuTech NT-0616	10	28324	19.4	13	183.1	--	--
Dyna-Gro 57F37	10, 12	31410	18.4	1	183.0	--	--
NK Brand N67-T4	6	29306	15.8	0	182.6	230.8	206.7
LG 2540Bt	8, 9	26818	15.8	4	182.2	239.2	210.7
Dyna-Gro 57F87	10	29352	19.7	0	182.2	235.4	208.8
NuTech NT-0116	10	27876	18.3	3	182.0	--	--
Renze 6406	2, 9, 10	27609	16.9	1	182.0	--	--
NuTech NT-4516 YGCB	10	27267	17.7	1	181.9	233.7	207.8
Kruger 9212YGCB	3, 10	28654	15.5	5	181.7	--	--
Pioneer 33D11	3, 10	28099	17.7	1	181.4	--	--
Bio Gene BG1132	1, 4, 10	24504	18.2	0	180.6	--	--
Willcross 3193CB	10	28816	17.6	6	180.5	--	--
Willcross 3103CB	10	26417	16.6	5	180.1	--	--
Midland MG 7A53BT	10	27083	15.7	5	179.9	230.1	205.0
NuTech NT-4014 YGCB	10	28217	16.8	10	179.1	--	--
Willcross 3136X1	10	29711	16.9	4	179.1	--	--
Burrus 717	4, 10	27752	17.7	1	179.1	--	--
Stine 9804 YGCB	9, 10	28440	19.1	4	179.0	--	--
NK Brand N70-T9	6	28609	17.2	0	178.4	237.2	207.8
Willcross 3123CB	10	27116	17.0	1	178.1	--	--
MFA MORCORN 3974CB	5	27818	16.8	4	177.9	--	--
NuTech NT-4616 YGCB	5	29164	20.0	1	177.8	252.5*	215.2
Ag Source X53114	5	28350	17.7	0	177.8	--	--
Rainbow 3120YGCB	9	30206	16.2	2	177.3	234.8	206.1
Kruger 5514YGCB	3, 10	27184	18.0	0	176.2	--	--
Kruger 0617A	3, 10	28005	16.6	1	175.7	--	--
Rainbow 3135YGCB	9	28824	16.9	8	174.9	241.8*	208.4
NC+ 5381	1, 10	28770	17.6	0	174.8	--	--
Font. High Cycle 7951YGCB	4, 10	28409	16.5	8	174.7	247.0*	210.9
Kruger 5517YGCB	3, 10	27696	20.1	1	174.5	241.2	207.9
NK Brand N76-D3	6	28571	18.2	4	174.3	--	--
Renze 8526YGCB	2, 9, 10	27829	19.7	0	174.2	--	--
Mycogen 2P781	6	27181	18.1	1	173.4	--	--
Croplan Genetics 693CL/Bt	2, 5	26818	17.7	0	173.4	225.9	199.7
Stine 9703 YGCB	9, 10	28368	17.9	2	173.3	--	--
Golden Harvest H-9166	5	29190	17.5	2	171.9	239.1	205.5
Kruger 0615	3, 10	29455	17.3	0	170.9	--	--
Kruger 0614A	3, 10	28631	17.4	0	170.8	--	--
Kruger 0616	3, 10	29021	17.2	12	170.7	--	--
MFA MORCORN 3874CB	5	29638	15.6	9	170.2	--	--
Dyna-Gro 57F70	10, 12	28156	16.3	15	170.0	--	--
Bio Gene BG1115	1, 4, 10	29331	17.5	0	169.1	--	--
AgriGold A6445CL	10	28361	15.8	7	169.0	--	--
Lewis 5245	10	28898	16.8	0	169.0	--	--
Dyna-Gro 57F19	10, 12	28368	16.1	5	168.7	242.8*	205.8
Dyna-Gro 57F95	10, 12	29238	16.5	0	168.6	214.0	191.3
Golden Harvest H-9461	5	27721	16.7	1	167.7	234.0	200.9
Renze 6375	2, 9, 10	29746	17.7	0	167.1	--	--

TABLE 2. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 -----bu/acre-----	2004	
Golden Harvest H-9657	5	26877	19.4	5	164.0	--	--
Ag Source 6693	5	27337	17.3	1	163.1	241.0	202.1
Bio Gene BG1118	1, 4, 10	25886	17.4	1	161.7	--	--
Ag Source 6150	5	30708	17.7	1	159.9	--	--
Font. High Cycle 7987YGCB	4, 10	28922	18.2	22	159.4	--	--
Mersch. M-610F-1	9, 10	28254	16.2	1	157.0	--	--
Kruger 9910 YGCB	3, 10	29931	14.8	1	156.0	--	--
Burrus 646R	4, 10	28421	17.2	0	155.6	--	--
NuTech EX NT-4012 YGCB	5	28148	14.6	2	153.8	--	--
Kruger 9111 YGCB	3, 10	27594	15.3	0	134.2	--	--
TEST AVERAGE		28451	17.4	2	181.4	234.7	208.1
L.S.D. AT .10		2058	0.8	5	20.3	18.0	
C.V. %		5.2	3.2		7.8	5.5	

-- 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=6.8, OM=3.2%, P=84, K=326

European Corn Borer Rating: Damaged Plants= 36%, Tunnel Length/Plant= 1.4 in.

Rainfall: Apr.=4.9, May=1.4, June=5.8, July=4.2, Aug.=2.0 Total=18.3 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 2004	bu/acre	
Ag Source 6273	5	29672	19.0	2	206.2**	--	--
LG 2625Bt	8, 9	30340	20.5	0	204.3*	--	--
Pioneer 33D11	3, 10	30235	18.3	0	203.2*	--	--
Stine 9703 YGCB	9, 10	29570	18.9	1	203.0*	--	--
Golden Harvest H-9006Bt	5	30920	18.8	0	202.3*	--	--
Burrus 795B	4, 10, 12	30444	21.1	0	201.7*	201.5*	201.6
Hawkeye Hybrids 316BT	9	30462	20.7	0	201.5*	172.0	186.8
Lewis 7044YGCB	10	29175	21.4	0	201.3*	192.7	197.0
NK Brand N70-T9	6	31222	20.1	0	200.4*	168.7	184.6
DEKALB DKC60-16 (YGCB)	10	31380	19.5	0	200.4*	164.6	182.5
Font. High Cycle 7951YGCB	4, 10	30807	19.3	0	200.2*	192.1	196.2
NuTech NT-4213 YGCB	5	28896	18.6	0	200.0*	195.4	197.7
Vigoro V54Y61	2, 9, 10	30073	18.9	1	199.4*	--	--
Kruger 5514YGCB	3, 10	30639	18.6	0	199.3*	--	--
Willcross 3123CB	10	29338	17.8	1	199.1*	--	--
Rainbow 3105YGCB	9	31268	20.5	0	198.9*	190.2	194.6
Renze 8386YGCB	2, 9, 10	30547	19.8	0	198.2*	--	--
ASGROW RX715RR2	10	30787	18.3	1	198.0*	--	--
Lewis 5343	10	30322	18.8	0	197.6*	--	--
Pioneer 34P88	3, 10	30047	18.5	0	197.6*	--	--
NuTech NT-4312 YGCB	10	29671	18.6	0	197.1*	--	--
Ag Source 7883	5	30793	21.4	0	196.8*	--	--
Stine 9804 YGCB	9, 10	28623	20.9	0	196.8*	--	--
Pfister 2730	9, 11	30968	18.7	0	196.6*	--	--
NuTech NT-4014 YGCB	10	30771	17.5	0	196.4*	--	--
Kruger 9115 YGCB	3, 10	29775	19.2	0	196.3*	186.4	191.4
Rainbow 3158YGCB	9	29979	21.0	0	196.0*	209.3*	202.7
Mersch. M-512C-1	4, 10	29183	19.4	0	195.7*	--	--
Lewis 5245	10	30582	18.5	0	195.2*	--	--
Font. High Cycle 7931YGCB	4, 10	29445	19.8	0	195.0*	221.6**	208.3
DEKALB DKC63-62 (RR2)	10	31293	18.2	0	194.2*	--	--
Dyna-Gro 57F37	10, 12	29571	19.2	0	194.0*	--	--
Dyna-Gro 57F19	10, 12	30435	19.3	0	193.6*	179.5	186.6
Renze EX8546YGCB	2, 9, 10	31071	19.9	0	192.6*	--	--
Garst 8380IT	6	30506	19.9	0	192.2*	--	--
Ag Source X53114	5	31289	19.5	0	191.6*	--	--
Kruger 5416YGCB	3, 10	29824	18.5	0	191.4*	--	--
Kruger 5517YGCB	3, 10	29456	21.5	0	191.3*	189.6	190.5
Willcross 3193CB	10	28615	20.2	0	190.5	--	--
Mersch. M-612D-1	9, 10	29740	18.7	0	190.4	--	--
LG 2600Bt	8, 9	28266	17.8	2	190.1	--	--
Mersch. M-314A-1	4, 10	29276	20.8	1	190.1	188.5	189.3
DEKALB DKC63-79 (YGCB)	10	30740	18.3	0	190.0	176.5	183.3
Mycogen 2H789	6	30927	19.2	0	189.8	--	--
Croplan Genetics 691 BTLL	2, 5	29440	18.7	0	189.5	--	--

TABLE 3. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant	Moisture	Lodging	2005	2004	
		Population (no./acre)	(%)	(%)	-----bu/acre-----		
Kruger 9212YGCB	3, 10	30651	18.8	0	189.2	--	--
Pioneer 33A84	3, 11	30660	18.7	0	189.1	161.4	175.3
Rainbow 3135YGCB	9	30022	20.0	0	189.0	181.8	185.4
Renze 6406	2, 9, 10	29162	17.6	0	188.9	--	--
Font. High Cycle 7987YGCB	4, 10	30190	21.2	0	188.8	--	--
NuTech NT-4616 YGCB	5	31504	21.0	0	188.4	194.6	191.5
AgriGold A6445CL	10	30451	18.3	0	188.2	--	--
Font. High Cycle 7971YGCB	4, 10	29392	19.6	0	188.0	199.4	193.7
NuTech NT-0116	10	29428	18.7	0	187.9	--	--
Kruger 9313YGCB	3, 10	30300	19.4	0	187.6	--	--
Pioneer 33N09	3, 11	29709	18.8	0	187.2	--	--
LG 2540Bt	8, 9	29535	17.4	0	187.0	161.2	174.1
Garst 8535YG1/IT	6	30745	18.7	0	186.7	146.4	166.6
NC+ 4971	1, 10	28351	17.6	0	186.5	--	--
Golden Harvest H-9461	5	30268	19.0	0	185.8	186.7	186.3
Ag Source 6693	5	29268	19.8	0	185.7	208.3*	197.0
Kruger 0614A	3, 10	30385	17.8	0	184.8	--	--
Kruger 5313YGCB	3, 10	29683	18.9	0	184.6	195.8	190.2
Croplan Genetics 693CL/Bt	2, 5	30325	19.0	0	184.6	176.9	180.8
Burrus 646R	4, 10	31174	18.3	0	184.4	--	--
NuTech NT-4516 YGCB	10	30595	19.7	0	184.3	195.3	189.8
Mersch. M-610F-1	9, 10	29165	17.6	0	184.1	--	--
NK Brand N76-D3	6	28932	20.3	0	184.1	--	--
Rainbow 3120YGCB	9	30479	18.8	0	183.6	165.6	174.6
DEKALB DKC61-72 (RR2)	10	29621	17.7	0	183.6	--	--
NK Brand N65-C5	6	30225	17.7	0	183.4	--	--
Pioneer 33Y45	3, 10	31496	19.8	1	183.4	--	--
Burrus 717	4, 10	29634	18.5	1	182.8	--	--
Dyna-Gro 57F87	10	29365	21.7	0	182.2	203.3*	192.8
MFA MORCORN 3874CB	5	30504	18.6	0	181.7	--	--
NK Brand N67-T4	6	30869	18.5	0	181.7	144.1	162.9
NuTech EX NT-4012 YGCB	5	30006	17.3	0	181.5	--	--
MFA MORCORN 4474CB	5	30074	19.7	0	181.4	--	--
Pioneer 33K39	3, 11	28347	19.3	1	181.3	--	--
Kruger 0614B	3, 10	29680	19.3	1	181.1	--	--
Willcross 3136X1	10	30866	19.1	0	181.0	--	--
Kruger 0617A	3, 10	30527	18.4	0	180.3	--	--
Midland MG 7A53BT	10	29484	18.5	0	180.1	166.8	173.5
NuTech NT-0616	10	29359	20.4	4	179.6	--	--
Renze 8526YGCB	2, 9, 10	29579	21.5	0	179.2	--	--
Golden Harvest H-8920	5	28758	17.6	0	178.5	--	--
NuTech NT-4717 YGCB	5	29669	20.0	0	178.5	175.0	176.8
Bio Gene BG1115	1, 4, 10	30397	17.5	1	178.3	--	--
Rainbow 3167	9	29265	19.7	0	177.6	171.4	174.5
Vigoro V5240	2, 5, 7, 9	31005	17.8	0	177.4	171.2	174.3
Dyna-Gro 57F95	10, 12	30617	17.7	0	176.8	177.3	177.1
Renze 6375	2, 9, 10	31192	18.1	0	176.4	--	--
Dyna-Gro 57F70	10, 12	29438	18.4	0	176.4	--	--
Font. High Cycle 8B436	4, 10	29403	18.6	2	176.3	165.1	170.7
Vigoro V5160	2, 9, 10	29092	18.1	1	175.4	--	--
NC+ 5381	1, 10	31206	17.5	0	173.4	--	--
Kruger 0616	3, 10	30880	19.1	0	173.4	--	--
Kruger 9910 YGCB	3, 10	30677	17.6	0	172.4	--	--
Bio Gene BG1118	1, 4, 10	31278	18.0	0	172.4	--	--

TABLE 3. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Ag Source 6150	5	31077	17.5	0	172.3	--	--
Bio Gene BG1132	1, 4, 10	28541	18.9	1	172.3	--	--
Garst 8566YG1	6	28993	18.0	0	171.7	--	--
Golden Harvest H-9166	5	31196	16.9	1	169.6	163.9	166.8
Mycogen 2P781	6	28186	20.0	0	169.5	--	--
MFA MORCORN 3974CB	5	30254	18.3	0	167.2	--	--
Willcross 3103CB	10	26342	17.6	1	167.1	--	--
Kruger 0615	3, 10	29283	18.0	0	166.6	--	--
Golden Harvest H-9657	5	31462	21.7	1	164.9	--	--
Kruger 9111YGCB	3, 10	31352	17.4	0	159.9	--	--
TEST AVERAGE		30055	19.0	0	186.9	178.6	182.8
L.S.D. AT .10		1478	0.9	NS	15.0	21.4	
C.V. %		3.5	3.3		5.6	8.6	

-- 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: Moorsville, MO (Livingston County)

Soil Type: Grundy Silt Loam Soil Test: pH=5.8, OM=2.6%, P=52, K=336

European Corn Borer Rating: Damaged Plants= 28%, Tunnel Length/Plant= 0.87 in.

Rainfall: Apr.=1.9, May=3.1, June=6.8, July=0.7, Aug.=3.7 Total=16.2 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 2004	2004 -----bu/acre-----	
NuTech NT-4516 YGCB	10	31243	19.8	1	163.0**	262.5*	212.8
Golden Harvest H-9461	5	31367	18.8	2	156.7*	229.9	193.3
Dyna-Gro 57F70	10, 12	31118	16.9	5	153.7*	--	--
Willcross 3193CB	10	30870	19.7	6	151.7*	--	--
MFA MORCORN 4474CB	5	30869	20.4	9	151.1*	--	--
NK Brand N76-D3	6	30745	18.5	8	146.9	--	--
Ag Source 6693	5	30994	19.8	1	145.4	247.2	196.3
Burrus 795B	4, 10, 12	30247	18.1	5	144.8	263.3*	204.1
Willcross 3136X1	10	31243	17.2	1	144.5	--	--
Lewis 7044YGCB	10	30745	15.7	6	143.4	252.0	197.7
NuTech NT-4717 YGCB	5	31616	19.8	1	142.8	255.7	199.3
Croplan Genetics 691 BTLL	2, 5	30994	17.6	0	142.2	--	--
NuTech NT-4014 YGCB	10	29874	14.0	3	141.6	--	--
Midland MG 7A53BT	10	31741	16.9	2	141.1	223.4	182.3
Dyna-Gro 57F87	10	31243	19.6	7	141.0	265.1*	203.1
Ag Source 7883	5	31990	19.0	14	139.6	--	--
Ag Source 6273	5	30869	15.8	0	139.5	--	--
Golden Harvest H-9006Bt	5	31243	14.9	0	139.2	--	--
NuTech NT-0616	10	31492	20.6	1	139.0	--	--
Renze 8526YGCB	2, 9, 10	30620	18.0	6	138.1	--	--
Garst 8380IT	6	31616	16.4	4	138.0	--	--
Kruger 9115 YGCB	3, 10	31243	20.2	1	137.6	229.8	183.7
Font. High Cycle 7987YGCB	4, 10	31118	21.6	9	137.2	--	--
Mersch. M-512C-1	4, 10	31865	16.6	0	136.4	--	--
DEKALB DKC63-79 (YGCB)	10	31243	19.0	1	136.1	232.0	184.1
Font. High Cycle 7931YGCB	4, 10	30621	21.9	0	135.8	267.6*	201.7
Renze 6406	2, 9, 10	30869	16.0	1	135.4	--	--
Dyna-Gro 57F37	10, 12	30745	16.1	2	135.3	--	--
Rainbow 3105YGCB	9	31741	16.1	0	134.6	245.7	190.2
Dyna-Gro 57F95	10, 12	30994	15.7	8	134.3	236.2	185.3
Willcross 3103CB	10	29127	16.6	3	134.1	--	--
Rainbow 3120YGCB	9	30247	16.1	0	134.1	241.2	187.7
Lewis 5343	10	30994	17.2	1	134.1	--	--
Golden Harvest H-8920	5	31243	16.6	0	133.8	--	--
Pioneer 33K39	3, 11	29874	17.3	2	133.4	--	--
NC+ 4971	1, 10	30869	15.2	0	132.4	--	--
NuTech NT-4312 YGCB	10	31368	14.2	0	132.4	--	--
Font. High Cycle 7951YGCB	4, 10	31741	20.9	0	132.4	243.8	188.1
Renze 8386YGCB	2, 9, 10	30620	17.7	0	132.3	--	--
Kruger 5313YGCB	3, 10	31367	15.2	0	131.9	256.1	194.0
LG 2600Bt	8, 9	30247	14.3	4	131.8	--	--
Kruger 5514YGCB	3, 10	30869	15.2	0	131.7	--	--
Kruger 9313YGCB	3, 10	31865	18.7	1	131.5	--	--
Kruger 9212YGCB	3, 10	30371	16.4	0	131.4	--	--
MFA MORCORN 3874CB	5	31492	17.8	3	131.4	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Rainbow 3158YGCB	9	29500	20.6	4	131.0	264.0*	197.5
Mycogen 2H789	6	31118	16.5	1	130.9	--	--
Hawkeye Hybrids 316BT	9	31741	18.5	5	130.8	270.4*	200.6
Vigoro V54Y61	2, 9, 10	30371	16.2	0	130.7	--	--
Mersch. M-612D-1	9, 10	30745	16.3	1	130.6	--	--
Pioneer 33A84	3, 11	30372	17.3	1	130.6	223.8	177.2
NK Brand N67-T4	6	30372	14.8	1	130.6	234.3	182.5
Kruger 0614A	3, 10	29127	15.2	1	130.5	--	--
Pioneer 33Y45	3, 10	30247	17.6	2	130.4	--	--
Ag Source X53114	5	31243	20.2	0	130.2	--	--
NuTech NT-4213 YGCB	5	30620	17.6	0	130.0	277.3**	203.7
Kruger 5416YGCB	3, 10	30994	16.8	1	129.5	--	--
Croplan Genetics 693CL/Bt	2, 5	30496	15.9	0	128.8	249.6	189.2
Pfister 2730	9, 11	30372	15.3	1	128.2	--	--
Garst 8535YG1/IT	6	31367	16.3	1	128.1	255.7	191.9
Vigoro V5160	2, 9, 10	31492	15.4	0	128.1	--	--
NuTech NT-4616 YGCB	5	31368	16.1	6	128.0	275.3*	201.7
Mersch. M-314A-1	4, 10	30994	15.9	6	127.8	260.8	194.3
Font. High Cycle 7971YGCB	4, 10	29376	17.5	1	127.7	255.1	191.4
Lewis 5245	10	30745	16.5	0	127.7	--	--
Willcross 3123CB	10	31367	15.4	1	126.8	--	--
NK Brand N65-C5	6	31741	15.9	2	126.4	--	--
Bio Gene BG1132	1, 4, 10	29625	14.8	0	126.2	--	--
Burrus 717	4, 10	30371	15.6	1	125.9	--	--
Kruger 0615	3, 10	29874	13.5	3	125.6	--	--
NK Brand N70-T9	6	31243	16.6	0	125.4	254.6	190.0
LG 2540Bt	8, 9	30745	14.3	0	125.3	238.1	181.7
Kruger 5517YGCB	3, 10	30745	17.0	15	125.0	227.0	176.0
Kruger 0616	3, 10	31741	16.9	0	124.6	--	--
Pioneer 33D11	3, 10	30123	15.5	0	124.6	--	--
Golden Harvest H-9166	5	31616	14.5	3	124.4	233.8	179.1
Kruger 0614B	3, 10	30745	14.4	0	124.3	--	--
DEKALB DKC63-62 (RR2)	10	31367	16.7	1	124.1	--	--
Dyna-Gro 57F19	10, 12	29998	20.4	0	123.6	239.0	181.3
DEKALB DKC61-72 (RR2)	10	30372	16.1	1	123.5	--	--
MFA MORCORN 3974CB	5	30247	15.1	11	123.3	--	--
Stine 9804 YGCB	9, 10	30496	21.2	0	122.6	--	--
Bio Gene BG1115	1, 4, 10	31367	14.4	1	122.6	--	--
Kruger 9910 YGCB	3, 10	30870	14.3	1	121.9	--	--
Kruger 0617A	3, 10	30372	15.8	0	121.6	--	--
Renze 6375	2, 9, 10	30994	14.0	0	121.4	--	--
Vigoro V5240	2, 5, 7, 9	30371	19.4	0	121.2	233.8	177.5
Garst 8566YG1	6	30247	14.8	2	121.2	--	--
Kruger 9111YGCB	3, 10	30247	16.6	0	120.8	--	--
Renze EX8546YGCB	2, 9, 10	30620	18.4	0	120.6	--	--
Pioneer 33N09	3, 11	31118	15.8	0	120.1	--	--
Font. High Cycle 8B436	4, 10	30620	15.1	3	119.8	221.7	170.8
NuTech NT-0116	10	32114	18.0	1	119.5	--	--
ASGROW RX715RR2	10	31243	14.0	0	118.0	--	--
AgriGold A6445CL	10	30869	16.2	1	117.2	--	--
NC+ 5381	1, 10	31367	14.0	1	116.9	--	--
Burrus 646R	4, 10	31616	16.2	1	116.8	--	--
NuTech EX NT-4012 YGCB	5	31367	14.2	1	116.5	--	--
Bio Gene BG1118	1, 4, 10	30870	16.9	1	116.3	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Rainbow 3135YGCB	9	30869	19.5	1	116.3	240.2	178.3
Pioneer 34P88	3, 10	29376	13.6	1	115.4	--	--
LG 2625Bt	8, 9	30496	15.7	0	115.4	--	--
DEKALB DKC60-16 (YGCB)	10	32238	15.7	0	113.8	254.1	184.0
Ag Source 6150	5	29251	14.1	1	112.2	--	--
Mersch. M-610F-1	9, 10	30869	15.4	4	111.2	--	--
Rainbow 3167	9	31118	16.2	1	111.0	217.8	164.4
Stine 9703 YGCB	9, 10	29874	15.1	0	110.5	--	--
Golden Harvest H-9657	5	30496	21.2	3	108.4	--	--
Mycogen 2P781	6	29873	20.4	0	100.4	--	--
TEST AVERAGE		30837	16.8	2	129.5	241.7	185.6
L.S.D. AT .10		NS	1.9	5	13.6	15.0	
C.V. %		3.4	8.2		7.3	4.4	

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

North Region: Novelty, MO (Knox County)

Soil Type: Putnam Silt Loam Soil Test: pH=6.8, OM=2.7%, P=50, K=246

European Corn Borer Rating: Damaged Plants= 32%, Tunnel Length/Plant= 0.14 in.

Rainfall: Apr.=2.7, May=2.2, June=5.7, July=2.2, Aug.=3.2 Total=16.0 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 2004	bu/acre	
DEKALB DKC63-79 (YGCB)	10	30645	23.4	0	146.6**	233.4	190.0
Willcross 3136X1	10	30072	24.3	0	143.4*	--	--
DEKALB DKC61-72 (RR2)	10	29989	22.2	0	142.3*	--	--
Dyna-Gro 57F95	10, 12	28487	22.6	0	142.3*	242.5	192.4
LG 2625Bt	8, 9	29381	23.0	0	141.9*	--	--
Kruger 9313YGCB	3, 10	29983	23.1	0	138.1*	--	--
NuTech NT-4616 YGCB	5	29543	23.4	0	137.6*	257.5*	197.6
Willcross 3103CB	10	26927	22.0	0	137.0*	--	--
Lewis 5343	10	30016	23.2	0	134.0*	--	--
Pioneer 33D11	3, 10	29443	22.9	0	132.9*	--	--
Willcross 3123CB	10	28758	22.1	0	132.9*	--	--
NuTech NT-0116	10	30739	23.0	0	130.2	--	--
LG 2600Bt	8, 9	29131	22.1	0	130.1	--	--
Vigoro V5160	2, 9, 10	28839	21.8	0	130.0	--	--
Lewis 7044YGCB	10	30626	23.9	0	129.5	254.8*	192.2
Pfister 2730	9, 11	30167	22.0	0	129.5	--	--
Kruger 5517YGCB	3, 10	29814	24.4	0	129.1	269.5*	199.3
Renze 6406	2, 9, 10	27869	21.4	0	128.5	--	--
Golden Harvest H-8920	5	29347	22.2	0	128.4	--	--
Kruger 0616	3, 10	30438	23.5	0	128.3	--	--
Font. High Cycle 8B436	4, 10	29291	22.6	0	128.0	237.5	182.8
ASGROW RX715RR2	10	29728	22.6	0	127.6	--	--
Croplan Genetics 691 BTLL	2, 5	28406	22.7	0	127.4	--	--
Golden Harvest H-9461	5	30707	24.0	0	126.0	242.3	184.2
NuTech NT-4014 YGCB	10	29544	22.3	0	126.0	--	--
Pioneer 33N09	3, 11	29311	22.9	0	125.6	--	--
Ag Source 7883	5	30735	23.7	0	124.1	--	--
Mersch. M-612D-1	9, 10	30653	22.6	0	123.3	--	--
MFA MORCORN 3974CB	5	29119	22.4	0	122.8	--	--
NC+ 4971	1, 10	28504	21.7	0	122.3	--	--
Willcross 3193CB	10	29975	23.8	0	121.6	--	--
Pioneer 33A84	3, 11	27920	23.2	0	121.4	224.2	172.8
Kruger 0614A	3, 10	30308	21.5	0	121.4	--	--
Burrus 646R	4, 10	30232	23.0	0	121.1	--	--
Kruger 0617A	3, 10	29056	22.1	0	121.0	--	--
Pioneer 33K39	3, 11	29027	24.0	1	120.9	--	--
NK Brand N76-D3	6	30209	23.0	0	120.7	--	--
Hawkeye Hybrids 316BT	9	29605	24.2	0	120.7	273.3**	197.0
NuTech NT-4213 YGCB	5	29203	22.3	0	119.4	251.5*	185.5
Font. High Cycle 7931YGCB	4, 10	29493	23.8	0	118.2	257.2*	187.7
NK Brand N65-C5	6	30691	22.6	0	117.8	--	--
Bio Gene BG1118	1, 4, 10	28909	21.1	0	117.4	--	--
Kruger 9212YGCB	3, 10	29837	22.8	0	117.4	--	--
Burrus 795B	4, 10, 12	30404	24.6	0	115.8	266.5*	191.2
Stine 9703 YGCB	9, 10	28959	22.4	0	115.4	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Plant	Moisture	Lodging	2005	2004	2 Yr.
		Population (no./acre)	(%)	(%)	-----bu/acre-----		
Mersch. M-314A-1	4, 10	30239	24.3	0	115.1	256.6*	185.9
AgriGold A6445CL	10	28981	22.4	0	115.0	--	--
Kruger 5416YGCB	3, 10	29677	22.7	0	114.8	--	--
Lewis 5245	10	29486	22.7	0	114.4	--	--
Rainbow 3105YGCB	9	29731	22.9	0	114.0	235.1	174.6
Kruger 0614B	3, 10	31782	23.6	0	113.7	--	--
LG 2540Bt	8, 9	30912	22.0	0	113.6	238.2	175.9
Dyna-Gro 57F87	10	28913	24.2	0	113.5	261.6*	187.6
Rainbow 3158YGCB	9	31255	23.9	0	112.4	240.3	176.4
Renze 8386YGCB	2, 9, 10	28978	22.2	0	111.9	--	--
Rainbow 3120YGCB	9	30929	22.9	0	111.8	230.6	171.2
Renze 8526YGCB	2, 9, 10	29409	24.0	0	111.7	--	--
Kruger 5514YGCB	3, 10	29749	22.7	0	111.5	--	--
Font. High Cycle 7971YGCB	4, 10	27080	22.8	0	111.0	243.1	177.1
Kruger 5313YGCB	3, 10	28735	22.3	0	109.9	237.9	173.9
Croplan Genetics 693CL/Bt	2, 5	28055	22.6	0	109.3	237.5	173.4
MFA MORCORN 3874CB	5	30968	23.1	0	109.2	--	--
Garst 8566YG1	6	29946	22.2	0	109.0	--	--
Renze EX8546YGCB	2, 9, 10	30273	23.6	0	108.3	--	--
Pioneer 33Y45	3, 10	28625	24.1	0	107.8	--	--
Dyna-Gro 57F70	10, 12	28144	22.9	0	107.6	--	--
NK Brand N70-T9	6	30651	23.3	0	106.5	230.8	168.7
Golden Harvest H-9006Bt	5	30179	23.0	0	106.2	--	--
Dyna-Gro 57F37	10, 12	28916	22.8	0	106.2	--	--
Ag Source 6273	5	28899	23.0	0	105.3	--	--
Mersch. M-610F-1	9, 10	28791	21.0	0	105.0	--	--
Burrus 717	4, 10	29514	22.9	0	105.0	--	--
NuTech NT-4516 YGCB	10	29522	24.5	0	104.0	255.1*	179.6
Mycogen 2P781	6	29045	24.0	0	103.8	--	--
Midland MG 7A53BT	10	28530	23.4	0	103.4	207.3	155.4
Mersch. M-512C-1	4, 10	29741	22.9	0	102.2	--	--
Bio Gene BG1132	1, 4, 10	27189	22.3	0	101.5	--	--
NK Brand N67-T4	6	29893	22.6	0	100.8	228.6	164.7
Ag Source X53114	5	30427	23.9	0	100.5	--	--
MFA MORCORN 4474CB	5	30505	23.8	0	99.3	--	--
Ag Source 6693	5	29477	23.6	0	97.4	233.3	165.4
NuTech NT-4312 YGCB	10	29987	22.0	0	97.3	--	--
Vigoro V54Y61	2, 9, 10	30013	22.4	0	96.5	--	--
Font. High Cycle 7987YGCB	4, 10	28010	24.3	0	96.3	--	--
Font. High Cycle 7951YGCB	4, 10	29509	24.0	0	95.2	221.0	158.1
Rainbow 3167	9	27983	25.1	0	94.6	230.0	162.3
Pioneer 34P88	3, 10	29346	21.2	0	94.4	--	--
Garst 8535YG1/IT	6	30471	22.6	0	93.7	223.1	158.4
NuTech NT-0616	10	26994	24.7	0	93.5	--	--
Kruger 0615	3, 10	29163	21.3	0	92.5	--	--
Stine 9804 YGCB	9, 10	29143	23.3	0	90.1	--	--
NuTech EX NT-4012 YGCB	5	30293	23.5	0	90.0	--	--
Kruger 9111YGCB	3, 10	30094	23.2	0	89.4	--	--
Ag Source 6150	5	29410	20.3	0	87.8	--	--
DEKALB DKC60-16 (YGCB)	10	28901	22.0	0	87.6	232.8	160.2
Rainbow 3135YGCB	9	29188	23.5	0	84.9	231.6	158.3
NC+ 5381	1, 10	29872	20.4	0	84.6	--	--
Golden Harvest H-9166	5	31177	20.5	0	84.0	236.0	160.0
Mycogen 2H789	6	30044	23.3	0	83.1	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
NuTech NT-4717 YGCB	5	29197	24.1	0	81.9	244.1	163.0
DEKALB DKC63-62 (RR2)	10	30012	24.5	0	79.1	--	--
Kruger 9115 YGCB	3, 10	29409	23.9	0	79.0	215.6	147.3
Renze 6375	2, 9, 10	30964	21.6	0	76.1	--	--
Kruger 9910 YGCB	3, 10	30764	22.6	0	71.4	--	--
Dyna-Gro 57F19	10, 12	28974	25.1	0	70.4	216.4	143.4
Golden Harvest H-9657	5	30326	25.0	0	67.9	--	--
Bio Gene BG1115	1, 4, 10	30650	21.4	0	66.7	--	--
Vigoro V5240	2, 5, 7, 9	29492	23.1	0	64.2	225.5	144.9
Garst 8380IT	6	29782	25.7	0	63.0	--	--
TEST AVERAGE		29563	23.0	0	109.9	233.7	171.8
L.S.D. AT .10		1419	0.8	NS	16.1	22.6	
C.V. %		3.4	2.5		10.3	6.8	

-- 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 6. Non-Irrigated Corn Test

North Region: LaGrange, MO (Lewis County)

Soil Type: Westerville Silt Loam Soil Test: pH=5.6, OM=2.9%, P=62, K=552

European Corn Borer Rating: Damaged Plants= 40%, Tunnel Length/Plant= 0.39 in.

Rainfall: Apr.=1.8, May=1.8, June=2.5, July=1.8, Aug.=3.8 Total=11.7 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Hawkeye Hybrids 316BT	9	29118	20.3	96	194.9**	288.6*	241.8
MFA MORCORN 4474CB	5	28074	19.2	93	191.1*	--	--
DEKALB DKC61-72 (RR2)	10	30638	17.1	43	190.9*	--	--
NuTech NT-4213 YGCB	5	29782	18.9	68	188.3*	286.4	237.4
Mersch. M-314A-1	4, 10	29925	20.7	95	188.1*	306.8**	247.5
Golden Harvest H-9006Bt	5	30333	17.6	65	187.5*	--	--
Kruger 5416YGCB	3, 10	29640	19.6	68	187.2*	--	--
Garst 8566YG1	6	29411	17.6	55	185.7*	--	--
Renze 8386YGCB	2, 9, 10	27823	19.7	65	185.0*	--	--
LG 2540Bt	8, 9	29640	16.9	63	184.3*	264.0	224.2
Dyna-Gro 57F37	10, 12	30190	19.5	74	184.2*	--	--
Kruger 5517YGCB	3, 10	29086	20.1	94	184.2*	277.4	230.8
Willcross 3193CB	10	28911	20.3	83	184.1*	--	--
Garst 8535YG1/IT	6	29828	17.2	69	184.0*	260.0	222.0
Golden Harvest H-9461	5	29924	19.9	100	183.8*	249.4	216.6
Ag Source 6273	5	28378	19.9	81	183.7*	--	--
Vigoro V54Y61	2, 9, 10	29697	20.0	91	183.5*	--	--
Font. High Cycle 7931YGCB	4, 10	28427	19.2	61	183.5*	253.6	218.6
Renze 6406	2, 9, 10	28310	18.2	33	183.4*	--	--
Ag Source 7883	5	30414	20.6	100	182.8*	--	--
NuTech NT-4312 YGCB	10	29180	17.6	68	182.0*	--	--
Mersch. M-512C-1	4, 10	29301	19.7	93	181.9*	--	--
Garst 8380IT	6	29527	18.6	47	181.7*	--	--
Mersch. M-610F-1	9, 10	29661	15.8	30	181.5*	--	--
Kruger 9212YGCB	3, 10	30062	17.9	87	180.7	--	--
Ag Source 6693	5	28324	19.8	62	180.6	254.8	217.7
Renze 8526YGCB	2, 9, 10	29294	19.9	88	180.5	--	--
DEKALB DKC60-16 (YGCB)	10	29859	18.8	24	180.4	258.5	219.5
Golden Harvest H-8920	5	29587	18.6	37	180.4	--	--
Midland MG 7A53BT	10	30293	18.2	85	180.3	221.0	200.7
MFA MORCORN 3874CB	5	30350	17.4	91	180.2	--	--
Kruger 5313YGCB	3, 10	29641	16.9	72	179.9	281.3	230.6
DEKALB DKC63-79 (YGCB)	10	29905	18.5	56	179.4	253.5	216.5
Burrus 795B	4, 10, 12	29486	21.1	100	179.1	282.0	230.6
Kruger 9313YGCB	3, 10	29523	18.1	81	179.1	--	--
Kruger 9115 YGCB	3, 10	29499	18.9	100	178.5	233.8	206.2
LG 2625Bt	8, 9	29635	19.9	92	178.5	--	--
Mycogen 2H789	6	29717	18.9	36	177.8	--	--
Dyna-Gro 57F87	10	29375	21.2	85	177.8	289.6*	233.7
Pioneer 33K39	3, 11	27396	19.2	54	177.6	--	--
Pioneer 33Y45	3, 10	29483	19.9	67	176.4	--	--
Kruger 5514YGCB	3, 10	30884	19.4	70	175.6	--	--
Rainbow 3105YGCB	9	30211	19.4	74	175.4	243.7	209.6
Croplan Genetics 691 BTLL	2, 5	27976	18.2	84	175.3	--	--
Font. High Cycle 8B436	4, 10	30203	19.3	81	175.3	232.2	203.8

TABLE 6. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Plant	Moisture	Lodging	2005	2004	2 Yr. Mean
		Population (no./acre)					
ASGROW RX715RR2	10	30345	18.0	84	174.9	--	--
Pioneer 33D11	3, 10	28308	18.9	47	174.7	--	--
NK Brand N65-C5	6	29586	17.7	81	174.3	--	--
NuTech NT-4616 YGCB	5	29942	20.7	100	174.3	256.3	215.3
Rainbow 3158YGCB	9	30011	20.7	80	174.0	281.0	227.5
NuTech NT-4516 YGCB	10	29384	20.1	100	173.9	254.5	214.2
Burrus 717	4, 10	30022	18.4	46	173.8	--	--
NK Brand N70-T9	6	30503	19.1	73	173.5	255.8	214.7
Lewis 7044YGCB	10	30473	20.6	79	173.4	287.0	230.2
Pioneer 33A84	3, 11	30434	18.3	82	173.3	284.5	228.9
Font. High Cycle 7951YGCB	4, 10	29447	18.4	96	173.1	229.1	201.1
NuTech NT-0116	10	29636	17.5	77	173.0	--	--
Lewis 5245	10	29896	19.4	79	173.0	--	--
Pioneer 34P88	3, 10	29355	16.4	36	172.8	--	--
Pfister 2730	9, 11	30304	18.6	50	172.2	--	--
NK Brand N76-D3	6	29293	20.6	88	171.9	--	--
Lewis 5343	10	30209	17.8	80	171.5	--	--
NuTech NT-4014 YGCB	10	28451	16.9	100	171.2	--	--
DEKALB DKC63-62 (RR2)	10	30264	18.1	64	170.7	--	--
Vigoro V5160	2, 9, 10	29318	17.5	54	170.6	--	--
LG 2600Bt	8, 9	28545	16.8	95	170.5	--	--
Bio Gene BG1132	1, 4, 10	27554	17.9	28	170.2	--	--
Kruger 0614A	3, 10	30431	18.7	49	170.1	--	--
Rainbow 3120YGCB	9	29991	18.2	93	169.9	229.8	199.9
Mersch. M-612D-1	9, 10	28911	17.5	80	169.8	--	--
Kruger 0614B	3, 10	30278	19.0	17	169.6	--	--
NuTech NT-4717 YGCB	5	29262	19.5	20	169.0	284.4	226.7
Dyna-Gro 57F95	10, 12	28133	18.3	76	168.6	264.4	216.5
Burrus 646R	4, 10	29333	17.5	36	168.6	--	--
Ag Source 6150	5	29314	17.5	78	168.6	--	--
Rainbow 3135YGCB	9	29628	19.5	84	168.1	244.9	206.5
Kruger 9111YGCB	3, 10	30390	17.3	37	167.4	--	--
Stine 9703 YGCB	9, 10	29684	19.3	58	167.2	--	--
NC+ 4971	1, 10	28893	17.1	44	166.7	--	--
Dyna-Gro 57F70	10, 12	27887	18.2	85	166.5	--	--
Dyna-Gro 57F19	10, 12	29663	17.5	53	166.3	238.2	202.3
Pioneer 33N09	3, 11	28873	20.0	21	165.3	--	--
MFA MORCORN 3974CB	5	29064	17.8	67	165.2	--	--
NuTech EX NT-4012 YGCB	5	30272	17.4	88	165.1	--	--
Font. High Cycle 7987YGCB	4, 10	28184	22.1	93	164.5	--	--
Willcross 3123CB	10	29515	17.2	90	163.6	--	--
Croplan Genetics 693CL/Bt	2, 5	29224	18.5	76	163.6	263.6	213.6
Willcross 3103CB	10	28335	18.7	90	162.8	--	--
Rainbow 3167	9	28834	18.9	43	162.7	251.4	207.1
Willcross 3136X1	10	29773	18.9	93	162.2	--	--
NK Brand N67-T4	6	30263	16.9	37	161.3	233.4	197.4
Kruger 0615	3, 10	29164	18.7	49	161.1	--	--
Stine 9804 YGCB	9, 10	28945	20.5	58	160.2	--	--
Font. High Cycle 7971YGCB	4, 10	26690	18.2	94	160.0	241.9	201.0
Golden Harvest H-9166	5	30667	17.7	68	158.6	281.8	220.2
Bio Gene BG1115	1, 4, 10	29211	17.6	55	158.4	--	--
AgriGold A6445CL	10	29344	17.6	81	158.0	--	--
Bio Gene BG1118	1, 4, 10	29370	18.2	56	157.5	--	--
Kruger 0616	3, 10	29415	18.6	47	157.3	--	--

TABLE 6. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Kruger 9910 YGCB	3, 10	30322	14.5	75	157.3	--	--
NC+ 5381	1, 10	30416	17.8	51	157.0	--	--
Renze EX8546YGCB	2, 9, 10	29741	19.3	84	156.4	--	--
Ag Source X53114	5	28758	17.6	50	155.6	--	--
NuTech NT-0616	10	26659	19.4	94	154.8	--	--
Mycogen 2P781	6	28624	20.2	52	154.4	--	--
Renze 6375	2, 9, 10	30140	18.0	42	153.3	--	--
Kruger 0617A	3, 10	26979	17.9	53	151.4	--	--
Vigoro V5240	2, 5, 7, 9	28972	16.4	10	148.8	258.7	203.8
Golden Harvest H-9657	5	31188	22.5	76	147.4	--	--
TEST AVERAGE		29412	18.7	69	172.5	252.4	212.5
L.S.D. AT .10		1493	1.2	31	13.5	19.4	
C.V. %		3.6	4.7		5.4	5.5	

-- 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 2005.

<u>Craig</u> Planted: 05-05 Harvested: 10-03 Growing Season Rainfall: 27.2 in.	<u>Albany</u> Planted: 05-04 Harvested: 09-27 Growing Season Rainfall: 18.3 in.	<u>Mooresville</u> Planted: 05-03 Harvested: 09-21 Growing Season Rainfall: 16.2 in.
<u>Novelty</u> Planted: 04-27 Harvested: 09-21 Growing Season Rainfall: 16.0 in.	<u>LaGrange</u> Planted: 04-21 Harvested: 09-27 Growing Season Rainfall: 11.7 in.	

Brand-Hybrid	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooresville	Novelty	LaGrange	
Non-Irrigated						
Lewis 7044YGCB	199.6*	201.3*	143.4	129.5	173.4	169.4**
DEKALB DKC63-79 (YGCB)	195.0*	190.0	136.1	146.6**	179.4	169.4**
Ag Source 7883	194.5*	196.8*	139.6	124.1	182.8*	167.6*
Burrus 795B	193.8*	201.7*	144.8	115.8	179.1	167.0*
DEKALB DKC61-72 (RR2)	193.1*	183.6	123.5	142.3*	190.9*	166.7*
Hawkeye Hybrids 316BT	185.3	201.5*	130.8	120.7	194.9**	166.6*
Ag Source 6273	197.7*	206.2**	139.5	105.3	183.7*	166.5*
Croplan Genetics 691 BTLL	197.8*	189.5	142.2	127.4	175.3	166.4*
LG 2625Bt	191.9*	204.3*	115.4	141.9*	178.5	166.4*
Willcross 3193CB	180.5	190.5	151.7*	121.6	184.1*	165.7*
Font. High Cycle 7931YGCB	193.7*	195.0*	135.8	118.2	183.5*	165.2*
NuTech NT-4213 YGCB	188.3*	200.0*	130.0	119.4	188.3*	165.2*
Rainbow 3105YGCB	200.6*	198.9*	134.6	114.0	175.4	164.7*
Renze 8386YGCB	194.8*	198.2*	132.3	111.9	185.0*	164.4*
Lewis 5343	184.2	197.6*	134.1	134.0*	171.5	164.3*
Golden Harvest H-9006Bt	185.3	202.3*	139.2	106.2	187.5*	164.1*
Kruger 9313YGCB	183.9	187.6	131.5	138.1*	179.1	164.0*
Golden Harvest H-9461	167.7	185.8	156.7*	126.0	183.8*	164.0*
Pfister 2730	191.9*	196.6*	128.2	129.5	172.2	163.7*
Renze 6406	182.0	188.9	135.4	128.5	183.4*	163.6*
MFA MORCORN 4474CB	194.7*	181.4	151.1*	99.3	191.1*	163.5*
Pioneer 33D11	181.4	203.2*	124.6	132.9*	174.7	163.4*
NuTech NT-4014 YGCB	179.1	196.4*	141.6	126.0	171.2	162.9*
Vigoro V54Y61	203.9*	199.4*	130.7	96.5	183.5*	162.8*
Mersch. M-512C-1	197.0*	195.7*	136.4	102.2	181.9*	162.6*
LG 2600Bt	189.0*	190.1	131.8	130.1	170.5	162.3*
Pioneer 33A84	196.4*	189.1	130.6	121.4	173.3	162.2*
Willcross 3136X1	179.1	181.0	144.5	143.4*	162.2	162.0
Mersch. M-314A-1	188.1*	190.1	127.8	115.1	188.1*	161.8
ASGROW RX715RR2	190.5*	198.0*	118.0	127.6	174.9	161.8
Kruger 5416YGCB	185.9	191.4*	129.5	114.8	187.2*	161.8
NC+ 4971	200.8*	186.5	132.4	122.3	166.7	161.7
Golden Harvest H-8920	186.1	178.5	133.8	128.4	180.4	161.4
NuTech NT-4516 YGCB	181.9	184.3	163.0**	104.0	173.9	161.4
NuTech NT-4616 YGCB	177.8	188.4	128.0	137.6*	174.3	161.2
Kruger 5517YGCB	174.5	191.3*	125.0	129.1	184.2*	160.8
Dyna-Gro 57F37	183.0	194.0*	135.3	106.2	184.2*	160.5
Pioneer 33K39	187.9*	181.3	133.4	120.9	177.6	160.2
Willcross 3123CB	178.1	199.1*	126.8	132.9*	163.6	160.1
Kruger 9212YGCB	181.7	189.2	131.4	117.4	180.7	160.1
Pioneer 33N09	201.4*	187.2	120.1	125.6	165.3	159.9
Rainbow 3158YGCB	185.9	196.0*	131.0	112.4	174.0	159.8
Mersch. M-612D-1	185.1	190.4	130.6	123.3	169.8	159.8
NK Brand N76-D3	174.3	184.1	146.9	120.7	171.9	159.6
Dyna-Gro 57F87	182.2	182.2	141.0	113.5	177.8	159.3

Table 7. Continued.

Brand-Hybrid	Yield (Bu/Acre)					
	Craig	Albany	Mooresville	Novelty	LaGrange	Mean
Non-Irrigated						
NuTech NT-4312 YGCB	186.9*	197.1*	132.4	97.3	182.0*	159.1
Kruger 5313YGCB	188.9*	184.6	131.9	109.9	179.9	159.0
Kruger 5514YGCB	176.2	199.3*	131.7	111.5	175.6	158.9
NuTech NT-0116	182.0	187.9	119.5	130.2	173.0	158.5
LG 2540Bt	182.2	187.0	125.3	113.6	184.3*	158.5
NK Brand N65-C5	190.3*	183.4	126.4	117.8	174.3	158.4
Vigoro V5160	186.7*	175.4	128.1	130.0	170.6	158.2
Dyna-Gro 57F95	168.6	176.8	134.3	142.3*	168.6	158.1
Pioneer 33Y45	189.2*	183.4	130.4	107.8	176.4	157.4
Font. High Cycle 8B436	187.7*	176.3	119.8	128.0	175.3	157.4
Kruger 0614B	197.6*	181.1	124.3	113.7	169.6	157.3
Midland MG 7A53BT	179.9	180.1	141.1	103.4	180.3	157.0
NK Brand N70-T9	178.4	200.4*	125.4	106.5	173.5	156.8
Renze 8526YGCB	174.2	179.2	138.1	111.7	180.5	156.7
Garst 8380IT	206.7**	192.2*	138.0	63.0	181.7*	156.3
Willcross 3103CB	180.1	167.1	134.1	137.0*	162.8	156.2
Kruger 9115 YGCB	187.9*	196.3*	137.6	79.0	178.5	155.9
Lewis 5245	169.0	195.2*	127.7	114.4	173.0	155.8
Garst 8566YG1	190.8*	171.7	121.2	109.0	185.7*	155.7
Kruger 0614A	170.8	184.8	130.5	121.4	170.1	155.5
Rainbow 3120YGCB	177.3	183.6	134.1	111.8	169.9	155.3
Garst 8535YG1/IT	183.1	186.7	128.1	93.7	184.0*	155.1
Font. High Cycle 7951YGCB	174.7	200.2*	132.4	95.2	173.1	155.1
Mycogen 2H789	193.9*	189.8	130.9	83.1	177.8	155.1
Dyna-Gro 57F70	170.0	176.4	153.7*	107.6	166.5	154.8
Pioneer 34P88	193.3*	197.6*	115.4	94.4	172.8	154.7
MFA MORCORN 3874CB	170.2	181.7	131.4	109.2	180.2	154.5
Ag Source 6693	163.1	185.7	145.4	97.4	180.6	154.4
Font. High Cycle 7971YGCB	184.6	188.0	127.7	111.0	160.0	154.3
DEKALB DKC60-16 (YGCB)	188.3*	200.4*	113.8	87.6	180.4	154.1
Stine 9703 YGCB	173.3	203.0*	110.5	115.4	167.2	153.9
Burrus 717	179.1	182.8	125.9	105.0	173.8	153.3
Renze EX8546YGCB	184.5	192.6*	120.6	108.3	156.4	152.5
Croplan Genetics 693CL/Bt	173.4	184.6	128.8	109.3	163.6	151.9
NuTech NT-4717 YGCB	187.1*	178.5	142.8	81.9	169.0	151.9
NK Brand N67-T4	182.6	181.7	130.6	100.8	161.3	151.4
MFA MORCORN 3974CB	177.9	167.2	123.3	122.8	165.2	151.3
Ag Source X53114	177.8	191.6*	130.2	100.5	155.6	151.1
DEKALB DKC63-62 (RR2)	186.7*	194.2*	124.1	79.1	170.7	151.0
Kruger 0616	170.7	173.4	124.6	128.3	157.3	150.8
Bio Gene BG1132	180.6	172.3	126.2	101.5	170.2	150.2
NuTech NT-0616	183.1	179.6	139.0	93.5	154.8	150.0
Kruger 0617A	175.7	180.3	121.6	121.0	151.4	150.0
Stine 9804 YGCB	179.0	196.8*	122.6	90.1	160.2	149.7
AgriGold A6445CL	169.0	188.2	117.2	115.0	158.0	149.5
Burrus 646R	155.6	184.4	116.8	121.1	168.6	149.3
Font. High Cycle 7987YGCB	159.4	188.8	137.2	96.3	164.5	149.2
Mersch. M-610F-1	157.0	184.1	111.2	105.0	181.5*	147.8
Rainbow 3135YGCB	174.9	189.0	116.3	84.9	168.1	146.6
Rainbow 3167	184.5	177.6	111.0	94.6	162.7	146.1
Bio Gene BG1118	161.7	172.4	116.3	117.4	157.5	145.0
Dyna-Gro 57F19	168.7	193.6*	123.6	70.4	166.3	144.5
Kruger 0615	170.9	166.6	125.6	92.5	161.1	143.3
Vigoro V5240	198.6*	177.4	121.2	64.2	148.8	142.0

Table 7. Continued.

Brand-Hybrid	Yield (Bu/Acre)					Mean
	Craig	Albany	Mooreville	Novelty	LaGrange	
Non-Irrigated						
Golden Harvest H-9166	171.9	169.6	124.4	84.0	158.6	141.7
NuTech EX NT-4012 YGCB	153.8	181.5	116.5	90.0	165.1	141.4
NC+ 5381	174.8	173.4	116.9	84.6	157.0	141.3
Mycogen 2P781	173.4	169.5	100.4	103.8	154.4	140.3
Ag Source 6150	159.9	172.3	112.2	87.8	168.6	140.2
Bio Gene BG1115	169.1	178.3	122.6	66.7	158.4	139.0
Renze 6375	167.1	176.4	121.4	76.1	153.3	138.9
Kruger 9910 YGCB	156.0	172.4	121.9	71.4	157.3	135.8
Kruger 9111YGCB	134.2	159.9	120.8	89.4	167.4	134.3
Golden Harvest H-9657	164.0	164.9	108.4	67.9	147.4	130.5
TEST AVERAGE	181.4	186.9	129.5	109.9	172.5	156.0
L.S.D. AT .10	20.3	15.0	13.6	16.1	13.5	7.1
C.V. %	7.8	5.6	7.3	10.3	5.4	7.3

** 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=6.8, OM=3.2%, P=84, K=326

European Corn Borer Rating: Damaged Plants= 36%, Tunnel Length/Plant= 1.4 in.

Rainfall: Apr.=4.9, May=1.4, June=5.8, July=4.2, Aug.=2.0 Total=18.3 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 2004	bu/acre	
High Yield Check 2	--	29174	21.0	0	216.4**	188.4	202.4
Bio Gene RR/CB1163	1, 4, 10	29669	21.0	0	204.8*	--	--
Croplan Genetics 731Hx/LL	2, 5	30352	19.3	0	202.1*	216.0*	209.1
Pioneer 34A16	3, 11	28824	18.0	0	199.7	--	--
Lewis 7095YGPL/RR	10	30384	20.9	0	198.6	--	--
Kruger 9115RR/YGCB	3, 10	30346	18.6	0	196.8	198.1	197.5
Pioneer 33R81	3, 11	30332	18.9	3	196.7	--	--
Stauffer 2816BR	5	29833	21.4	0	195.8	--	--
Pfister 3356RR-Bt	9, 11	27853	21.6	1	193.7	--	--
High Yield Check 3	--	29030	19.2	0	193.3	174.6	184.0
Kruger 2517RR/YGCB	3, 10	30436	21.0	3	193.2	210.7*	202.0
High Yield Check 1	--	30460	18.2	0	193.0	172.3	182.7
Pfister 2656RR-Bt	9, 11	29832	18.4	0	192.9	--	--
Kruger 9212TS	3, 10	29844	17.2	2	192.1	--	--
Burrus 796T	4, 10	28810	21.6	0	191.6	--	--
Mycogen 2T780	6	29481	19.0	0	190.8	218.2**	204.5
NuTech NT-9616YGPLUS	10	28142	21.2	0	189.1	--	--
Kruger 9308RR/YGCB	3, 10	30041	15.8	1	188.9	--	--
Mycogen 2G768	6	29346	18.6	0	188.3	--	--
Kruger 9313RR/YGCB	3, 10	28537	19.4	0	188.0	--	--
Kruger 9115TS	3, 10	30311	18.6	0	186.5	--	--
Kruger 8614HX	3, 10	28598	18.8	0	184.8	--	--
Pioneer 33B54	3, 11	27880	19.6	0	183.6	--	--
NuTech NT-2515 HX	10	29098	21.6	0	182.5	--	--
Kruger 8616HX	3, 10	30700	19.8	0	182.3	--	--
Lewis 5365YGCB/RR	10	30157	18.6	0	181.8	--	--
Stauffer 2677BR	5	29740	16.9	3	181.3	--	--
Mycogen 2T801	6	29859	18.1	0	181.2	--	--
Font. High Cycle 8H911	4, 10	31000	18.7	0	181.0	--	--
NuTech NT-5616 RR/YGCB	5	30119	20.9	0	180.0	--	--
Kruger 8414HX	3, 10	29915	19.3	1	179.5	--	--
Burrus 670S	4, 10	26737	19.6	0	175.5	--	--
Kruger 8609HX	3, 10	30451	16.4	1	168.4	--	--
NuTech NT-2016 HX	10	28495	21.1	0	168.1	--	--
Kruger 9212RR/YGCB	3, 10	28238	17.4	0	167.8	174.1	171.0
TEST AVERAGE		29486	19.3	0	188.3	187.5	187.9
L.S.D. AT .10		1489	0.9	2	16.1	19.3	
C.V. %		3.5	3.4		5.9	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 9. New Technology Corn Test

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

Soil Type: Putnam Silt Loam Soil Test: pH=6.8, OM=2.7%, P=50, K=246

European Corn Borer Rating: Damaged Plants= 32%, Tunnel Length/Plant= 0.14 in.

Rainfall: Apr.=2.7, May=2.2, June=5.7, July=2.2, Aug.=3.2 Total=16.0 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
High Yield Check 2	--	28928	23.9	0	137.4**	248.3	192.9
Lewis 5365YGCB/RR	10	30472	23.2	0	135.3*	--	--
Stauffer 2677BR	5	29167	22.7	0	131.1*	--	--
Burrus 670S	4, 10	30025	22.5	0	130.7*	--	--
Pioneer 33R81	3, 11	30580	23.5	0	130.4*	--	--
High Yield Check 3	--	28969	22.7	0	128.5*	255.2	191.9
Burrus 796T	4, 10	30504	24.0	0	126.9*	--	--
High Yield Check 1	--	30255	22.6	0	125.4*	242.1	183.8
Lewis 7095YGPL/RR	10	29276	23.9	0	125.3*	--	--
Pioneer 33B54	3, 11	29918	22.9	0	121.7	--	--
Stauffer 2816BR	5	29493	24.5	0	121.1	--	--
NuTech NT-5616 RR/YGCB	5	30269	25.4	0	119.0	--	--
NuTech NT-9616YGPLUS	10	29655	24.1	0	118.4	--	--
Kruger 9212RR/YGCB	3, 10	31484	22.4	0	117.8	250.2	184.0
Pioneer 34A16	3, 11	29808	20.3	0	117.6	--	--
Kruger 9313RR/YGCB	3, 10	29630	22.1	0	114.7	--	--
Kruger 9212TS	3, 10	29337	22.0	0	114.2	--	--
Pfister 2656RR-Bt	9, 11	29946	22.9	0	112.3	--	--
Bio Gene RR/CB1163	1, 4, 10	28581	24.4	0	112.2	--	--
Pfister 3356RR-Bt	9, 11	29871	24.1	0	111.2	--	--
Font. High Cycle 8H911	4, 10	30643	23.2	0	108.2	--	--
Kruger 8414HX	3, 10	29336	23.4	0	106.1	--	--
Mycogen 2G768	6	29159	22.8	0	105.9	--	--
Kruger 9308RR/YGCB	3, 10	30377	20.8	0	104.7	--	--
Croplan Genetics 731Hx/LL	2, 5	30231	23.8	0	103.4	247.8	175.6
Mycogen 2T780	6	30180	23.1	0	101.9	228.9	165.4
Kruger 2517RR/YGCB	3, 10	31136	24.1	0	97.6	271.5**	184.6
Kruger 8614HX	3, 10	29924	22.3	0	91.7	--	--
Kruger 9115TS	3, 10	28683	23.8	0	81.0	--	--
NuTech NT-2515 HX	10	29591	25.3	0	77.4	--	--
Kruger 9115RR/YGCB	3, 10	30327	24.1	0	76.5	260.8	168.7
Mycogen 2T801	6	29770	24.2	0	74.6	--	--
NuTech NT-2016 HX	10	30104	26.5	0	66.5	--	--
Kruger 8609HX	3, 10	29384	22.4	0	50.4	--	--
Kruger 8616HX	3, 10	29945	23.7	0	40.6	--	--
TEST AVERAGE		29856	23.4	0	106.8	246.7	176.8
L.S.D. AT .10		NS	0.9	0	14.6	NS	
C.V. %		3.3	2.7		9.4	8.6	

-- 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 10. **New Technology Corn Test**

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

Soil Type: Mexico Silt Loam Soil Test: pH=6.6, OM=1.1%, P=106, K=444

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

Rainfall: Apr.=3.6, May=2.1, June=3.6, July=0.4, Aug.=8.8 Total=18.5 in

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 2004	bu/acre	
Kruger 8614HX	3, 10	27002	15.7	7	103.7**	--	--
NuTech NT-9616YGPLUS	10	25877	21.6	1	103.0*	--	--
Kruger 9115TS	3, 10	28197	22.7	3	94.1*	--	--
Kruger 9212TS	3, 10	29298	17.5	17	93.1*	--	--
High Yield Check 2	--	25936	17.2	12	89.2	254.6	171.9
Kruger 2517RR/YGCB	3, 10	24288	19.2	3	87.9	246.4	167.2
Pioneer 34A16	3, 11	30162	14.1	6	87.9	--	--
Stauffer 2816BR	5	26203	19.5	7	87.3	--	--
Bio Gene RR/CB1163	1, 4, 10	23092	19.4	2	86.2	--	--
Pfister 3356RR-Bt	9, 11	25051	19.7	1	86.0	--	--
Lewis 7095YGPL/RR	10	26844	21.1	7	84.9	--	--
Pfister 2656RR-Bt	9, 11	26861	18.0	8	84.2	--	--
Kruger 8609HX	3, 10	28508	18.1	4	83.3	--	--
Kruger 9313RR/YGCB	3, 10	24458	17.5	2	83.2	--	--
Burrus 796T	4, 10	26829	19.3	13	83.1	--	--
Mycogen 2G768	6	29264	15.7	0	82.4	--	--
Kruger 9212RR/YGCB	3, 10	28827	15.3	5	81.4	249.6	165.5
Lewis 5365YGCB/RR	10	27273	19.0	2	81.3	--	--
Font. High Cycle 8H911	4, 10	24485	18.9	14	80.0	--	--
High Yield Check 3	--	26844	15.0	6	79.8	249.2	164.5
Stauffer 2677BR	5	25221	17.6	8	79.7	--	--
NuTech NT-5616 RR/YGCB	5	30045	21.3	7	79.6	--	--
Pioneer 33R81	3, 11	27997	20.2	4	79.0	--	--
Kruger 9308RR/YGCB	3, 10	27969	16.1	9	78.8	--	--
Croplan Genetics 731Hx/LL	2, 5	22318	18.2	25	78.6	251.2	164.9
Mycogen 2T780	6	26363	16.8	11	78.3	240.8	159.6
Burrus 670S	4, 10	21398	17.6	0	78.0	--	--
Kruger 8414HX	3, 10	29272	19.3	10	76.6	--	--
Kruger 9115RR/YGCB	3, 10	27947	21.2	1	76.0	248.6	162.3
Pioneer 33B54	3, 11	21880	20.7	2	75.6	--	--
NuTech NT-2515 HX	10	25339	22.0	8	75.3	--	--
Kruger 8616HX	3, 10	26208	18.1	0	75.3	--	--
High Yield Check 1	--	28711	13.6	1	74.3	236.6	155.5
Mycogen 2T801	6	29360	21.8	1	68.2	--	--
NuTech NT-2016 HX	10	22903	20.5	5	63.9	--	--
TEST AVERAGE		26521	18.6	6	82.3	244.7	163.5
L.S.D. AT .10		3460	2.3	10	11.2	NS	
C.V. %		9.3	9.4		9.2	6.9	

-- 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 11. Performance Summary for New Technology Hybrids evaluated at Three North/Central Missouri locations (Albany, Novelty, Columbia) during 2005.

<u>Albany</u> Planted: 05-04 Harvested: 09-27 Growing Season Rainfall: 18.3 in.	<u>Novelty</u> Planted: 04-27 Harvested: 09-21 Growing Season Rainfall: 16.0 in.	<u>Columbia</u> Planted: 04-01 Harvested: 08-30,31 Growing Season Rainfall: 18.5 in
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Brand-Hybrid	Yield (Bu/Acre)			Mean
	Albany	Novelty	Columbia	
New Technology				
High Yield Check 2	216.4**	137.4**	89.2	147.7**
NuTech NT-9616YGPLUS	189.1	118.4	103.0*	136.8
Lewis 7095YGPL/RR	198.6	125.3*	84.9	136.3
Pioneer 33R81	196.7	130.4*	79.0	135.4
Pioneer 34A16	199.7	117.6	87.9	135.1
Stauffer 2816BR	195.8	121.1	87.3	134.7
Bio Gene RR/CB1163	204.8*	112.2	86.2	134.4
Burrus 796T	191.6	126.9*	83.1	133.9
High Yield Check 3	193.3	128.5*	79.8	133.9
Kruger 9212TS	192.1	114.2	93.1*	133.1
Lewis 5365YGCB/RR	181.8	135.3*	81.3	132.8
High Yield Check 1	193.0	125.4*	74.3	130.9
Stauffer 2677BR	181.3	131.1*	79.7	130.7
Pfister 3356RR-Bt	193.7	111.2	86.0	130.3
Pfister 2656RR-Bt	192.9	112.3	84.2	129.8
Kruger 9313RR/YGCB	188.0	114.7	83.2	128.6
Burrus 670S	175.5	130.7*	78.0	128.1
Croplan Genetics 731Hx/LL	202.1*	103.4	78.6	128.0
Pioneer 33B54	183.6	121.7	75.6	127.0
Kruger 8614HX	184.8	91.7	103.7**	126.7
Kruger 2517RR/YGCB	193.2	97.6	87.9	126.2
NuTech NT-5616 RR/YGCB	180.0	119.0	79.6	126.2
Mycogen 2G768	188.3	105.9	82.4	125.5
Kruger 9308RR/YGCB	188.9	104.7	78.8	124.1
Mycogen 2T780	190.8	101.9	78.3	123.7
Font. High Cycle 8H911	181.0	108.2	80.0	123.1
Kruger 9212RR/YGCB	167.8	117.8	81.4	122.3
Kruger 8414HX	179.5	106.1	76.6	120.7
Kruger 9115TS	186.5	81.0	94.1*	120.5
Kruger 9115RR/YGCB	196.8	76.5	76.0	116.4
NuTech NT-2515 HX	182.5	77.4	75.3	111.7
Mycogen 2T801	181.2	74.6	68.2	108.0
Kruger 8609HX	168.4	50.4	83.3	100.7
NuTech NT-2016 HX	168.1	66.5	63.9	99.5
Kruger 8616HX	182.3	40.6	75.3	99.4
TEST AVERAGE	188.3	106.8	82.3	125.8
L.S.D. AT .10	16.1	14.6	11.2	8.0
C.V. %	5.9	9.4	9.2	8.2

** 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.

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 March 30 to May 10 with soil conditions being very good at all locations at planting. The Columbia and Laddonia locations were hit by light frost in late April that injured the leaves but the plants recovered fully. There was also some injury at Annada from anhydrous ammonia because of the dry spring weather. Below normal rainfall and above normal temperatures during grain-fill decreased yields over last years record levels, but the region average was still very good. There was severe lodging at the Henrietta location following a storm in mid-July. Very little disease and insect pressure was present.

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

Average temperature = 70.0 degrees, 1.5 degrees above normal

Average precipitation = 16.7", 3.4" below normal

Growing degree days = 3095 days, 189 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	04-20	09-22	210	52	60	Conv.	Dual II Magnum, Callisto, Atrazine	None	Force 3G
Marshall	05-10	10-03	200	0	0	No-till	Dual II Magnum, Princep, Atrazine, Liberty	Callisto	Force 3G
Columbia	04-01	08-30,31	170	46	62	Min.	Dual II Magnum, Callisto, Atrazine	None	Force 3G
Truxton	04-25	09-06	150	100	80	No-till	Dual II Magnum, Callisto, Atrazine	None	Force 3G
Annada	04-08	09-13	190	120	0	Conv.	Degree Xtra, Atrazine, Princep	None	Force 3G
<i>Irrigated Corn Tests</i>									
Columbia	03-31	09-09	250	46	62	No-till	Dual II Magnum, Atrazine, Callisto	None	Force 3G
Laddonia	03-30	08-30	230	100	100	Conv.	Dual II Magnum, Atrazine, Callisto	Callisto	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=2.2%, P=38, K=412

European Corn Borer Rating: Damaged Plants= 28%, Tunnel Length/Plant= 0.63 in.

Rainfall: Apr.=2.6, May=3.7, June=10.8, July=3.0, Aug.=8.8 Total=28.9 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Garst 8292YG1	6	28522	17.5	70	247.2**	263.6*	255.4
Garst 8566YG1	6	28566	14.1	37	240.9*	--	--
Willcross 3123CB	10	29573	13.6	69	239.9*	--	--
Kruger 5416YGCB	3, 10	28863	16.0	78	238.7*	--	--
Lewis 5343	10	30257	13.3	61	235.2*	--	--
Kruger 9313YGCB	3, 10	29543	14.4	78	233.5*	--	--
Pioneer 33K39	3, 11	26472	15.8	72	231.5*	--	--
Mersch. M-512C-1	4, 10	28309	15.7	69	230.2*	--	--
Croplan Genetics 693CL/Bt	2, 5	27687	14.2	43	228.0*	236.6	232.3
DEKALB DKC63-62 (RR2)	10	29797	14.8	93	227.6*	--	--
NC+ 4971	1, 10	26804	14.7	55	225.8*	--	--
Mycogen 2H789	6	29750	15.5	56	224.8*	--	--
DEKALB DKC61-72 (RR2)	10	29017	14.0	100	223.9*	--	--
Burrus 646R	4, 10	29249	14.3	65	223.3*	--	--
LG 2540Bt	8, 9	28322	13.8	25	223.1*	247.2	235.2
DEKALB DKC60-16 (YGCB)	10	28128	14.8	49	221.6*	234.4	228.0
Stine 9703 YGCB	9, 10	27675	15.1	84	221.3*	--	--
Golden Harvest H-9166	5	31083	15.1	60	221.2*	234.8	228.0
Dyna-Gro 57F37	10, 12	30273	16.8	67	220.3*	--	--
Wyffels W7260	10	29885	13.9	41	219.9*	215.5	217.7
NC+ 5381	1, 10	29201	13.8	67	217.5*	--	--
NK Brand N76-D3	6	27847	16.3	83	213.3	--	--
Mersch. M-612D-1	9, 10	28309	15.1	99	213.1	--	--
DEKALB DKC63-79 (YGCB)	10	29613	16.1	87	212.8	252.9	232.9
NK Brand N65-C5	6	28870	14.3	95	212.0	--	--
Stine 111A YGCB	9, 10	26505	15.9	66	211.8	--	--
Kruger 5616YGCB	3, 10	27904	15.2	35	211.4	--	--
LG 2640Bt	8, 9	28012	15.4	100	210.9	--	--
Wyffels W8720	2, 9, 10	28531	16.0	76	209.6	--	--
Lewis 7044YGCB	10	30140	17.0	81	209.2	275.5*	242.4
Pioneer 33Y45	3, 10	28206	16.9	86	208.0	--	--
Pioneer 33N09	3, 11	29037	17.1	100	207.8	--	--
Pioneer 33A84	3, 11	30167	16.0	86	207.5	247.3	227.4
Kruger 0614A	3, 10	28125	14.9	85	207.1	--	--
Lewis 7206	10	29159	16.3	54	206.6	--	--
Croplan Genetics 691 BTLL	2, 5	28214	15.1	52	206.4	--	--
NK Brand N67-T4	6	28984	14.5	80	205.7	232.7	219.2
Dyna-Gro 57F19	10, 12	28051	15.4	100	204.6	247.9	226.3
Burrus 795B	4, 10, 12	29539	16.8	76	204.5	265.2*	234.9
Pioneer 33D11	3, 10	26993	14.9	67	201.8	--	--
Ag Source 7883	5	29620	17.6	86	201.7	--	--
Kruger 0516	3, 10	29805	13.9	75	201.5	--	--
Golden Harvest H-9563Bt	5	29890	16.2	78	201.2	--	--
Bio Gene CB1143	1, 4, 10	29552	17.0	85	198.8	--	--
Kruger 5617YGCB	3, 10	28745	15.5	56	197.0	--	--

TABLE 13. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	2 Yr. Mean
				-----bu/acre-----			
Stine 9804 YGCB	9, 10	27803	17.7	89	196.9	--	--
Bio Gene BT1152	1, 4, 10	28852	17.3	99	196.4	--	--
Dyna-Gro 57F70	10, 12	26943	14.9	85	196.3	--	--
Mersch. M-314A-1	4, 10	28050	17.9	84	195.4	267.5*	231.5
Kruger 5514YGCB	3, 10	29954	15.4	70	195.4	--	--
Garst 8380IT	6	29540	14.2	89	195.2	--	--
Kruger 9115 YGCB	3, 10	29571	14.8	94	195.0	--	--
Mersch. M-613B	9, 10	27231	16.6	69	193.7	--	--
LG 2625Bt	8, 9	29726	16.2	92	190.7	--	--
MFA MORCORN 4474CB	5	29341	15.3	94	190.0	--	--
Midland MG 7A53BT	10	28717	15.1	92	189.9	251.0	220.5
Kruger 9212YGCB	3, 10	27791	14.8	81	186.9	--	--
Wyffels W6613	10	28485	14.8	95	186.0	233.7	209.9
NuTech NT-4616 YGCB	5	30107	18.0	100	185.6	250.3	218.0
Midland MG 7A58BT	10	28636	18.1	96	184.0	251.7	217.9
Mycogen 2J787	6	29320	13.8	25	182.8	253.3	218.1
Garst 8350YG1	6	28922	14.9	76	182.4	259.9	221.2
MFA MORCORN 3874CB	5	29174	15.5	100	181.9	--	--
Dyna-Gro 57F95	10, 12	28889	15.3	94	179.5	--	--
Kruger 5517YGCB	3, 10	28558	18.3	74	178.9	261.2*	220.1
Kruger 0616	3, 10	28644	15.9	92	178.2	--	--
Kruger 0617A	3, 10	27041	13.9	49	177.9	--	--
Willcross 3103CB	10	25879	14.9	100	177.2	219.8	198.5
NK Brand N70-T9	6	30287	16.4	93	175.6	226.2	200.9
Garst 8450IT	6	30507	15.4	67	174.9	--	--
MFA MORCORN 3974CB	5	27133	15.7	100	174.2	--	--
Vigoro V58Y41	6	27610	17.0	90	172.2	260.2	216.2
Willcross 3193CB	10	28382	16.2	100	171.9	--	--
Wyffels W8603	2, 9, 10	27975	18.6	77	165.3	265.6*	215.5
NuTech NT-4516 YGCB	10	28959	16.1	82	162.6	--	--
Dyna-Gro 57F87	10	29696	17.6	97	152.9	255.3	204.1
Golden Harvest H-9493Bt	5	29243	18.9	90	151.7	263.8*	207.8
Burrus 735R	4, 10	29857	14.8	87	151.2	--	--
ASGROW RX715RR2	10	29116	16.4	99	143.1	--	--
Golden Harvest H-9657	5	28803	17.2	94	140.6	--	--
Midland MG 7A55	10	28450	18.0	94	123.7	--	--
TEST AVERAGE		28765	15.7	78	199.2	244.6	221.9
L.S.D. AT .10		1625	1.1	33	33.5	16.5	
C.V. %		4.0	5.3		12.1	4.7	

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

Central Region: Marshall, MO (Saline County)

Soil Type: Joy Silt Loam Soil Test: pH=6.8, OM=3.0%, P=120, K=282

European Corn Borer Rating: Damaged Plants= 44%, Tunnel Length/Plant= 0.46 in.

Rainfall: Apr.=2.0, May=3.0, June=3.4, July=1.8, Aug.=7.5 Total=17.7 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 -----bu/acre-----	2004	
Dyna-Gro 57F37	10, 12	30344	20.0	2	203.1**	--	--
Mersch. M-612D-1	9, 10	29385	19.2	0	202.6*	--	--
Kruger 5514YGCB	3, 10	30095	18.8	0	201.5*	--	--
LG 2625Bt	8, 9	30163	20.5	5	197.8*	--	--
Lewis 5343	10	29392	18.5	0	197.1*	--	--
Mersch. M-613B	9, 10	29783	18.3	4	196.4*	--	--
Kruger 0616	3, 10	27423	17.9	0	194.6*	--	--
Burrus 795B	4, 10, 12	28797	18.5	13	194.2*	215.0*	204.6
DEKALB DKC63-79 (YGCB)	10	28870	19.1	9	194.0*	205.5	199.8
Mersch. M-512C-1	4, 10	29754	19.8	0	193.2*	--	--
Wyffels W7260	10	28820	19.4	0	193.0*	215.9*	204.5
Kruger 9313YGCB	3, 10	29025	18.6	1	192.9*	--	--
Midland MG 7A53BT	10	29664	17.1	3	192.6*	184.2	188.4
NC+ 4971	1, 10	28433	18.8	8	192.2*	--	--
DEKALB DKC61-72 (RR2)	10	30028	16.5	10	192.1*	--	--
LG 2540Bt	8, 9	30263	17.0	5	191.6*	211.4	201.5
Willcross 3103CB	10	28482	18.1	6	191.6*	204.5	198.1
Garst 8292YG1	6	29575	20.1	2	190.9*	210.5	200.7
Vigoro V58Y41	6	29296	19.6	7	190.8*	233.4**	212.1
Mycogen 2H789	6	30240	18.5	7	190.7*	--	--
Croplan Genetics 691 BTLL	2, 5	29158	17.0	7	190.4*	--	--
Bio Gene BT1152	1, 4, 10	28675	20.6	2	189.9*	--	--
Wyffels W8603	2, 9, 10	27168	19.8	17	189.7*	209.1	199.4
Pioneer 33D11	3, 10	27711	16.7	1	189.4*	--	--
DEKALB DKC60-16 (YGCB)	10	29635	17.4	3	188.9*	220.4*	204.7
Dyna-Gro 57F87	10	29756	18.4	10	187.6*	208.8	198.2
NuTech NT-4616 YGCB	5	30106	19.5	21	187.5*	204.7	196.1
Kruger 5617YGCB	3, 10	30695	18.9	13	187.1	--	--
Kruger 5416YGCB	3, 10	28188	19.6	2	186.9	--	--
NK Brand N65-C5	6	30292	16.1	9	186.6	--	--
Pioneer 33N09	3, 11	28259	17.9	17	186.6	--	--
Mersch. M-314A-1	4, 10	29368	19.1	33	186.4	208.4	197.4
Pioneer 33Y45	3, 10	28106	18.7	13	185.2	--	--
Stine 111A YGCB	9, 10	28772	17.9	2	184.9	--	--
Kruger 9115 YGCB	3, 10	29155	16.6	6	184.9	--	--
Midland MG 7A58BT	10	29952	19.6	23	183.9	215.8*	199.9
Kruger 0614A	3, 10	29530	18.9	7	183.6	--	--
Golden Harvest H-9493Bt	5	29655	18.7	13	183.2	199.0	191.1
Lewis 7206	10	29893	20.1	8	182.6	--	--
NK Brand N76-D3	6	28396	19.4	0	182.3	--	--
NC+ 5381	1, 10	29798	19.0	1	181.7	--	--
Wyffels W8720	2, 9, 10	28490	19.8	4	180.8	--	--
Garst 8380IT	6	29049	16.8	0	180.6	--	--
Lewis 7044YGCB	10	28259	19.0	14	179.8	223.9*	201.9
Kruger 5517YGCB	3, 10	29800	19.1	29	179.6	222.8*	201.2

TABLE 14. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Pioneer 33K39	3, 11	28104	18.8	6	179.4	--	--
Dyna-Gro 57F95	10, 12	28519	18.2	19	177.8	--	--
Golden Harvest H-9166	5	30428	19.1	7	177.8	215.9*	196.9
Ag Source 7883	5	29844	20.5	30	177.8	--	--
Kruger 0617A	3, 10	28568	17.3	4	176.7	--	--
Croplan Genetics 693CL/Bt	2, 5	29735	17.4	0	176.5	203.6	190.1
DEKALB DKC63-62 (RR2)	10	30385	16.0	7	175.5	--	--
ASGROW RX715RR2	10	28997	16.3	22	174.8	--	--
Dyna-Gro 57F19	10, 12	29229	16.2	5	174.0	189.8	181.9
LG 2640Bt	8, 9	29436	19.3	2	173.7	--	--
Burrus 646R	4, 10	29441	18.1	3	173.2	--	--
Kruger 5616YGCB	3, 10	27691	17.4	2	172.4	--	--
NK Brand N67-T4	6	27998	18.1	1	172.2	196.1	184.2
Bio Gene CB1143	1, 4, 10	29558	19.4	17	172.2	--	--
Willcross 3123CB	10	28162	17.2	0	172.1	--	--
NK Brand N70-T9	6	31631	19.0	1	172.0	209.4	190.7
Wyffels W6613	10	29123	17.1	36	172.0	174.2	173.1
Burrus 735R	4, 10	29160	18.7	0	170.8	--	--
Garst 8566YG1	6	28308	16.8	23	168.4	--	--
Garst 8350YG1	6	28393	18.3	0	168.4	164.0	166.2
Garst 8450IT	6	29990	16.9	1	168.2	--	--
Golden Harvest H-9657	5	29730	19.5	9	167.7	--	--
Dyna-Gro 57F70	10, 12	27200	17.1	41	166.2	--	--
Stine 9804 YGCB	9, 10	29484	19.7	13	166.2	--	--
Midland MG 7A55	10	28505	19.6	0	166.0	--	--
NuTech NT-4516 YGCB	10	30002	17.3	5	165.9	--	--
Kruger 9212YGCB	3, 10	29861	16.6	14	165.8	--	--
Stine 9703 YGCB	9, 10	28468	18.0	7	163.6	--	--
Kruger 0516	3, 10	30403	19.3	8	163.2	--	--
Mycogen 2J787	6	29373	18.9	0	163.1	230.1*	196.6
MFA MORCORN 4474CB	5	30253	18.2	20	162.7	--	--
MFA MORCORN 3874CB	5	30418	16.5	5	162.5	--	--
Pioneer 33A84	3, 11	29500	17.8	16	160.6	198.4	179.5
MFA MORCORN 3974CB	5	27835	19.1	34	159.1	--	--
Golden Harvest H-9563Bt	5	30569	18.6	21	158.9	--	--
Willcross 3193CB	10	28678	18.5	11	152.4	--	--
TEST AVERAGE		29243	18.4	9	180.4	200.7	190.6
L.S.D. AT .10		1930	1.3	16	15.7	19.3	
C.V. %		4.7	4.9		6.1	7.0	

-- 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 15. Non-Irrigated Corn Test

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.6, OM=1.1%, P=106, K=444

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

Rainfall: Apr.=3.6, May=2.1, June=3.6, July=0.4, Aug.=8.8 Total=18.5 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 2004	2004 -----bu/acre-----	
Pioneer 33A84	3, 11	30545	18.9	1	111.1**	236.8	174.0
MFA MORCORN 3974CB	5	27441	21.0	22	105.0*	--	--
Willcross 3193CB	10	24977	21.8	17	104.9*	--	--
Wyffels W6613	10	28246	19.5	27	102.7*	245.4	174.1
Midland MG 7A53BT	10	28316	19.3	9	99.9*	247.0	173.5
Golden Harvest H-9166	5	29879	15.8	2	99.4*	252.0*	175.7
Dyna-Gro 57F70	10, 12	27718	19.1	8	96.9	--	--
NC+ 5381	1, 10	28094	15.1	3	96.7	--	--
Stine 111A YGCB	9, 10	28999	17.2	3	96.7	--	--
Wyffels W7260	10	27903	16.8	3	96.4	242.3	169.4
Vigoro V58Y41	6	23995	20.1	7	96.2	258.0*	177.1
NC+ 4971	1, 10	24771	14.2	1	95.7	--	--
Midland MG 7A58BT	10	26016	18.1	5	95.2	244.9	170.1
Croplan Genetics 691 BTLL	2, 5	29804	21.4	1	94.4	--	--
Bio Gene BT1152	1, 4, 10	25951	21.7	2	94.4	--	--
Pioneer 33K39	3, 11	25109	21.5	0	94.3	--	--
Willcross 3103CB	10	19010	19.2	3	93.7	239.1	166.4
Lewis 7044YGCB	10	28193	17.9	3	92.5	266.5*	179.5
Lewis 5343	10	28982	17.1	7	92.0	--	--
Mersch. M-314A-1	4, 10	25944	18.9	15	92.0	261.1*	176.6
Pioneer 33N09	3, 11	27197	16.3	1	91.9	--	--
LG 2540Bt	8, 9	27596	16.2	3	91.3	254.8*	173.1
Garst 8566YG1	6	30308	14.0	4	90.5	--	--
Kruger 9313YGCB	3, 10	30492	16.4	0	90.5	--	--
NuTech NT-4516 YGCB	10	27369	20.2	8	90.2	--	--
Mycogen 2H789	6	30192	19.1	0	89.9	--	--
Kruger 5517YGCB	3, 10	26354	19.6	2	89.8	258.8*	174.3
Kruger 0614A	3, 10	28163	14.3	2	89.6	--	--
NK Brand N65-C5	6	30378	17.5	0	89.5	--	--
Kruger 9212YGCB	3, 10	28460	17.0	1	89.3	--	--
Burrus 646R	4, 10	28002	17.2	4	89.1	--	--
Burrus 795B	4, 10, 12	27399	20.2	15	89.0	239.4	164.2
Willcross 3123CB	10	29790	16.9	2	88.9	--	--
Mersch. M-612D-1	9, 10	28121	14.4	4	88.9	--	--
ASGROW RX715RR2	10	30100	18.5	3	88.7	--	--
DEKALB DKC63-79 (YGCB)	10	28663	20.3	8	88.1	247.7	167.9
NK Brand N76-D3	6	29503	18.8	10	88.0	--	--
NK Brand N67-T4	6	26731	17.8	3	87.8	244.4	166.1
MFA MORCORN 3874CB	5	30387	18.2	5	87.5	--	--
NuTech NT-4616 YGCB	5	29360	18.7	11	87.2	255.1*	171.2
MFA MORCORN 4474CB	5	27537	22.0	36	87.1	--	--
Garst 8450IT	6	28905	21.9	1	86.9	--	--
Stine 9804 YGCB	9, 10	26645	20.9	3	86.9	--	--
DEKALB DKC60-16 (YGCB)	10	28136	15.9	1	86.2	265.3*	175.8
DEKALB DKC61-72 (RR2)	10	29398	16.3	0	86.2	--	--

TABLE 15. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 2004	bu/acre	
Croplan Genetics 693CL/Bt	2, 5	25945	15.3	2	85.7	231.6	158.7
NK Brand N70-T9	6	28559	19.8	2	85.5	263.2*	174.4
Kruger 5416YGCB	3, 10	29212	19.9	1	85.5	--	--
Kruger 0617A	3, 10	23741	17.3	3	85.0	--	--
Kruger 5514YGCB	3, 10	30055	19.1	3	84.7	--	--
Kruger 0616	3, 10	29246	15.9	6	84.5	--	--
Wyffels W8603	2, 9, 10	24638	19.9	1	84.4	247.6	166.0
Dyna-Gro 57F87	10	23040	20.3	4	84.1	265.2*	174.7
Mersch. M-512C-1	4, 10	26232	20.3	9	83.8	--	--
Ag Source 7883	5	28241	19.5	4	83.4	--	--
Golden Harvest H-9493Bt	5	26846	18.1	9	83.4	257.5*	170.5
Mycogen 2J787	6	29798	21.5	0	81.8	251.7*	166.8
Dyna-Gro 57F95	10, 12	28922	18.2	34	81.1	--	--
Kruger 9115 YGCB	3, 10	28912	21.1	3	81.0	--	--
Golden Harvest H-9563Bt	5	27530	21.0	10	79.8	--	--
Garst 8380IT	6	28496	20.1	2	79.6	--	--
Dyna-Gro 57F37	10, 12	28322	20.9	7	79.4	--	--
Pioneer 33D11	3, 10	23311	19.8	2	78.8	--	--
Bio Gene CB1143	1, 4, 10	27964	23.0	6	78.8	--	--
Pioneer 33Y45	3, 10	29862	20.8	0	78.6	--	--
Stine 9703 YGCB	9, 10	26261	15.0	5	78.1	--	--
Kruger 0516	3, 10	26118	19.6	6	77.8	--	--
Lewis 7206	10	26684	18.2	2	75.9	--	--
DEKALB DKC63-62 (RR2)	10	29252	21.6	2	75.0	--	--
Wyffels W8720	2, 9, 10	27611	17.2	1	73.9	--	--
Dyna-Gro 57F19	10, 12	28170	20.4	6	73.3	244.9	159.1
Burrus 735R	4, 10	25338	19.0	9	71.7	--	--
Kruger 5617YGCB	3, 10	28044	23.2	3	71.1	--	--
Kruger 5616YGCB	3, 10	27179	22.0	0	71.1	--	--
Mersch. M-613B	9, 10	26136	18.0	3	71.0	--	--
LG 2625Bt	8, 9	28381	18.4	10	70.5	--	--
Garst 8292YG1	6	28721	23.7	1	70.2	254.1*	162.2
Garst 8350YG1	6	30325	21.3	5	70.0	268.8*	169.4
LG 2640Bt	8, 9	23923	18.6	1	68.6	--	--
Golden Harvest H-9657	5	24805	23.6	15	66.3	--	--
Midland MG 7A55	10	28014	23.9	4	57.4	--	--
TEST AVERAGE		27641	19.0	6	85.9	249.2	167.6
L.S.D. AT .10		2395	1.6	8	12.0	20.0	
C.V. %		6.3	5.9		9.8	5.7	

-- 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 16. Non-Irrigated Corn Test

Central Region: Truxton, MO (Montgomery County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.2, OM=2.7%, P=168, K=428

European Corn Borer Rating: Damaged Plants= 4%, Tunnel Length/Plant= 0.06 in.

Rainfall: Apr.=3.2, May=1.7, June=3.0, July=1.1, Aug.=5.1 Total=14.1 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Kruger 0614A	3, 10	29351	11.8	0	89.7**	--	--
NC+ 4971	1, 10	29233	10.9	0	89.5*	--	--
Croplan Genetics 693CL/Bt	2, 5	28163	11.2	1	88.2*	182.9	135.6
Kruger 9313YGCB	3, 10	30122	13.2	0	85.3*	--	--
Pioneer 33D11	3, 10	29727	14.0	1	84.7*	--	--
Lewis 5343	10	30423	13.6	1	84.1*	--	--
Dyna-Gro 57F95	10, 12	29547	15.1	1	83.0*	--	--
DEKALB DKC60-16 (YGCB)	10	28665	12.7	1	82.8*	180.0	131.4
Pioneer 33K39	3, 11	28858	17.3	0	82.7*	--	--
Dyna-Gro 57F70	10, 12	28802	15.3	1	81.9*	--	--
Pioneer 33A84	3, 11	29930	16.3	2	81.7*	155.8	118.8
MFA MORCORN 3974CB	5	28890	17.2	0	81.0*	--	--
LG 2540Bt	8, 9	29141	12.6	1	80.4*	157.6	119.0
Willcross 3103CB	10	26310	15.2	3	80.4*	163.7	122.1
Stine 111A YGCB	9, 10	28047	15.6	0	79.9*	--	--
DEKALB DKC61-72 (RR2)	10	29447	12.3	1	79.3*	--	--
Midland MG 7A53BT	10	29962	14.6	0	78.0*	185.7	131.9
NK Brand N65-C5	6	29329	15.3	1	77.9*	--	--
Vigoro V58Y41	6	28984	16.9	12	77.9*	199.0	138.5
Kruger 5416YGCB	3, 10	29967	13.8	1	77.8	--	--
Mycogen 2H789	6	30741	13.7	2	77.6	--	--
Wyffels W6613	10	29933	15.5	0	77.2	179.8	128.5
Mersch. M-612D-1	9, 10	30213	11.0	0	77.1	--	--
Wyffels W7260	10	29664	12.3	24	75.9	169.0	122.5
Croplan Genetics 691 BTL	2, 5	28646	16.9	0	75.2	--	--
Kruger 0616	3, 10	29777	12.9	5	75.2	--	--
Willcross 3123CB	10	28970	13.3	0	75.0	--	--
Golden Harvest H-9166	5	30655	12.3	34	74.9	186.0	130.5
Kruger 5514YGCB	3, 10	29219	14.0	0	74.8	--	--
Stine 9804 YGCB	9, 10	29356	19.4	0	74.5	--	--
MFA MORCORN 3874CB	5	30527	13.3	1	74.3	--	--
DEKALB DKC63-79 (YGCB)	10	29675	17.9	3	74.1	163.7	118.9
Kruger 9212YGCB	3, 10	29966	14.4	1	73.8	--	--
Dyna-Gro 57F37	10, 12	30456	13.7	1	73.6	--	--
Kruger 0617A	3, 10	27328	13.6	5	73.4	--	--
ASGROW RX715RR2	10	29421	14.9	1	73.3	--	--
Bio Gene BT1152	1, 4, 10	29162	19.5	0	73.1	--	--
Burrus 646R	4, 10	28934	14.4	1	71.9	--	--
Mersch. M-512C-1	4, 10	27376	14.7	1	71.4	--	--
Garst 8566YG1	6	29390	10.9	10	70.8	--	--
NK Brand N76-D3	6	29315	15.1	0	70.7	--	--
LG 2625Bt	8, 9	29096	15.0	0	70.7	--	--
Pioneer 33N09	3, 11	28087	14.4	3	70.5	--	--
Burrus 795B	4, 10, 12	30642	15.8	5	70.1	191.8	131.0
NK Brand N67-T4	6	29022	12.7	0	69.9	165.6	117.8

TABLE 16. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
				-----bu/acre-----			
Golden Harvest H-9493Bt	5	28778	15.8	6	69.1	226.9*	148.0
NC+ 5381	1, 10	29824	13.7	54	68.1	--	--
Midland MG 7A58BT	10	28174	16.7	13	68.0	182.5	125.3
Wyffels W8720	2, 9, 10	29343	13.0	4	67.7	--	--
Ag Source 7883	5	29238	18.1	16	67.4	--	--
Mersch. M-613B	9, 10	28781	13.9	8	66.6	--	--
Kruger 5517YGCB	3, 10	30220	18.2	2	66.2	215.8*	141.0
Burrus 735R	4, 10	30249	13.3	3	65.9	--	--
Wyffels W8603	2, 9, 10	29685	17.0	15	65.8	197.1	131.5
Kruger 0516	3, 10	29373	14.2	7	65.7	--	--
Stine 9703 YGCB	9, 10	29135	13.0	6	65.4	--	--
Lewis 7206	10	28865	12.9	11	65.0	--	--
Mersch. M-314A-1	4, 10	28791	17.4	3	63.9	162.4	113.2
Garst 8292YG1	6	29490	21.1	0	63.8	165.9	114.9
NuTech NT-4616 YGCB	5	30344	17.6	4	63.6	202.6*	133.1
NK Brand N70-T9	6	29540	13.5	1	63.6	156.2	109.9
LG 2640Bt	8, 9	30091	17.1	0	63.4	--	--
DEKALB DKC63-62 (RR2)	10	30751	17.7	5	63.3	--	--
Garst 8380IT	6	28944	14.7	2	62.3	--	--
Golden Harvest H-9563Bt	5	30101	19.9	3	62.1	--	--
Dyna-Gro 57F87	10	28902	17.1	9	62.1	191.9	127.0
Lewis 7044YGCB	10	30752	16.5	2	61.8	198.5	130.2
Pioneer 33Y45	3, 10	28977	20.4	1	61.6	--	--
Kruger 9115 YGCB	3, 10	28312	16.5	0	61.6	--	--
Garst 8350YG1	6	28798	15.2	0	61.1	186.6	123.9
Dyna-Gro 57F19	10, 12	29192	16.8	0	60.0	168.8	114.4
Mycogen 2J787	6	29953	20.1	2	57.6	166.3	112.0
Garst 8450IT	6	29139	17.1	1	57.2	--	--
Kruger 5617YGCB	3, 10	30101	16.8	1	56.3	--	--
NuTech NT-4516 YGCB	10	29259	17.4	1	55.8	--	--
MFA MORCORN 4474CB	5	30384	20.5	2	52.9	--	--
Willcross 3193CB	10	29637	20.9	4	52.4	--	--
Kruger 5616YGCB	3, 10	29391	15.7	0	45.7	--	--
Golden Harvest H-9657	5	30088	20.6	4	41.5	--	--
Midland MG 7A55	10	30324	21.6	1	37.2	--	--
Bio Gene CB1143	1, 4, 10	28855	20.2	0	35.5	--	--
TEST AVERAGE		29386	15.5	4	69.8	177.2	123.5
L.S.D. AT .10		1276	2.1	8	11.8	34.9	
C.V. %		3.1	9.7		12.0	14.5	

-- 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=2.2%, P=88, K=368

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

Rainfall: Apr.=2.3, May=0.5, June=3.5, July=1.7, Aug.=2.7 Total=10.7 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
NuTech NT-4516 YGCB	10	27831	19.1	0	175.2**	--	--
Burrus 795B	4, 10, 12	29350	19.9	1	174.6*	283.3*	229.0
Golden Harvest H-9563Bt	5	29003	18.6	0	172.2*	--	--
Lewis 7044YGCB	10	29672	20.2	2	171.1*	281.5*	226.3
Golden Harvest H-9493Bt	5	25719	22.0	1	169.2*	277.2*	223.2
Lewis 5343	10	29673	19.2	0	168.7*	--	--
Mersch. M-314A-1	4, 10	28361	19.5	1	168.3*	278.3*	223.3
DEKALB DKC63-79 (YGCB)	10	31570	19.9	0	167.6*	267.4	217.5
Garst 8350YG1	6	29189	18.8	0	166.0*	257.9	212.0
NK Brand N76-D3	6	28975	19.4	0	165.4*	--	--
Kruger 9212YGCB	3, 10	29282	15.2	0	165.0*	--	--
Pioneer 33D11	3, 10	28212	19.0	0	164.6*	--	--
DEKALB DKC61-72 (RR2)	10	29191	16.0	2	164.0*	--	--
LG 2540Bt	8, 9	28263	14.7	0	163.8*	249.7	206.8
Pioneer 33K39	3, 11	27879	20.3	0	163.7*	--	--
MFA MORCORN 4474CB	5	29141	20.0	0	163.5*	--	--
ASGROW RX715RR2	10	29221	17.5	0	163.5*	--	--
Pioneer 33Y45	3, 10	29278	21.4	0	163.3*	--	--
Pioneer 33A84	3, 11	29798	18.0	1	162.8*	270.7*	216.8
Dyna-Gro 57F37	10, 12	29172	18.3	0	161.6*	--	--
Midland MG 7A53BT	10	29172	15.6	0	161.6*	237.4	199.5
Dyna-Gro 57F87	10	28492	19.5	2	159.5	262.2	210.9
Ag Source 7883	5	29809	20.0	1	159.4	--	--
Dyna-Gro 57F70	10, 12	27288	16.7	1	159.2	--	--
Midland MG 7A58BT	10	28153	20.8	7	159.0	261.0	210.0
Dyna-Gro 57F19	10, 12	27722	15.4	0	158.8	246.1	202.5
Willcross 3103CB	10	27098	18.2	0	158.7	233.4	196.1
Croplan Genetics 691 BTLL	2, 5	29164	15.9	0	158.6	--	--
Pioneer 33N09	3, 11	29297	18.5	0	158.5	--	--
Willcross 3193CB	10	28266	19.7	0	158.3	--	--
Dyna-Gro 57F95	10, 12	28793	18.3	0	158.0	--	--
Garst 8380IT	6	29099	17.6	0	157.7	--	--
LG 2625Bt	8, 9	28229	17.0	2	157.2	--	--
Bio Gene BT1152	1, 4, 10	27357	21.9	0	157.0	--	--
NK Brand N70-T9	6	30241	16.7	0	156.9	272.5*	214.7
Croplan Genetics 693CL/Bt	2, 5	29279	17.7	0	156.6	249.2	202.9
NK Brand N65-C5	6	30570	15.5	2	156.4	--	--
NC+ 4971	1, 10	26462	13.7	0	156.0	--	--
Kruger 0616	3, 10	28158	16.3	0	155.9	--	--
NuTech NT-4616 YGCB	5	28131	20.3	0	154.6	288.6*	221.6
DEKALB DKC60-16 (YGCB)	10	28884	14.9	0	154.4	261.1	207.8
Mersch. M-612D-1	9, 10	27481	14.3	0	154.2	--	--
DEKALB DKC63-62 (RR2)	10	28504	17.7	0	153.1	--	--
Wyffels W8603	2, 9, 10	29347	18.7	1	152.9	279.1*	216.0
Willcross 3123CB	10	28760	16.3	0	152.3	--	--

TABLE 17. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Kruger 0614A	3, 10	29071	14.1	0	151.9	--	--
Stine 111A YGCB	9, 10	27235	17.9	0	151.8	--	--
Kruger 5517YGCB	3, 10	28264	19.4	1	151.7	283.9*	217.8
Garst 8566YG1	6	29069	17.0	0	151.6	--	--
Mycogen 2H789	6	29947	18.6	0	151.6	--	--
Kruger 5416YGCB	3, 10	29069	17.1	0	151.5	--	--
Garst 8292YG1	6	27915	22.7	1	151.4	292.4**	221.9
Golden Harvest H-9166	5	30429	15.3	3	151.2	277.5*	214.4
Wyffels W8720	2, 9, 10	29740	19.6	0	151.1	--	--
Lewis 7206	10	29216	19.3	0	151.0	--	--
MFA MORCORN 3974CB	5	26747	18.3	0	150.7	--	--
NK Brand N67-T4	6	26979	15.5	1	150.5	235.0	192.8
Kruger 9115 YGCB	3, 10	28609	15.8	0	150.5	--	--
Bio Gene CB1143	1, 4, 10	29219	20.6	1	150.1	--	--
Garst 8450IT	6	29747	18.3	0	149.7	--	--
Stine 9804 YGCB	9, 10	27260	18.5	0	149.7	--	--
Kruger 9313YGCB	3, 10	30073	17.3	0	149.7	--	--
Mycogen 2J787	6	29837	20.3	0	149.3	271.7*	210.5
Wyffels W6613	10	27945	17.8	5	149.0	246.0	197.5
Wyffels W7260	10	28158	16.4	0	148.3	259.8	204.1
Mersch. M-512C-1	4, 10	28400	16.5	0	148.1	--	--
Golden Harvest H-9657	5	29959	21.7	1	147.8	--	--
Kruger 5514YGCB	3, 10	28865	15.2	0	147.8	--	--
MFA MORCORN 3874CB	5	29911	18.7	2	147.5	--	--
NC+ 5381	1, 10	31043	17.2	1	146.0	--	--
Burrus 646R	4, 10	28502	17.0	1	145.6	--	--
Vigoro V58Y41	6	29040	20.1	0	144.7	282.4*	213.6
Kruger 0516	3, 10	29767	19.8	0	143.3	--	--
Stine 9703 YGCB	9, 10	27178	16.8	0	142.2	--	--
LG 2640Bt	8, 9	28806	18.6	0	141.8	--	--
Mersch. M-613B	9, 10	29073	18.7	0	138.4	--	--
Kruger 0617A	3, 10	28815	15.2	0	137.7	--	--
Burrus 735R	4, 10	29921	17.1	0	134.3	--	--
Kruger 5617YGCB	3, 10	28937	17.9	0	134.2	--	--
Midland MG 7A55	10	29401	22.4	0	130.5	--	--
Kruger 5616YGCB	3, 10	28530	19.0	0	126.3	--	--
TEST AVERAGE		28805	18.1	1	154.7	257.3	206.0
L.S.D. AT .10		1852	2.1	2	15.1	24.5	
C.V. %		4.6	8.0		6.8	6.7	

-- 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 18. Performance Summary for Non-Irrigated Hybrids evaluated at Five Central Missouri locations (Henrietta, Marshall, Columbia, Truxton, Annada) during 2005.

<u>Henrietta</u> Planted: 04-20 Harvested: 09-22 Growing Season Rainfall: 28.9 in.	<u>Marshall</u> Planted: 05-10 Harvested: 10-03 Growing Season Rainfall: 17.7 in.	<u>Columbia</u> Planted: 04-01 Harvested: 08-30,31 Growing Season Rainfall: 18.5 in.
<u>Truxton</u> Planted: 04-25 Harvested: 09-60 Growing Season Rainfall: 14.1 in.	<u>Annada</u> Planted: 04-08 Harvested: 09-13 Growing Season Rainfall: 10.7 in.	

Brand-Hybrid	Yield (Bu/Acre)					Mean
	Henrietta	Marshall	Columbia	Truxton	Annada	
Non-Irrigated						
Lewis 5343	235.2*	197.1*	92.0	84.1*	168.7*	155.4**
NC+ 4971	225.8*	192.2*	95.7	89.5*	156.0	151.8*
Kruger 9313YGCB	233.5*	192.9*	90.5	85.3*	149.7	150.4*
Pioneer 33K39	231.5*	179.4	94.3	82.7*	163.7*	150.3*
LG 2540Bt	223.1*	191.6*	91.3	80.4*	163.8*	150.0*
DEKALB DKC61-72 (RR2)	223.9*	192.1*	86.2	79.3*	164.0*	149.1*
Kruger 5416YGCB	238.7*	186.9	85.5	77.8	151.5	148.1*
Dyna-Gro 57F37	220.3*	203.1**	79.4	73.6	161.6*	147.6*
DEKALB DKC63-79 (YGCB)	212.8	194.0*	88.1	74.1	167.6*	147.3*
Mersch. M-612D-1	213.1	202.6*	88.9	77.1	154.2	147.2*
Croplan Genetics 693CL/Bt	228.0*	176.5	85.7	88.2*	156.6	147.0*
Mycogen 2H789	224.8*	190.7*	89.9	77.6	151.6	146.9*
DEKALB DKC60-16 (YGCB)	221.6*	188.9*	86.2	82.8*	154.4	146.8*
Wyffels W7260	219.9*	193.0*	96.4	75.9	148.3	146.7*
Burrus 795B	204.5	194.2*	89.0	70.1	174.6*	146.5
Willcross 3123CB	239.9*	172.1	88.9	75.0	152.3	145.6
Mersch. M-512C-1	230.2*	193.2*	83.8	71.4	148.1	145.3
Stine 111A YGCB	211.8	184.9	96.7	79.9*	151.8	145.0
Croplan Genetics 691 BTLL	206.4	190.4*	94.4	75.2	158.6	145.0
Golden Harvest H-9166	221.2*	177.8	99.4*	74.9	151.2	144.9
Pioneer 33A84	207.5	160.6	111.1**	81.7*	162.8*	144.7
Garst 8292YG1	247.2**	190.9*	70.2	63.8	151.4	144.7
NK Brand N65-C5	212.0	186.6	89.5	77.9*	156.4	144.5
Garst 8566YG1	240.9*	168.4	90.5	70.8	151.6	144.4
Midland MG 7A53BT	189.9	192.6*	99.9*	78.0*	161.6*	144.4
Kruger 0614A	207.1	183.6	89.6	89.7**	151.9	144.4
NK Brand N76-D3	213.3	182.3	88.0	70.7	165.4*	143.9
Pioneer 33D11	201.8	189.4*	78.8	84.7*	164.6*	143.9
Pioneer 33N09	207.8	186.6	91.9	70.5	158.5	143.1
Lewis 7044YGCB	209.2	179.8	92.5	61.8	171.1*	142.9
Bio Gene BT1152	196.4	189.9*	94.4	73.1	157.0	142.2
NC+ 5381	217.5*	181.7	96.7	68.1	146.0	142.0
Mersch. M-314A-1	195.4	186.4	92.0	63.9	168.3*	141.2
Kruger 5514YGCB	195.4	201.5*	84.7	74.8	147.8	140.8
Burrus 646R	223.3*	173.2	89.1	71.9	145.6	140.6
Willcross 3103CB	177.2	191.6*	93.7	80.4*	158.7	140.3
Dyna-Gro 57F70	196.3	166.2	96.9	81.9*	159.2	140.1
Pioneer 33Y45	208.0	185.2	78.6	61.6	163.3*	139.3
DEKALB DKC63-62 (RR2)	227.6*	175.5	75.0	63.3	153.1	138.9
Midland MG 7A58BT	184.0	183.9	95.2	68.0	159.0	138.0
Ag Source 7883	201.7	177.8	83.4	67.4	159.4	137.9
Kruger 0616	178.2	194.6*	84.5	75.2	155.9	137.7
Wyffels W6613	186.0	172.0	102.7*	77.2	149.0	137.4
LG 2625Bt	190.7	197.8*	70.5	70.7	157.2	137.4
NK Brand N67-T4	205.7	172.2	87.8	69.9	150.5	137.2

Table 18. Continued.

Brand-Hybrid	Yield (Bu/Acre)					Mean
	Henrietta	Marshall	Columbia	Truxton	Annada	
Non-Irrigated						
Wyffels W8720	209.6	180.8	73.9	67.7	151.1	136.6
Vigoro V58Y41	172.2	190.8*	96.2	77.9*	144.7	136.4
Lewis 7206	206.6	182.6	75.9	65.0	151.0	136.2
Kruger 9212YGCB	186.9	165.8	89.3	73.8	165.0*	136.2
Dyna-Gro 57F95	179.5	177.8	81.1	83.0*	158.0	135.9
NuTech NT-4616 YGCB	185.6	187.5*	87.2	63.6	154.6	135.7
Garst 8380IT	195.2	180.6	79.6	62.3	157.7	135.1
Golden Harvest H-9563Bt	201.2	158.9	79.8	62.1	172.2*	134.8
Stine 9804 YGCB	196.9	166.2	86.9	74.5	149.7	134.8
Kruger 9115 YGCB	195.0	184.9	81.0	61.6	150.5	134.6
Dyna-Gro 57F19	204.6	174.0	73.3	60.0	158.8	134.1
Stine 9703 YGCB	221.3*	163.6	78.1	65.4	142.2	134.1
MFA MORCORN 3974CB	174.2	159.1	105.0*	81.0*	150.7	134.0
Kruger 5517YGCB	178.9	179.6	89.8	66.2	151.7	133.2
Mersch. M-613B	193.7	196.4*	71.0	66.6	138.4	133.2
LG 2640Bt	210.9	173.7	68.6	63.4	141.8	131.7
Wyffels W8603	165.3	189.7*	84.4	65.8	152.9	131.6
Golden Harvest H-9493Bt	151.7	183.2	83.4	69.1	169.2*	131.3
MFA MORCORN 4474CB	190.0	162.7	87.1	52.9	163.5*	131.2
MFA MORCORN 3874CB	181.9	162.5	87.5	74.3	147.5	130.7
NK Brand N70-T9	175.6	172.0	85.5	63.6	156.9	130.7
Kruger 0516	201.5	163.2	77.8	65.7	143.3	130.3
Kruger 0617A	177.9	176.7	85.0	73.4	137.7	130.1
NuTech NT-4516 YGCB	162.6	165.9	90.2	55.8	175.2**	129.9
Garst 8350YG1	182.4	168.4	70.0	61.1	166.0*	129.6
Dyna-Gro 57F87	152.9	187.6*	84.1	62.1	159.5	129.2
Kruger 5617YGCB	197.0	187.1	71.1	56.3	134.2	129.1
ASGROW RX715RR2	143.1	174.8	88.7	73.3	163.5*	128.7
Willcross 3193CB	171.9	152.4	104.9*	52.4	158.3	128.0
Garst 8450IT	174.9	168.2	86.9	57.2	149.7	127.4
Bio Gene CB1143	198.8	172.2	78.8	35.5	150.1	127.1
Mycogen 2J787	182.8	163.1	81.8	57.6	149.3	126.9
Kruger 5616YGCB	211.4	172.4	71.1	45.7	126.3	125.4
Burrus 735R	151.2	170.8	71.7	65.9	134.3	118.8
Golden Harvest H-9657	140.6	167.7	66.3	41.5	147.8	112.8
Midland MG 7A55	123.7	166.0	57.4	37.2	130.5	103.0
TEST AVERAGE	199.2	180.4	85.9	69.8	154.7	138.0
L.S.D. AT .10	33.5	15.7	12.0	11.8	15.1	8.6
C.V. %	12.1	6.1	9.8	12.0	6.8	9.4

** 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=6.3, OM=1.4%, P=66, K=454

European Corn Borer Rating: Damaged Plants= 4%, Tunnel Length/Plant= 0.01 in.

Rainfall: Apr.=3.6, May=2.1, June=3.6, July=0.4, Aug.=8.8 Total=18.5 in.

Irrigation: 14.2 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 2004	bu/acre	
Croplan Genetics 691 BTLL	2, 5	33401	21.4	0	280.8**	--	--
Pioneer 31N28	10	35047	22.7	0	275.3*	227.0*	251.2
Midland MG 7A58BT	10	32711	22.1	2	273.1*	240.2*	256.7
Crow's 6620B	5, 7	32619	22.2	3	272.0*	--	--
NK Brand N76-D3	6	33005	22.7	1	270.2*	--	--
Golden Harvest H-9493Bt	5	33131	22.5	9	269.7*	224.9*	247.3
Crow's 4963B	5, 7	33635	21.5	0	269.4*	--	--
Garst 8380IT	6	33395	21.6	1	268.0*	--	--
Garst 8292YG1	6	29949	22.7	0	266.2*	214.7	240.5
Golden Harvest H-9166	5	34616	20.8	5	266.0*	209.8	237.9
DEKALB DKC66-21 (YGCB)	10	29599	22.2	0	264.6*	--	--
Rainbow 3105YGCB	9	34662	21.9	1	263.3*	231.8*	247.6
DEKALB DKC61-72 (RR2)	10	33428	20.5	0	261.9*	--	--
Pioneer 33Y45	3, 10	33796	22.6	3	261.3*	--	--
Font. High Cycle 7931YGCB	4, 10	25886	22.1	0	260.6*	--	--
Crow's X51131	5, 7	35185	21.2	0	259.5*	--	--
Font. High Cycle 7951YGCB	4, 10	32626	21.7	0	258.8*	--	--
Midland MG 7A53BT	10	35098	20.3	1	258.2*	196.7	227.5
Vigoro V58Y41	6	29908	22.5	7	256.5*	--	--
DEKALB DKC60-16 (YGCB)	10	33000	20.4	2	254.9*	222.6	238.8
Garst 8566YG1	6	33329	20.7	2	253.2*	--	--
DEKALB DKC63-62 (RR2)	10	34201	21.3	1	252.5	--	--
DEKALB DKC63-79 (YGCB)	10	33744	21.8	1	251.9	212.4	232.2
MFA MORCORN 3874CB	5	35160	20.5	4	251.3	--	--
Mycogen 2J787	6	37019	21.7	0	249.9	217.9	233.9
Pioneer 34A15	3, 11	35286	20.3	1	249.4	--	--
Golden Harvest H-9006Bt	5	32812	20.2	1	249.1	--	--
Golden Harvest H-9461	5	30336	22.4	12	248.1	217.4	232.8
Mycogen 2G830	6	32313	22.9	3	245.5	--	--
ASGROW RX715RR2	10	33722	20.3	0	244.2	--	--
Rainbow 3148YGCB	9	29804	22.2	0	239.9	180.4	210.2
Rainbow 3120YGCB	9	30637	20.4	0	238.8	210.3	224.6
Pioneer 33R78	3, 11	30981	21.2	0	236.1	--	--
Golden Harvest H-8920	5	32310	19.8	2	234.5	--	--
Midland MG 7A55	10	33278	23.0	2	230.4	--	--
MFA MORCORN 3974CB	5	32322	21.0	0	229.9	--	--
Croplan Genetics 693CL/Bt	2, 5	32781	19.7	0	229.4	216.2	222.8
Rainbow 3158YGCB	9	26739	23.0	0	227.1	231.3*	229.2
Vigoro V55CY2	2, 5, 7, 9	30585	21.5	2	227.0	--	--
TEST AVERAGE		32617	21.5	2	253.8	217.2	235.5
L.S.D. AT .10		2665	1.1	5	28.1	25.2	
C.V. %		5.6	3.6		8.0	8.4	

-- 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 20. Irrigated Corn Test

Central Region: Laddonia, MO (Audrain County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.9, OM=2.3%, P=58, K=352

European Corn Borer Rating: Damaged Plants= 15%, Tunnel Length/Plant= 0.25 in.

Rainfall: Apr.=2.7, May=1.1, June=2.5, July=0.7, Aug.=6.0 Total=13.0 in.

Irrigation: 14.0 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 -----bu/acre-----	2004	
Midland MG 7A58BT	10	35432	22.0	0	245.6**	261.3**	253.5
NK Brand N76-D3	6	36103	22.3	2	245.1*	--	--
Croplan Genetics 691 BTLL	2, 5	34585	21.0	1	238.7*	--	--
Midland MG 7A53BT	10	34683	22.0	13	237.3*	215.3	226.3
ASGROW RX715RR2	10	35998	20.8	0	236.8*	--	--
DEKALB DKC66-21 (YGCB)	10	35887	20.9	0	236.4*	--	--
DEKALB DKC63-79 (YGCB)	10	35931	20.9	1	231.8*	214.3	223.1
DEKALB DKC60-16 (YGCB)	10	35725	20.5	0	230.1*	245.3*	237.7
Golden Harvest H-9493Bt	5	35172	22.5	0	229.7*	254.0*	241.9
DEKALB DKC61-72 (RR2)	10	35548	20.0	0	229.5*	--	--
Crow's 6620B	5, 7	34419	22.0	0	227.3	--	--
Pioneer 33Y45	3, 10	34457	22.0	1	227.2	--	--
Garst 8380IT	6	35423	21.5	1	227.1	--	--
Rainbow 3105YGCB	9	36007	22.5	3	225.8	256.1*	241.0
MFA MORCORN 3874CB	5	35272	20.3	1	223.9	--	--
Font. High Cycle 7951YGCB	4, 10	35698	21.5	0	223.2	--	--
Crow's X51131	5, 7	36749	20.6	0	222.8	--	--
Garst 8292YG1	6	35389	23.4	1	222.5	238.6	230.6
MFA MORCORN 3974CB	5	34713	21.6	1	220.6	--	--
Vigoro V58Y41	6	34398	22.5	0	220.2	--	--
Golden Harvest H-9006Bt	5	35497	20.0	0	220.0	--	--
DEKALB DKC63-62 (RR2)	10	36553	22.5	0	218.2	--	--
Pioneer 34A15	3, 11	35367	20.4	0	217.8	--	--
Golden Harvest H-9166	5	36133	21.3	0	217.1	223.0	220.1
Golden Harvest H-8920	5	34653	19.8	0	216.8	--	--
Golden Harvest H-9461	5	34773	21.9	4	216.3	211.9	214.1
Croplan Genetics 693CL/Bt	2, 5	36105	19.0	0	214.1	223.1	218.6
Rainbow 3120YGCB	9	35560	20.4	1	214.0	226.4	220.2
Rainbow 3158YGCB	9	33211	22.4	1	212.6	253.2*	232.9
Midland MG 7A55	10	35966	21.7	0	212.3	--	--
Pioneer 33R78	3, 11	34163	21.0	0	210.7	--	--
Crow's 4963B	5, 7	35733	21.1	0	210.7	--	--
Font. High Cycle 7931YGCB	4, 10	30260	21.7	0	209.6	--	--
Pioneer 31N28	10	35764	21.9	0	207.6	209.2	208.4
Garst 8566YG1	6	35095	20.1	0	206.1	--	--
Rainbow 3148YGCB	9	36168	22.9	1	203.5	213.7	208.6
Vigoro V55CY2	2, 5, 7, 9	36241	22.1	1	200.6	--	--
Mycogen 2J787	6	35180	21.3	0	193.8	227.6	210.7
Mycogen 2G830	6	32216	21.9	0	177.8	--	--
TEST AVERAGE		35185	21.4	1	220.0	232.2	226.1
L.S.D. AT .10		1731	0.9	NS	18.2	21.2	
C.V. %		3.5	3.2		5.6	6.5	

-- 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 21. Performance Summary for Irrigated Hybrids evaluated at Two Central Missouri locations (Columbia, Laddonia) during 2005.

Columbia
Planted: 03-31
Harvested: 09-09
Growing Season Rainfall: 18.5 in.
Irrigation: 14.2 in.

Laddonia
Planted: 03-30
Harvested: 08-30
Growing Season Rainfall: 13.0 in.
Irrigation: 14.0 in.

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Columbia	Laddonia	
Irrigated			
Croplan Genetics 691 BTLL	280.8**	238.7*	259.7**
Midland MG 7A58BT	273.1*	245.6**	259.4*
NK Brand N76-D3	270.2*	245.1*	257.6*
DEKALB DKC66-21 (YGCB)	264.6*	236.4*	250.5*
Golden Harvest H-9493Bt	269.7*	229.7*	249.7*
Crow's 6620B	272.0*	227.3	249.6*
Midland MG 7A53BT	258.2*	237.3*	247.8*
Garst 8380IT	268.0*	227.1	247.6*
DEKALB DKC61-72 (RR2)	261.9*	229.5*	245.7*
Rainbow 3105YGCB	263.3*	225.8	244.5*
Garst 8292YG1	266.2*	222.5	244.4*
Pioneer 33Y45	261.3*	227.2	244.2*
DEKALB DKC60-16 (YGCB)	254.9*	230.1*	242.5
DEKALB DKC63-79 (YGCB)	251.9	231.8*	241.8
Golden Harvest H-9166	266.0*	217.1	241.6
Pioneer 31N28	275.3*	207.6	241.4
Crow's X51131	259.5*	222.8	241.2
Font. High Cycle 7951YGCB	258.8*	223.2	241.0
ASGROW RX715RR2	244.2	236.8*	240.5
Crow's 4963B	269.4*	210.7	240.0
Vigoro V58Y41	256.5*	220.2	238.3
MFA MORCORN 3874CB	251.3	223.9	237.6
DEKALB DKC63-62 (RR2)	252.5	218.2	235.3
Font. High Cycle 7931YGCB	260.6*	209.6	235.1
Golden Harvest H-9006Bt	249.1	220.0	234.6
Pioneer 34A15	249.4	217.8	233.6
Golden Harvest H-9461	248.1	216.3	232.2
Garst 8566YG1	253.2*	206.1	229.6
Rainbow 3120YGCB	238.8	214.0	226.4
Golden Harvest H-8920	234.5	216.8	225.6
MFA MORCORN 3974CB	229.9	220.6	225.2
Pioneer 33R78	236.1	210.7	223.4
Mycogen 2J787	249.9	193.8	221.8
Croplan Genetics 693CL/Bt	229.4	214.1	221.8
Rainbow 3148YGCB	239.9	203.5	221.7
Midland MG 7A55	230.4	212.3	221.3
Rainbow 3158YGCB	227.1	212.6	219.8
Vigoro V55CY2	227.0	200.6	213.8
Mycogen 2G830	245.5	177.8	211.6
TEST AVERAGE	253.8	220.0	236.9
L.S.D. AT .10	28.1	18.2	16.5
C.V. %	8.0	5.6	6.8

** 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.

Southwest Region Crop Management Summary

There are two locations in the southwestern region of Missouri for irrigated 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 April 5 for Harrisonville and April 4 for Lamar with soil conditions being very good at both locations at planting. The crop at Harrisonville developed normally and produced good yields but the irrigation system at Lamar broke down mid-season limiting crop development and yield.

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

Average temperature = 71.5 degrees, 1.9 degrees above normal

Average precipitation = 20.1", 2.5" below normal

Growing degree days = 3318 days, 120 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>Irrigated Corn Tests</i>									
Harrisonville	04-05	09-06	220	80	120	Conv.	Dual II Magnum, Atrazine, Callisto	None	Force 3G
Lamar	04-04	09-22	221	105	28	Conv.	Dual II Magnum, Princep, Atrazine	Callisto	Force 3G

TABLE 23. Irrigated Corn Test

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=6.2, OM=1.7%, P=84, K=336

European Corn Borer Rating: Damaged Plants= 4%, Tunnel Length/Plant= 0.10 in.

Rainfall: Apr.=2.0, May=2.8, June=8.5, July=2.5, Aug.=7.4 Total=23.2 in.

Irrigation: 3 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 bu/acre	2004 bu/acre	
Midland MG 7A58BT	10	34512	22.1	6	241.1**	200.8	221.0
DEKALB DKC60-16 (YGCB)	10	36025	19.6	0	233.0*	247.2*	240.1
Kruger 5517YGCB	3, 10	34314	22.1	5	225.9*	--	--
Croplan Genetics 691 BTLL	2, 5	34936	20.3	1	223.4*	--	--
Stine 9724	9, 10	34901	21.0	1	223.3*	--	--
U.S.A Hybrids 1221	9	35861	19.0	4	219.7*	206.1	212.9
Kruger 9115 YGCB	3, 10	36382	19.7	1	219.5*	--	--
Garst 8292YG1	6	35794	21.8	0	219.3*	245.7*	232.5
Rainbow 3120YGCB	9	36386	19.2	2	217.7	212.9	215.3
ASGROW RX715RR2	10	35046	19.9	4	217.5	--	--
Mycogen 2J787	6	35907	20.4	0	217.0	--	--
Pioneer 33D11	3, 10	34672	19.3	3	216.8	--	--
Midland MG 7A53BT	10	35598	18.2	2	216.4	211.3	213.9
Kruger 5416YGCB	3, 10	34892	21.0	3	215.9	--	--
Mycogen 2G770	6	35742	19.0	3	212.2	257.9**	235.1
Stauffer 2699CB	5	34874	20.0	1	212.0	--	--
Rainbow 3158YGCB	9	34720	21.8	0	210.7	214.7	212.7
DEKALB DKC61-72 (RR2)	10	36219	19.9	7	208.5	--	--
Stine 114A YGCB	9, 10	32890	21.8	0	207.6	--	--
DEKALB DKC63-62 (RR2)	10	34811	18.7	8	207.5	--	--
Stauffer 2721CB	5	35033	20.3	1	207.3	--	--
Garst 8275YG1	6	31163	21.0	0	206.5	--	--
MFA MORCORN 3874CB	5	34035	19.4	1	204.9	--	--
U.S.A. Hybrids 1120bt cb	9	35674	19.1	0	201.2	225.4	213.3
Kruger 9212YGCB	3, 10	32906	19.6	2	200.6	--	--
Pioneer 33R78	3, 11	35607	20.6	0	200.1	--	--
NC+ 5423B	1, 10	33551	20.2	0	199.2	--	--
Pioneer 33Y45	3, 10	35762	20.7	3	198.9	--	--
Kruger 5514YGCB	3, 10	34022	20.2	0	198.0	--	--
DEKALB DKC63-79 (YGCB)	10	34685	19.4	6	197.5	229.4	213.5
Rainbow 3135YGCB	9	35769	19.9	1	197.2	208.7	203.0
Rainbow 3105YGCB	9	35021	20.1	0	193.7	220.0	206.9
Croplan Genetics 693CL/Bt	2, 5	34774	18.5	6	192.7	249.0*	220.9
Midland MG 7A55	10	34780	21.8	2	192.0	--	--
MFA MORCORN 3974CB	5	34333	19.6	1	189.6	--	--
Rainbow 3148YGCB	9	35293	21.4	1	188.0	211.1	199.6
TEST AVERAGE		34914	20.2	2	209.2	218.5	213.9
L.S.D. AT .10		1774	1.1	NS	22.2	14.3	
C.V. %		3.5	3.9		7.4	4.6	

-- 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 24. **Irrigated Corn Test**

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parsons Silt Loam Soil Test: pH=7.2, OM=1.6%, P=104, K=356

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

Rainfall: Apr.=2.5, May=3.0, June=4.2, July=1.1, Aug.=4.8 Total=15.6 in.

Irrigation: 6 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2003	
Croplan Genetics 691 BTL	2, 5	34717	11.9	16	172.3**	--	--
Garst 8292YG1	6	33995	13.1	10	165.8*	--	--
U.S.A. Hybrids 1120bt cb	9	34963	12.6	40	161.4*	--	--
DEKALB DKC60-16 (YGCB)	10	35209	12.2	18	160.5*	--	--
Rainbow 3105YGCB	9	34437	13.2	45	157.8*	--	--
Midland MG 7A53BT	10	34061	12.8	55	154.0*	--	--
Pioneer 33D11	3, 10	34372	12.4	28	153.6*	--	--
Kruger 5517YGCB	3, 10	33255	11.8	37	152.5*	--	--
Midland MG 7A58BT	10	34596	12.3	55	152.5*	--	--
MFA MORCORN 3874CB	5	34799	12.4	62	152.3*	--	--
Stine 9724	9, 10	33742	12.7	40	152.1*	--	--
Pioneer 33Y45	3, 10	32948	12.7	10	151.2	--	--
Stauffer 2699CB	5	33257	12.3	50	149.7	--	--
Kruger 9115 YGCB	3, 10	36029	12.0	32	147.4	--	--
DEKALB DKC61-72 (RR2)	10	32973	12.4	51	146.9	--	--
Mycogen 2J787	6	35170	12.5	32	145.9	--	--
Kruger 9212YGCB	3, 10	35659	12.2	43	145.3	--	--
DEKALB DKC63-79 (YGCB)	10	34439	12.5	55	145.0	181.2*	163.1
Pioneer 33R78	3, 11	32452	12.4	25	143.4	--	--
U.S.A Hybrids 1221	9	33775	12.1	47	142.6	191.8**	167.2
NC+ 5423B	1, 10	32275	11.8	21	141.8	173.0*	157.4
DEKALB DKC63-62 (RR2)	10	34572	12.1	22	141.8	--	--
Stauffer 2721CB	5	34636	12.5	48	141.4	--	--
Garst 8275YG1	6	30082	12.9	54	141.2	--	--
Kruger 5514YGCB	3, 10	35537	12.4	54	140.8	--	--
Rainbow 3135YGCB	9	34521	12.1	28	140.4	164.8	152.6
ASGROW RX715RR2	10	35242	12.6	33	140.3	--	--
Rainbow 3120YGCB	9	34044	11.7	53	140.1	169.3	154.7
Mycogen 2G770	6	32743	13.1	37	140.0	--	--
Stine 114A YGCB	9, 10	32962	11.1	28	136.7	--	--
Croplan Genetics 693CL/Bt	2, 5	33062	11.2	29	136.5	--	--
MFA MORCORN 3974CB	5	35516	12.8	39	136.3	--	--
Rainbow 3158YGCB	9	34411	12.4	56	135.8	191.2*	163.5
Kruger 5416YGCB	3, 10	33872	13.0	59	130.5	--	--
Rainbow 3148YGCB	9	32264	12.2	32	125.2	160.3	142.8
Midland MG 7A55	10	33987	12.7	33	122.8	--	--
TEST AVERAGE		34016	12.4	38	145.7	166.0	155.9
L.S.D. AT .10		2988	0.9	20	20.6	21.1	
C.V. %		6.1	5.2		9.6	8.6	

-- 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 25. Performance Summary for Irrigated Hybrids evaluated at Two Southwest Missouri locations (Harrisonville, Lamar) during 2005.

Harrisonville
 Planted: 04-05
 Harvested: 09-06
 Growing Season Rainfall: 23.2 in.
 Irrigation: 3 in.

Lamar
 Planted: 04-04
 Harvested: 09-22
 Growing Season Rainfall: 15.6 in.
 Irrigation: 6 in.

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Harrisonville	Lamar	
Irrigated			
Croplan Genetics 691 BTLL	223.4*	172.3**	197.8**
Midland MG 7A58BT	241.1**	152.5*	196.8*
DEKALB DKC60-16 (YGCB)	233.0*	160.5*	196.8*
Garst 8292YG1	219.3*	165.8*	192.6*
Kruger 5517YGCB	225.9*	152.5*	189.2*
Stine 9724	223.3*	152.1*	187.7*
Pioneer 33D11	216.8	153.6*	185.2*
Midland MG 7A53BT	216.4	154.0*	185.2*
Kruger 9115 YGCB	219.5*	147.4	183.4*
Mycogen 2J787	217.0	145.9	181.4
U.S.A. Hybrids 1120bt cb	201.2	161.4*	181.3
U.S.A Hybrids 1221	219.7*	142.6	181.2
Stauffer 2699CB	212.0	149.7	180.8
Rainbow 3120YGCB	217.7	140.1	178.9
ASGROW RX715RR2	217.5	140.3	178.9
MFA MORCORN 3874CB	204.9	152.3*	178.6
DEKALB DKC61-72 (RR2)	208.5	146.9	177.7
Mycogen 2G770	212.2	140.0	176.1
Rainbow 3105YGCB	193.7	157.8*	175.8
Pioneer 33Y45	198.9	151.2	175.0
DEKALB DKC63-62 (RR2)	207.5	141.8	174.6
Stauffer 2721CB	207.3	141.4	174.3
Garst 8275YG1	206.5	141.2	173.8
Rainbow 3158YGCB	210.7	135.8	173.2
Kruger 5416YGCB	215.9	130.5	173.2
Kruger 9212YGCB	200.6	145.3	173.0
Stine 114A YGCB	207.6	136.7	172.2
Pioneer 33R78	200.1	143.4	171.8
DEKALB DKC63-79 (YGCB)	197.5	145.0	171.2
NC+ 5423B	199.2	141.8	170.5
Kruger 5514YGCB	198.0	140.8	169.4
Rainbow 3135YGCB	197.2	140.4	168.8
Croplan Genetics 693CL/Bt	192.7	136.5	164.6
MFA MORCORN 3974CB	189.6	136.3	163.0
Midland MG 7A55	192.0	122.8	157.4
Rainbow 3148YGCB	188.0	125.2	156.6
TEST AVERAGE	209.2	145.7	177.5
L.S.D. AT .10	22.2	20.6	14.9
C.V. %	7.4	9.6	8.5

** 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 18 to April 19 at the three locations with soil conditions being good at all locations. Rainfall was below normal for most of southeastern Missouri and temperatures were slightly above normal. Yields at all three southeastern irrigated locations were about normal for the region.

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 = 72.3 degrees, 0.7 degrees above normal

Average precipitation = 17.7", 3.1" below normal

Growing degree days = 3352 units, 113 above normal

Table 26. 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	04-18	09-08	211	40	70	Conv.	Lexar	None	Force 3G
Charleston	04-18	09-02	265	69	78	Conv.	Harness Extra	Steadfast, Yukon	Force 3G
Portageville Clay	04-19	09-08	250	0	0	Conv.	Callisto, Atrazine	None	Force 3G

TABLE 27. Irrigated Corn Test

Southeast Region: Oran, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=6.5, OM=1.9%, P=81, K=317

European Corn Borer Rating: Damaged Plants= 40%, Tunnel Length/Plant= 0.25 in.

Rainfall: Apr.=5.4, May=2.2, June=3.6, July=6.2, Aug.=3.2 Total=20.6 in.

Irrigation: 12 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 -----bu/acre-----	2004	
Garst 8292YG1	6	26964	23.3	1	267.4**	267.4*	267.4
Trisler 5337CB	1, 4, 10	29455	23.0	15	266.1*	--	--
FFR 736BT	2, 10	33722	22.7	4	266.1*	244.2	255.2
Willcross 3125CB	10	32516	22.1	3	264.6*	--	--
Crow's 6620B	5, 7	28979	22.9	1	261.9*	--	--
MFA MORCORN 3874CB	5	32543	22.5	0	261.6*	--	--
Crow's 4963B	5, 7	31344	22.3	10	257.8*	--	--
Exsegen ES414	2, 4	29686	22.5	0	257.7*	262.9*	260.3
Pioneer 33M54	10	31911	22.5	1	256.8*	258.4*	257.6
Terral TV26B34	2, 9, 10	29822	23.0	0	256.8*	--	--
DEKALB DKC66-21 (YGCB)	10	31405	23.2	0	255.0*	--	--
Pioneer 33N56	10	30138	22.0	0	254.8*	205.4	230.1
Golden Harvest H-9493Bt	5	28669	23.0	0	253.8*	272.7*	263.3
Terral TV26B82	2, 9, 10	32115	23.9	1	253.6*	--	--
Gateway 2416YGCB	9, 10	31090	22.6	14	252.6*	274.6*	263.6
Trisler 5338CB	1, 4, 10	30902	22.9	2	252.4*	--	--
Vigoro V58Y41	6	28752	23.0	0	252.2*	270.1*	261.2
Wyffels W8720	2, 9, 10	31882	22.7	0	252.1*	--	--
DEKALB DKC63-79 (YGCB)	10	31931	22.8	0	252.1*	241.2	246.7
FFR 835BT	2, 10	30906	22.7	8	250.5*	263.6*	257.1
Pioneer 31N28	10	31810	22.5	1	250.4*	261.3*	255.9
Dyna-Gro 5545Bt	10	30880	22.3	4	250.2*	--	--
Dyna-Gro 57N96	10	24823	22.8	3	249.9*	--	--
Stine 9803 YGCB	9, 10	26884	21.7	1	249.6*	242.3	246.0
Garst 8275YG1	6	29221	22.9	6	249.5*	--	--
UniSouth CGF 904	9	31855	22.6	21	249.2*	--	--
Pioneer 33P67	10	27616	22.5	0	248.2*	272.2*	260.2
Belle 1824R	5	30818	23.3	0	247.8*	--	--
ASGROW RX715RR2	10	31456	21.1	0	247.6*	--	--
Pioneer 32W86	10	30783	22.3	7	247.6*	249.6	248.6
Belle BEXRY455	5	29183	22.3	1	247.2*	--	--
Pioneer 31G98	10	30841	22.1	3	247.1*	273.9*	260.5
UniSouth CGF 814CB	9	23315	23.5	1	247.0*	--	--
Willcross 3136X1	10	32864	22.6	5	246.9*	--	--
Garst 8350YG1	6	29416	21.7	0	246.5*	257.2	251.9
Belle 1545RY	5	26521	22.4	11	246.5*	--	--
Belle 1533Y	5	28960	22.7	9	245.8*	259.6*	252.7
Pioneer 33R78	3, 11	26088	22.7	0	244.9*	259.5*	252.2
Mersch. M-512C-1	4, 10	29642	21.9	0	244.8*	--	--
Willcross 3194CB	10	30666	22.2	7	244.7*	273.1*	258.9
Wyffels W8603	2, 9, 10	27866	22.5	5	244.1*	281.7**	262.9
Mersch. M-612D-1	9, 10	31621	21.3	1	243.6*	--	--
Golden Harvest H-9006Bt	5	30369	22.2	1	243.2	--	--
AgriGold A6633Bt	10	27358	21.7	0	242.6	--	--
Pioneer 32P76	10	30044	22.8	3	242.4	258.1*	250.3

TABLE 27. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 -----bu/acre-----	2004	
Mersch. M-314A-1	4, 10	29856	23.6	0	241.9	--	--
Dyna-Gro CX05516	10	33605	22.3	0	241.4	--	--
Mycogen 2J787	6	31411	22.9	0	240.6	--	--
Gateway 3142	9, 10	29263	22.6	0	240.2	255.5	247.9
DEKALB DKC63-62 (RR2)	10	30993	22.6	0	240.0	--	--
Dyna-Gro 57K14	10	30471	20.6	15	240.0	--	--
NK Brand N65-C5	6	29244	22.2	3	239.9	--	--
Golden Harvest H-9563Bt	5	29197	23.4	1	239.7	--	--
Pioneer 33H25	10	29114	21.5	1	239.5	--	--
Dyna-Gro 57K58	10	30492	22.8	8	239.2	--	--
Vigoro V55CY2	2, 5, 7, 9	28685	21.6	0	239.2	--	--
AgriGold A6647	10	31703	21.7	2	238.8	--	--
NK Brand N76-D3	6	27796	22.6	1	238.2	--	--
DEKALB DKC61-72 (RR2)	10	28887	21.9	0	238.0	--	--
Belle 1830Y	5	27479	24.2	1	236.9	264.5*	250.7
Belle 1515C	5	26900	22.8	0	236.1	--	--
Terral TV25R31	2, 9, 10	27676	23.8	0	235.6	--	--
UniSouth CGF 812CB	9	30382	21.2	1	235.3	--	--
FFR 745Bt	2, 10	31271	22.2	0	235.2	--	--
NK Brand N70-T9	6	28027	22.7	0	233.3	236.6	235.0
Stine 114A YGCB	9, 10	27328	22.8	0	232.8	240.1	236.5
Belle 1525R	5	30884	22.9	0	232.4	--	--
UniSouth CGF 909	9	30284	23.2	0	231.9	--	--
Mycogen 2G830	6	29307	22.8	3	229.7	--	--
Golden Harvest H-9166	5	29072	21.9	3	228.6	261.1*	244.9
Golden Harvest H-9657	5	28427	23.2	1	228.1	--	--
NK Brand N72-J5	6	29794	22.3	0	227.3	--	--
DEKALB DKC69-72 (RR2)	10	30360	23.2	1	226.9	--	--
AgriGold A6575 BT	10	24426	22.4	1	225.8	264.3*	245.1
Crow's X51131	5, 7	29643	21.6	1	225.5	--	--
Trisler 5327CB	1, 4, 10	26971	23.7	0	224.6	--	--
Dyna-Gro 57F87	10	30594	23.1	9	223.1	--	--
Terral TV23R31	2, 9, 10	25084	23.4	1	222.9	--	--
Willcross 3155CB	10	27831	22.3	0	222.0	--	--
MFA MORCORN 3974CB	5	25542	22.3	0	220.8	--	--
FFR 900Bt	2, 10	26948	22.3	0	202.1	--	--
Dyna-Gro 5528Bt	10	28701	23.0	0	198.1	--	--
TEST AVERAGE		29503	22.6	3	242.5	251.9	247.2
L.S.D. AT .10		4623	0.9	NS	24.1	23.9	
C.V. %		11.3	2.9		7.3	6.8	

-- 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 28. **Irrigated Corn Test**

Southeast Region: Charleston, MO (Mississippi County)

Soil Type: Dundee Silt Loam Soil Test: pH=6.5, OM=1.9%, P=107, K=475

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

Rainfall: Apr.=4.0, May=0.8, June=2.4, July=5.8, Aug.=4.1 Total=17.1 in.

Irrigation: 13 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Pioneer 31N28	10	34035	22.5	14	263.8**	237.0	250.4
Belle 1533Y	5	33685	22.5	16	261.6*	244.6*	253.1
Gateway 2416YGCB	9, 10	32297	23.0	23	261.2*	226.5	243.9
Garst 8292YG1	6	31001	23.4	4	261.1*	250.0*	255.6
UniSouth CGF 814CB	9	33340	23.2	23	258.5*	--	--
Terral TV25R31	2, 9, 10	33962	22.7	8	258.0*	--	--
DEKALB DKC61-72 (RR2)	10	34652	21.6	15	257.8*	--	--
Crow's 6620B	5, 7	32759	22.5	24	255.2*	--	--
Willcross 3125CB	10	33816	21.0	14	254.4*	--	--
Crow's 4963B	5, 7	33009	21.2	20	253.6*	--	--
Mersch. M-512C-1	4, 10	32757	21.9	12	252.8*	--	--
DEKALB DKC66-21 (YGCB)	10	33853	23.5	25	252.3*	--	--
Willcross 3194CB	10	33918	22.4	27	250.3*	229.0	239.7
Terral TV26B82	2, 9, 10	33872	23.9	15	249.8*	--	--
AgriGold A6575 BT	10	33253	22.3	6	248.3*	247.6*	248.0
Golden Harvest H-9563Bt	5	32955	22.6	30	247.2*	--	--
AgriGold A6633Bt	10	32996	22.1	23	246.0*	--	--
Exsegen ES414	2, 4	31733	22.0	24	246.0*	221.4	233.7
Mersch. M-314A-1	4, 10	32707	23.0	34	245.2*	--	--
Pioneer 32P76	10	34170	22.6	15	244.5*	258.1**	251.3
Pioneer 31G98	10	32640	22.4	24	244.3*	239.4*	241.9
Gateway 3142	9, 10	31454	22.5	25	244.0*	230.8	237.4
ASGROW RX715RR2	10	33449	20.7	16	243.4*	--	--
Golden Harvest H-9006Bt	5	33808	20.6	5	242.8	--	--
Terral TV26B34	2, 9, 10	34024	23.4	32	242.1	--	--
Belle 1545RY	5	32889	22.2	30	242.1	--	--
Pioneer 33H25	10	31138	21.3	23	241.0	--	--
DEKALB DKC63-62 (RR2)	10	34890	21.5	15	240.7	--	--
MFA MORCORN 3874CB	5	33214	22.1	16	240.3	--	--
Dyna-Gro 57K14	10	33792	21.7	16	239.6	--	--
DEKALB DKC63-79 (YGCB)	10	32637	21.9	32	239.5	230.1	234.8
Wyffels W8603	2, 9, 10	31831	22.6	35	239.0	257.1*	248.1
Vigoro V58Y41	6	33095	22.8	36	238.9	229.0	234.0
Pioneer 33R78	3, 11	33451	22.9	37	238.3	243.3*	240.8
Trisler 5337CB	1, 4, 10	30651	22.7	41	238.1	--	--
Pioneer 33N56	10	33460	20.9	7	236.4	243.5*	240.0
Dyna-Gro 57N96	10	31020	22.2	22	236.1	--	--
Dyna-Gro 57F87	10	32267	22.5	30	235.7	--	--
Trisler 5338CB	1, 4, 10	31699	22.6	38	235.1	--	--
Pioneer 33M54	10	34462	22.1	15	234.2	241.2*	237.7
Golden Harvest H-9493Bt	5	33568	23.0	20	234.2	235.1	234.7
Garst 8350YG1	6	32888	20.7	13	234.1	230.3	232.2
Dyna-Gro 5545Bt	10	33845	21.7	20	233.9	--	--
NK Brand N72-J5	6	34799	21.5	18	233.6	--	--
Dyna-Gro 57K58	10	34120	22.4	27	233.4	--	--

TABLE 28. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Pioneer 32W86	10	33242	20.9	8	233.3	235.3	234.3
FFR 736BT	2, 10	32864	21.7	17	233.2	238.4*	235.8
NK Brand N70-T9	6	34284	22.4	30	232.4	224.9	228.7
NK Brand N76-D3	6	34513	23.0	17	230.2	--	--
MFA MORCORN 3974CB	5	32526	20.9	31	229.4	--	--
Trisler 5327CB	1, 4, 10	32908	23.2	3	229.1	--	--
Belle 1830Y	5	33353	23.0	31	229.1	239.0*	234.1
Dyna-Gro 5528Bt	10	32153	22.3	14	228.9	--	--
FFR 835BT	2, 10	31811	22.9	34	228.6	214.5	221.6
Crow's X51131	5, 7	35500	20.5	3	227.4	--	--
Mycogen 2J787	6	33262	21.3	22	226.6	--	--
UniSouth CGF 812CB	9	33221	21.6	21	224.2	--	--
FFR 745Bt	2, 10	32379	22.6	1	223.6	--	--
Belle BEXRY455	5	33469	21.9	19	223.2	--	--
NK Brand N65-C5	6	34510	20.9	16	222.5	--	--
Stine 9803 YGCB	9, 10	29859	22.7	16	220.0	228.5	224.3
Mycogen 2G830	6	33407	22.9	21	218.7	--	--
Willcross 3136X1	10	30332	21.5	10	218.7	--	--
FFR 900Bt	2, 10	28130	22.8	11	218.3	--	--
Golden Harvest H-9166	5	33795	20.6	38	218.3	225.8	222.1
Vigoro V55CY2	2, 5, 7, 9	34246	21.8	13	218.2	--	--
Belle 1515C	5	27889	22.9	14	217.5	--	--
Stine 114A YGCB	9, 10	31441	22.8	3	217.3	223.0	220.2
Garst 8275YG1	6	29618	22.9	29	217.1	--	--
Golden Harvest H-9657	5	32981	22.5	8	216.7	--	--
UniSouth CGF 904	9	34023	22.5	52	214.5	--	--
DEKALB DKC69-72 (RR2)	10	34687	23.2	18	214.4	--	--
Mersch. M-612D-1	9, 10	28003	20.1	16	209.9	--	--
Dyna-Gro CX05516	10	31154	22.8	15	208.2	--	--
Willcross 3155CB	10	29275	22.9	7	208.0	--	--
UniSouth CGF 909	9	33814	22.7	24	207.1	--	--
AgriGold A6647	10	27162	22.2	0	206.8	--	--
Pioneer 33P67	10	32172	22.9	29	205.5	246.3*	225.9
Terral TV23R31	2, 9, 10	34812	22.9	31	203.8	--	--
Wyffels W8720	2, 9, 10	28595	22.6	13	201.6	--	--
Belle 1824R	5	33117	22.5	31	194.3	--	--
Belle 1525R	5	26366	23.0	4	183.6	--	--
TEST AVERAGE		32619	22.2	20	232.8	229.2	231.0
L.S.D. AT .10		1835	0.9	18	20.8	20.3	
C.V. %		4.1	2.9		6.2	6.6	

-- 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. Irrigated Corn Test

Southeast Region: Portageville Clay, MO (Pemiscot County)

Soil Type: Portageville Clay Soil Test: pH= 6.9, OM=3.1%, P=116, K=464

European Corn Borer Rating: Damaged Plants= 32%, Tunnel Length/Plant= 1.25 in.

Rainfall: Apr.=4.2, May=0.6, June=2.3, July=4.4, Aug.=6.2 Total=17.7 in.

Irrigation: 20 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 -----bu/acre-----		
Gateway 2416YGCB	9, 10	33878	20.3	0	227.3**	--	--
Belle 1533Y	5	34838	20.2	2	223.6*	--	--
Mersch. M-314A-1	4, 10	32098	20.3	2	223.0*	--	--
Trisler 5338CB	1, 4, 10	32827	19.8	3	220.6*	--	--
Willcross 3194CB	10	33845	20.0	1	219.4*	--	--
Terral TV26B82	2, 9, 10	33767	21.4	1	217.6*	--	--
Belle 1545RY	5	33709	20.3	1	215.4*	--	--
Golden Harvest H-9563Bt	5	34675	20.1	0	215.3*	--	--
Crow's 6620B	5, 7	33906	20.1	4	215.0*	--	--
Vigoro V58Y41	6	34359	20.5	0	215.0*	--	--
NK Brand N65-C5	6	34678	18.2	1	214.8*	--	--
Trisler 5337CB	1, 4, 10	32522	20.3	1	214.7*	--	--
UniSouth CGF 814CB	9	33703	21.1	0	214.6*	--	--
Dyna-Gro 57F87	10	32930	20.6	3	209.5	--	--
Golden Harvest H-9493Bt	5	32871	20.0	1	209.3	--	--
Belle 1830Y	5	33252	20.2	3	208.7	--	--
AgriGold A6633Bt	10	34130	18.1	1	208.4	--	--
Golden Harvest H-9006Bt	5	34459	18.9	0	205.9	--	--
DEKALB DKC66-21 (YGCB)	10	35407	19.7	0	205.8	--	--
Dyna-Gro 5528Bt	10	33957	19.5	1	204.2	--	--
Garst 8292YG1	6	32549	20.9	0	204.2	--	--
Terral TV26B34	2, 9, 10	34738	20.2	0	203.5	--	--
AgriGold A6575 BT	10	32889	19.1	0	201.1	--	--
Exsegen ES414	2, 4	32987	19.7	3	201.1	--	--
NK Brand N70-T9	6	34010	19.6	0	200.1	--	--
MFA MORCORN 3874CB	5	35159	18.3	2	199.8	--	--
UniSouth CGF 904	9	34463	19.0	3	199.2	--	--
Crow's 4963B	5, 7	33285	19.0	2	199.1	--	--
Wyffels W8603	2, 9, 10	33108	20.4	3	198.7	--	--
Gateway 3142	9, 10	32491	18.8	8	198.3	--	--
NK Brand N72-J5	6	33436	19.3	14	196.9	--	--
Pioneer 33H25	10	35209	17.6	2	196.9	--	--
NK Brand N76-D3	6	33111	20.7	0	196.7	--	--
Garst 8275YG1	6	29236	19.9	10	196.4	--	--
FFR 835BT	2, 10	33494	20.7	1	196.0	--	--
UniSouth CGF 812CB	9	34062	19.9	0	195.8	--	--
Dyna-Gro 57N96	10	32249	19.8	2	195.3	--	--
Pioneer 31G98	10	33469	18.7	3	195.1	--	--
Belle 1824R	5	34437	20.6	5	195.0	--	--
Belle BEXRY455	5	32952	17.7	1	194.9	--	--
Willcross 3125CB	10	33988	19.0	3	193.2	--	--
Vigoro V55CY2	2, 5, 7, 9	34556	19.5	1	193.0	--	--
Pioneer 32P76	10	34154	19.0	0	192.2	--	--
DEKALB DKC63-62 (RR2)	10	34336	18.8	5	192.1	--	--
Garst 8350YG1	6	34299	18.1	0	192.1	--	--

TABLE 29. Continued.

Brand-Variety	Seed Treatment ⁺	2005			Yield	
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 -----bu/acre-----	2 Yr. Mean
Mersch. M-612D-1	9, 10	34056	16.1	0	191.8	--
Crow's X51131	5, 7	33696	18.0	1	191.5	--
Dyna-Gro 5545Bt	10	34955	19.3	1	191.4	--
Dyna-Gro 57K14	10	33811	18.3	4	190.3	--
Dyna-Gro 57K58	10	35664	20.0	6	190.2	--
DEKALB DKC61-72 (RR2)	10	34491	17.0	8	189.6	--
AgriGold A6647	10	34065	20.1	11	189.5	--
Pioneer 33M54	10	34865	18.9	6	188.7	--
Pioneer 33N56	10	33978	17.3	10	188.5	--
Pioneer 32W86	10	34363	18.4	3	187.8	--
Pioneer 31N28	10	32726	19.0	1	187.5	--
Trisler 5327CB	1, 4, 10	32513	18.9	1	186.8	--
Stine 9803 YGCB	9, 10	31501	19.7	1	186.7	--
Pioneer 33P67	10	33191	19.9	0	186.2	--
Mersch. M-512C-1	4, 10	32408	18.8	0	185.7	--
Stine 114A YGCB	9, 10	31826	20.4	0	185.0	--
DEKALB DKC63-79 (YGCB)	10	34347	18.0	1	184.9	--
Pioneer 33R78	3, 11	33654	19.2	0	184.2	--
FFR 900Bt	2, 10	33661	20.4	2	183.2	--
Dyna-Gro CX05516	10	33175	21.1	3	182.0	--
FFR 736BT	2, 10	34654	20.9	6	180.6	--
Terral TV25R31	2, 9, 10	32196	21.5	4	180.4	--
Mycogen 2J787	6	35115	18.0	2	179.8	--
Willcross 3136X1	10	33864	16.4	0	179.6	--
Terral TV23R31	2, 9, 10	33700	21.6	5	178.0	--
FFR 745Bt	2, 10	30691	19.8	0	178.0	--
Wyffels W8720	2, 9, 10	33109	19.9	4	177.5	--
Belle 1515C	5	33038	20.6	5	176.6	--
MFA MORCORN 3974CB	5	33176	17.1	1	176.4	--
ASGROW RX715RR2	10	32181	18.2	8	175.6	--
Golden Harvest H-9657	5	33325	20.4	5	170.6	--
Golden Harvest H-9166	5	32868	17.5	3	170.3	--
Mycogen 2G830	6	31807	19.9	4	170.2	--
UniSouth CGF 909	9	31996	21.5	1	167.9	--
Willcross 3155CB	10	31133	17.8	0	166.2	--
Belle 1525R	5	30634	21.1	7	165.9	--
DEKALB DKC69-72 (RR2)	10	34182	20.1	4	156.3	--
TEST AVERAGE		33477	19.5	3	194.1	--
L.S.D. AT .10		1831	0.9	5	16.9	--
C.V. %		4.0	3.3		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 30. Performance Summary for Irrigated Hybrids evaluated at Three Southeast Missouri locations (Oran, Charleston, Portageville Clay) during 2005.

Brand-Hybrid	Yield (Bu/Acre)			Mean
	Oran	Charleston	Portageville Clay	
	Irrigated			
Gateway 2416YGCB	252.6*	261.2*	227.3**	247.0**
Garst 8292YG1	267.4**	261.1*	204.2	244.2*
Crow's 6620B	261.9*	255.2*	215.0*	244.0*
Belle 1533Y	245.8*	261.6*	223.6*	243.7*
Terral TV26B82	253.6*	249.8*	217.6*	240.3*
UniSouth CGF 814CB	247.0*	258.5*	214.6*	240.0*
Trisler 5337CB	266.1*	238.1	214.7*	239.6*
Willcross 3194CB	244.7*	250.3*	219.4*	238.1*
DEKALB DKC66-21 (YGCB)	255.0*	252.3*	205.8	237.7*
Willcross 3125CB	264.6*	254.4*	193.2	237.4*
Crow's 4963B	257.8*	253.6*	199.1	236.8*
Mersch. M-314A-1	241.9	245.2*	223.0*	236.7*
Trisler 5338CB	252.4*	235.1	220.6*	236.0*
Vigoro V58Y41	252.2*	238.9	215.0*	235.4*
Exsegen ES414	257.7*	246.0*	201.1	234.9
Belle 1545RY	246.5*	242.1	215.4*	234.7
Terral TV26B34	256.8*	242.1	203.5	234.1
Golden Harvest H-9563Bt	239.7	247.2*	215.3*	234.1
MFA MORCORN 3874CB	261.6*	240.3	199.8	233.9
Pioneer 31N28	250.4*	263.8**	187.5	233.9
Golden Harvest H-9493Bt	253.8*	234.2	209.3	232.4
AgriGold A6633Bt	242.6	246.0*	208.4	232.3
Golden Harvest H-9006Bt	243.2	242.8	205.9	230.6
Pioneer 31G98	247.1*	244.3*	195.1	228.8
DEKALB DKC61-72 (RR2)	238.0	257.8*	189.6	228.5
Mersch. M-512C-1	244.8*	252.8*	185.7	227.8
Gateway 3142	240.2	244.0*	198.3	227.5
Wyffels W8603	244.1*	239.0	198.7	227.3
Dyna-Gro 57N96	249.9*	236.1	195.3	227.1
FFR 736BT	266.1*	233.2	180.6	226.6
Pioneer 33N56	254.8*	236.4	188.5	226.6
Pioneer 33M54	256.8*	234.2	188.7	226.6
Pioneer 32P76	242.4	244.5*	192.2	226.4
Pioneer 33H25	239.5	241.0	196.9	225.8
NK Brand N65-C5	239.9	222.5	214.8*	225.7
DEKALB DKC63-79 (YGCB)	252.1*	239.5	184.9	225.5
Dyna-Gro 5545Bt	250.2*	233.9	191.4	225.2
AgriGold A6575 BT	225.8	248.3*	201.1	225.1
FFR 835BT	250.5*	228.6	196.0	225.0
Belle 1830Y	236.9	229.1	208.7	224.9
Terral TV25R31	235.6	258.0*	180.4	224.7
DEKALB DKC63-62 (RR2)	240.0	240.7	192.1	224.3
Garst 8350YG1	246.5*	234.1	192.1	224.2
Dyna-Gro 57K14	240.0	239.6	190.3	223.3
Pioneer 32W86	247.6*	233.3	187.8	222.9

Table 30. Continued.

Brand-Hybrid	Yield (Bu/Acre)			
	Oran	Charleston	Portageville Clay	Mean
Irrigated				
Dyna-Gro 57F87	223.1	235.7	209.5	222.8
Pioneer 33R78	244.9*	238.3	184.2	222.5
ASGROW RX715RR2	247.6*	243.4*	175.6	222.2
NK Brand N70-T9	233.3	232.4	200.1	221.9
Belle BEXRY455	247.2*	223.2	194.9	221.8
NK Brand N76-D3	238.2	230.2	196.7	221.7
Garst 8275YG1	249.5*	217.1	196.4	221.0
UniSouth CGF 904	249.2*	214.5	199.2	221.0
Dyna-Gro 57K58	239.2	233.4	190.2	220.9
NK Brand N72-J5	227.3	233.6	196.9	219.3
Stine 9803 YGCB	249.6*	220.0	186.7	218.8
UniSouth CGF 812CB	235.3	224.2	195.8	218.4
Vigoro V55CY2	239.2	218.2	193.0	216.8
Mycogen 2J787	240.6	226.6	179.8	215.7
Mersch. M-612D-1	243.6*	209.9	191.8	215.1
Willcross 3136X1	246.9*	218.7	179.6	215.1
Crow's X51131	225.5	227.4	191.5	214.8
Trisler 5327CB	224.6	229.1	186.8	213.5
Pioneer 33P67	248.2*	205.5	186.2	213.3
Belle 1824R	247.8*	194.3	195.0	212.4
FFR 745Bt	235.2	223.6	178.0	212.3
Stine 114A YGCB	232.8	217.3	185.0	211.7
AgriGold A6647	238.8	206.8	189.5	211.7
Dyna-Gro CX05516	241.4	208.2	182.0	210.5
Wyffels W8720	252.1*	201.6	177.5	210.4
Dyna-Gro 5528Bt	198.1	228.9	204.2	210.4
Belle 1515C	236.1	217.5	176.6	210.1
MFA MORCORN 3974CB	220.8	229.4	176.4	208.9
Mycogen 2G830	229.7	218.7	170.2	206.2
Golden Harvest H-9166	228.6	218.3	170.3	205.7
Golden Harvest H-9657	228.1	216.7	170.6	205.1
UniSouth CGF 909	231.9	207.1	167.9	202.3
Terral TV23R31	222.9	203.8	178.0	201.6
FFR 900Bt	202.1	218.3	183.2	201.2
DEKALB DKC69-72 (RR2)	226.9	214.4	156.3	199.2
Willcross 3155CB	222.0	208.0	166.2	198.7
Belle 1525R	232.4	183.6	165.9	194.0
TEST AVERAGE	242.5	232.8	194.1	223.1
L.S.D. AT .10	24.1	20.8	16.9	11.9
C.V. %	7.3	6.2	6.1	6.5

** 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 31. **New Technology Corn Test**

Southeast Region: Oran, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=6.5, OM=1.9%, P=81, K=317

European Corn Borer Rating: Damaged Plants= 40%, Tunnel Length/Plant= 0.25 in

Rainfall: Apr.=5.4, May=2.2, June=3.6, July=6.2, Aug.=3.2 Total=20.6 in.

Irrigation: 12 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Dyna-Gro 57P69	10	32234	21.6	4	258.8**	248.3	253.6
Lewis 7095YGPL/RR	10	32583	22.7	8	257.3	--	--
Trisler 5337PLRR	1, 4, 10	31712	21.5	14	255.8	--	--
Garst 8225YG1/RR	6	32060	21.8	16	255.7	--	--
Gateway 5216HX	9, 10	28662	22.7	1	252.1	--	--
Pioneer 33P62	10	29534	22.4	9	249.8	--	--
High Yield Check 6	--	31886	21.8	1	249.6	--	--
Dyna-Gro 57P12	10	32060	23.3	9	248.8	--	--
Mycogen 2T780	6	32309	22.3	9	248.2	265.2*	256.7
Vigoro V58YR2	6	31538	22.8	7	246.4	--	--
High Yield Check 4	--	30579	23.8	6	245.1	--	--
Garst 8377YG1/RR	6	30144	22.1	8	243.6	--	--
Mycogen 2T801	6	29534	22.1	4	242.0	267.0*	254.5
Pioneer 31G96	10	31799	22.0	0	240.4	--	--
High Yield Check 5	--	30230	22.1	0	239.4	--	--
Dyna-Gro 58P59	10	29446	22.3	19	238.4	265.2*	251.8
Wyffels W7307	10	28314	21.9	0	233.1	--	--
TEST AVERAGE		30860	22.3	7	247.3	259.3	253.3
L.S.D. AT .10		NS	1.1	NS	NS	18	
C.V. %		8.1	4.2		6.1	5.0	

-- 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 32. **New Technology Corn Test**

Southeast Region: Charleston, MO (Mississippi County)

Soil Type: Dundee Silt Loam Soil Test: pH=6.5, OM=1.9%, P=107, K=475

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

Rainfall: Apr.=4.0, May=0.8, June=2.4, July=5.8, Aug.=4.1 Total=17.1 in.

Irrigation: 13 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005 2004	bu/acre	
Mycogen 2T801	6	34238	22.5	14	258.2**	234.2*	246.2
Pioneer 31G96	10	34238	23.7	54	256.3*	--	--
Trisler 5337PLRR	1, 4, 10	34064	22.4	27	252.5*	--	--
Pioneer 33P62	10	28575	22.2	2	251.8*	--	--
High Yield Check 5	--	33106	22.8	25	251.0*	--	--
Mycogen 2T780	6	33890	22.4	35	249.3*	253.2**	251.3
High Yield Check 6	--	32409	23.9	34	245.6*	--	--
Lewis 7095YGPL/RR	10	30405	23.3	42	241.4*	--	--
Garst 8225YG1/RR	6	33890	22.6	31	238.4*	--	--
Dyna-Gro 58P59	10	30840	23.0	17	237.8*	247.2*	242.5
Dyna-Gro 57P69	10	31276	22.1	51	235.7*	218.9	227.3
Dyna-Gro 57P12	10	32322	23.4	43	234.0*	--	--
Gateway 5216HX	9, 10	33193	23.4	15	231.5	--	--
High Yield Check 4	--	29185	22.8	29	227.0	--	--
Garst 8377YG1/RR	6	33802	23.0	35	224.8	--	--
Vigoro V58YR2	6	33018	22.6	48	220.8	--	--
Wyffels W7307	10	26398	21.7	20	195.8	--	--
TEST AVERAGE		32050	22.8	31	238.3	226.6	232.5
L.S.D. AT .10		2227	0.8	19	25.6	20.6	
C.V. %		5.9	2.8		9.1	6.4	

-- 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 33. New Technology Corn Test

Southeast Region: Portageville Clay, MO (Pemiscot County)

Soil Type: Portageville Clay Soil Test: pH= 6.9, OM=3.1%, P=116, K=464

European Corn Borer Rating: Damaged Plants= 32%, Tunnel Length/Plant= 1.25 in.

Rainfall: Apr.=4.2, May=0.6, June=2.3, July=4.4, Aug.=6.2 Total=17.7 in.

Irrigation: 20 in.

Brand-Variety	Seed Treatment ⁺	2005			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2005	2004	
Lewis 7095YGPL/RR	10	34587	20.2	15	232.3**	--	--
Vigoro V58YR2	6	34238	20.2	6	224.1*	--	--
Dyna-Gro 57P12	10	34412	19.6	2	221.9*	--	--
Trisler 5337PLRR	1, 4, 10	34935	20.0	0	219.5*	--	--
Dyna-Gro 57P69	10	34412	19.4	0	214.6	194.7	204.7
Mycogen 2T780	6	33716	20.0	3	213.7	216.3*	215.0
Mycogen 2T801	6	34151	19.7	0	208.3	209.9*	209.1
Garst 8225YG1/RR	6	34761	20.0	0	204.9	--	--
Pioneer 31G96	10	34761	19.2	1	204.5	--	--
Garst 8377YG1/RR	6	34326	19.0	0	203.4	--	--
Dyna-Gro 58P59	10	32496	19.4	1	203.4	221.3*	212.4
High Yield Check 6	--	35022	18.4	8	201.4	--	--
Pioneer 33P62	10	33280	20.2	1	198.5	--	--
High Yield Check 5	--	34935	18.9	0	196.8	--	--
Gateway 5216HX	9, 10	33542	21.0	1	192.0	--	--
High Yield Check 4	--	33716	19.6	0	191.3	--	--
Wyffels W7307	10	32409	18.0	2	185.0	--	--
TEST AVERAGE		34100	19.6	2	206.8	207.4	207.1
L.S.D. AT .10		1195	0.9	5	14.7	23.7	
C.V. %		3.0	3.7		6.0	7.9	

-- 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 New Technology Hybrids evaluated at Three Southeast Missouri locations (Oran, Charleston, Portageville Clay) during 2005.

<u>Oran</u>	<u>Charleston</u>	<u>Portageville Clay</u>
Planted: 04-18	Planted: 04-18	Planted: 04-19
Harvested: 09-08	Harvested: 10-02	Harvested: 09-08
Growing Season Rainfall: 20.6 in.	Growing Season Rainfall: 17.1 in.	Growing Season Rainfall: 17.7 in.
Irrigation: 12 in.	Irrigation: 13 in.	Irrigation: 20 in.

Brand-Hybrid	Yield (Bu/Acre)			
	Oran	Charleston	Portageville Clay	Mean
New Technology				
Lewis 7095YGPL/RR	257.3	241.4*	232.3**	243.7**
Trisler 5337PLRR	255.8	252.5*	219.5*	242.6*
Mycogen 2T780	248.2	249.3*	213.7	237.1*
Dyna-Gro 57P69	258.8**	235.7*	214.6	236.4*
Mycogen 2T801	242.0	258.2**	208.3	236.2*
Dyna-Gro 57P12	248.8	234.0*	221.9*	234.9*
Pioneer 31G96	240.4	256.3*	204.5	233.7*
Pioneer 33P62	249.8	251.8*	198.5	233.4*
Garst 8225YG1/RR	255.7	238.4*	204.9	233.0*
High Yield Check 6	249.6	245.6*	201.4	232.2*
Vigoro V58YR2	246.4	220.8	224.1*	230.4
High Yield Check 5	239.4	251.0*	196.8	229.1
Dyna-Gro 58P59	238.4	237.8*	203.4	226.5
Gateway 5216HX	252.1	231.5	192.0	225.2
Garst 8377YG1/RR	243.6	224.8	203.4	223.9
High Yield Check 4	245.1	227.0	191.3	221.1
Wyffels W7307	233.1	195.8	185.0	204.6
TEST AVERAGE	247.3	238.3	206.8	230.8
L.S.D. AT .10	NS	25.6	14.7	11.3
C.V. %	6.1	9.1	6.0	7.1

** Highest yielding hybrid in the test.

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

NS Not Significant

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

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res.	Insect Res.	Table Numbers
Ag Source 6150	5	None	110	2	None	None	2, 3, 4, 5, 6, 7
Ag Source 6273	5	None	112	2	None	YGCB	2, 3, 4, 5, 6, 7
Ag Source 6693	5	None	113	3	None	YGCB	2, 3, 4, 5, 6, 7
Ag Source 7883	5	None	116	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Ag Source X53114	5	None	113	2	GR	YGCB	2, 3, 4, 5, 6, 7
AgriGold A6445CL	10	None	109	4	CL	None	2, 3, 4, 5, 6, 7
AgriGold A6575 BT	10	None	114	3	None	YGCB	27, 28, 29, 30
AgriGold A6633Bt	10	None	115	4	None	YGCB	27, 28, 29, 30
AgriGold A6647	10	None	115	2	None	None	27, 28, 29, 30
ASGROW RX715RR2	10	None	111	4	GR	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 27, 28, 29, 30
Belle 1824R	5	None	114	NA	GR	None	27, 28, 29, 30
Belle 1515C	5	None	115	1	None	None	27, 28, 29, 30
Belle 1525R	5	None	115	1	GR	None	27, 28, 29, 30
Belle 1533Y	5	None	115	2	None	YGCB	27, 28, 29, 30
Belle 1545RY	5	None	115	2	GR	YGCB	27, 28, 29, 30
Belle 1830Y	5	None	118	2	None	YGCB	27, 28, 29, 30
Belle BEXRY455	5	None	114	NA	GR	YGCB	27, 28, 29, 30
Bio Gene BG1115	1, 4, 10	None	111	2	None	None	2, 3, 4, 5, 6, 7
Bio Gene BG1118	1, 4, 10	None	111	2	None	None	2, 3, 4, 5, 6, 7
Bio Gene BG1132	1, 4, 10	None	114	2	None	None	2, 3, 4, 5, 6, 7
Bio Gene BT1152	1, 4, 10	None	115	2	None	YGCB	13, 14, 15, 16, 17, 18
Bio Gene CB1143	1, 4, 10	HES	114	4	None	YGCB	13, 14, 15, 16, 17, 18
Bio Gene RR/CB1163	1, 4, 10	None	116	4	GR	YGCB	8, 9, 10, 11
Burrus 646R	4, 10	None	112	1	GR	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Burrus 670S	4, 10	None	113	1	GR	YGCB	8, 9, 10, 11
Burrus 717	4, 10	None	114	1	None	None	2, 3, 4, 5, 6, 7
Burrus 735R	4, 10	None	114	1	GR	None	13, 14, 15, 16, 17, 18
Burrus 795B	4, 10, 12	None	115	1	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Burrus 796T	4, 10	None	115	1	GR	YGCB, YGRW	8, 9, 10, 11
Croplan Genetics 691 BTLL	2, 5	None	112	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25
Croplan Genetics 693CL/Bt	2, 5	None	112	2	CL	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25
Croplan Genetics 731Hx/LL	2, 5	None	114	3	LL	HX	8, 9, 10, 11
Crow's 4963B	5, 7	None	113	2	None	YGCB	19, 20, 21, 27, 28, 29, 30
Crow's 6620B	5, 7	None	116	2	None	YGCB	19, 20, 21, 27, 28, 29, 30
Crow's X51131	5, 7	None	113	2	None	None	19, 20, 21, 27, 28, 29, 30
DEKALB DKC60-16 (YGCB)	10	None	110	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25
DEKALB DKC61-72 (RR2)	10	None	111	3	GR	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 27, 28, 29, 30
DEKALB DKC63-62 (RR2)	10	None	113	4	GR	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 27, 28, 29, 30
DEKALB DKC63-79 (YGCB)	10	None	113	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 27, 28, 29, 30
DEKALB DKC66-21 (YGCB)	10	None	116	5	None	YGCB	19, 20, 21, 27, 28, 29, 30
DEKALB DKC69-72 (RR2)	10	None	119	2	GR	None	27, 28, 29, 30
Dyna-Gro 5528Bt	10	None	115	2	None	YGCB	27, 28, 29, 30
Dyna-Gro 5545Bt	10	None	116	2	None	YGCB	27, 28, 29, 30
Dyna-Gro 57F19	10, 12	HES	115	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Dyna-Gro 57F37	10, 12	None	114	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Dyna-Gro 57F70	10, 12	None	112	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Dyna-Gro 57F87	10	HES	115	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29, 30
Dyna-Gro 57F95	10, 12	None	113	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Dyna-Gro 57K14	10	None	111	2	GR	None	27, 28, 29, 30
Dyna-Gro 57K58	10	None	115	1	GR	None	27, 28, 29, 30
Dyna-Gro 57N96	10	None	114	2	None	None	27, 28, 29, 30

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res.	Insect Res.	Table Numbers
Dyna-Gro 57P12	10	None	115	2	GR	YGCB	31, 32, 33, 34
Dyna-Gro 57P69	10	None	113	2	GR	YGCB	31, 32, 33, 34
Dyna-Gro 58P59	10	None	116	1	GR	YGCB	31, 32, 33, 34
Dyna-Gro CX05516	10	None	116	2	GR	None	27, 28, 29, 30
Exsegen ES414	2, 4	HES	114	2	None	None	27, 28, 29, 30
FFR 736BT	2, 10	None	112	4	None	YGCB	27, 28, 29, 30
FFR 745Bt	2, 10	None	115	3	CL	YGCB	27, 28, 29, 30
FFR 835BT	2, 10	None	117	4	None	YGCB	27, 28, 29, 30
FFR 900Bt	2, 10	None	119	4	None	YGCB	27, 28, 29, 30
Font. High Cycle 7931YGCB	4, 10	None	116	2	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21
Font. High Cycle 7951YGCB	4, 10	HES	115	2	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21
Font. High Cycle 7971YGCB	4, 10	None	115	2	None	YGCB	2, 3, 4, 5, 6, 7
Font. High Cycle 7987YGCB	4, 10	None	117	2	None	YGCB	2, 3, 4, 5, 6, 7
Font. High Cycle 8B436	4, 10	FG	113	3	None	YGCB	2, 3, 4, 5, 6, 7
Font. High Cycle 8H911	4, 10	None	114	3	LL	HX	8, 9, 10, 11
Garst 8225YG1/RR	6	None	117	3	GR	YGCB	31, 32, 33, 34
Garst 8275YG1	6	None	116	7	None	YGCB	23, 24, 25, 27, 28, 29, 30
Garst 8292YG1	6	FG, HES	118	2	None	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 27, 28, 29, 30
Garst 8350YG1	6	None	116	3	None	YGCB	13, 14, 15, 16, 17, 18, 27, 28, 29, 30
Garst 8377YG1/RR	6	None	115	4	GR	YGCB	31, 32, 33, 34
Garst 8380IT	6	None	115	3	CL	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21
Garst 8450IT	6	None	111	3	CL	None	13, 14, 15, 16, 17, 18
Garst 8535YG1/IT	6	None	108	2	CL	YGCB	2, 3, 4, 5, 6, 7
Garst 8566YG1	6	None	109	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21
Gateway 2416YGCB	9, 10	None	116	1	None	YGCB	27, 28, 29, 30
Gateway 3142	9, 10	None	114	3	None	None	27, 28, 29, 30
Gateway 5216HX	9, 10	None	116	1	None	HX	31, 32, 33, 34
Golden Harvest H-8920	5	None	112	3	None	None	2, 3, 4, 5, 6, 7, 19, 20, 21
Golden Harvest H-9006Bt	5	None	111	3	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21, 27, 28, 29, 30
Golden Harvest H-9166	5	None	113	2	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 27, 28, 29, 30
Golden Harvest H-9461	5	None	115	3	None	None	2, 3, 4, 5, 6, 7, 19, 20, 21
Golden Harvest H-9493Bt	5	None	115	3	None	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21, 27, 28, 29, 30
Golden Harvest H-9563Bt	5	None	116	3	None	YGCB	13, 14, 15, 16, 17, 18, 27, 28, 29, 30
Golden Harvest H-9657	5	None	116	3	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29, 30
Hawkeye Hybrids 316BT	9	None	113	4	None	YGCB	2, 3, 4, 5, 6, 7
Kruger 0516	3, 10	None	116	3	None	None	13, 14, 15, 16, 17, 18
Kruger 0614A	3, 10	None	114	2	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Kruger 0614B	3, 10	None	114	2	None	None	2, 3, 4, 5, 6, 7
Kruger 0615	3, 10	FG	115	1	None	None	2, 3, 4, 5, 6, 7
Kruger 0616	3, 10	None	116	3	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Kruger 0617A	3, 10	None	116	2	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Kruger 2517RR/YGCB	3, 10	None	116	4	GR	YGCB	8, 9, 10, 11
Kruger 5313YGCB	3, 10	None	113	1	None	YGCB	2, 3, 4, 5, 6, 7
Kruger 5416YGCB	3, 10	None	115	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 23, 24, 25
Kruger 5514YGCB	3, 10	None	114	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 23, 24, 25
Kruger 5517YGCB	3, 10	None	116	4	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 23, 24, 25
Kruger 5616YGCB	3, 10	None	115	3	None	YGCB	13, 14, 15, 16, 17, 18
Kruger 5617YGCB	3, 10	None	116	3	None	YGCB	13, 14, 15, 16, 17, 18
Kruger 8414HX	3, 10	None	114	3	LL	HX	8, 9, 10, 11
Kruger 8609HX	3, 10	None	109	3	None	HX	8, 9, 10, 11
Kruger 8614HX	3, 10	None	114	1	LL	HX	8, 9, 10, 11

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res.	Insect Res.	Table Numbers
Kruger 8616HX	3, 10	None	115	2	LL	HX	8, 9, 10, 11
Kruger 9111YGCB	3, 10	None	111	3	None	YGCB	2, 3, 4, 5, 6, 7
Kruger 9115 YGCB	3, 10	HES	115	4	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 23, 24, 25
Kruger 9115RR/YGCB	3, 10	None	115	4	GR	YGCB	8, 9, 10, 11
Kruger 9115TS	3, 10	HES	115	4	GR	YGCB, YGRW	8, 9, 10, 11
Kruger 9212RR/YGCB	3, 10	None	112	4	GR	YGCB	8, 9, 10, 11
Kruger 9212TS	3, 10	None	112	4	GR	YGCB, YGRW	8, 9, 10, 11
Kruger 9212YGCB	3, 10	None	112	4	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 23, 24, 25
Kruger 9308RR/YGCB	3, 10	None	108	4	GR	YGCB	8, 9, 10, 11
Kruger 9313RR/YGCB	3, 10	HES/HFC	113	1	GR	YGCB	8, 9, 10, 11
Kruger 9313YGCB	3, 10	HES/HFC	113	1	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Kruger 9910 YGCB	3, 10	None	108	4	None	YGCB	2, 3, 4, 5, 6, 7
Lewis 5245	10	None	110	3	None	None	2, 3, 4, 5, 6, 7
Lewis 5343	10	None	110	2	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Lewis 5365YGCB/RR	10	None	110	2	GR	YGCB	8, 9, 10, 11
Lewis 7044YGCB	10	None	117	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Lewis 7095YGPL/RR	10	None	117	3	GR	YGPL	8, 9, 10, 11, 31, 32, 33, 34
Lewis 7206	10	None	117	3	None	None	13, 14, 15, 16, 17, 18
LG 2540Bt	8, 9	None	110	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
LG 2600Bt	8, 9	None	112	2	None	YGCB	2, 3, 4, 5, 6, 7
LG 2625Bt	8, 9	None	114	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
LG 2640Bt	8, 9	None	115	2	None	YGCB	13, 14, 15, 16, 17, 18
Mersch. M-314A-1	4, 10	HES	114	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29, 30
Mersch. M-512C-1	4, 10	None	112	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29, 30
Mersch. M-610F-1	9, 10	None	110	4	None	YGCB	2, 3, 4, 5, 6, 7
Mersch. M-612D-1	9, 10	None	112	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29, 30
Mersch. M-613B	9, 10	FG	113	2	None	None	13, 14, 15, 16, 17, 18
MFA MORCORN 3874CB	5	None	109	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 27, 28, 29, 30
MFA MORCORN 3974CB	5	None	110	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 27, 28, 29, 30
MFA MORCORN 4474CB	5	None	114	2	None	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
Midland MG 7A55	10	None	118	2	LL	None	13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25
Midland MG 7A58BT	10	None	117	3	None	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25
Mycogen 2G768	6	None	113	2	LL	HX	8, 9, 10, 11
Mycogen 2G770	6	None	113	2	None	YGCB	23, 24, 25
Mycogen 2G830	6	None	117	3	None	None	19, 20, 21, 27, 28, 29, 30
Mycogen 2H789	6	None	114	3	CL	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Mycogen 2J787	6	None	115	2	None	None	13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 27, 28, 29, 30
Mycogen 2P781	6	None	114	3	GR	None	2, 3, 4, 5, 6, 7
Mycogen 2T780	6	None	114	4	LL	HX	8, 9, 10, 11, 31, 32, 33, 34
Mycogen 2T801	6	None	114	4	GR	YGCB	8, 9, 10, 11, 31, 32, 33, 34
NC+ 4971	1, 10	None	113	2	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
NC+ 5381	1, 10	None	114	2	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
NC+ 5423B	1, 10	None	114	2	None	YGCB	23, 24, 25
NK Brand N65-C5	6	None	109	5	LL	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29, 30
NK Brand N67-T4	6	None	109	4	LL	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
NK Brand N70-T9	6	None	112	3	LL, CL	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 27, 28, 29, 30
NK Brand N72-J5	6	None	112	5	None	None	27, 28, 29, 30
NK Brand N76-D3	6	None	113	3	LL	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 27, 28, 29, 30
NuTech EX NT-4012 YGCB	5	None	112	2	None	YGCB	2, 3, 4, 5, 6, 7
NuTech NT-0116	10	None	119	2	None	None	2, 3, 4, 5, 6, 7
NuTech NT-0616	10	None	117	2	None	None	2, 3, 4, 5, 6, 7
NuTech NT-2016 HX	10	None	116	2	LL	HX	8, 9, 10, 11
NuTech NT-2515 HX	10	None	115	2	LL	HX	8, 9, 10, 11
NuTech NT-4014 YGCB	10	None	114	2	None	YGCB	2, 3, 4, 5, 6, 7
NuTech NT-4213 YGCB	5	None	113	2	None	YGCB	2, 3, 4, 5, 6, 7
NuTech NT-4312 YGCB	10	None	112	2	None	YGCB	2, 3, 4, 5, 6, 7
NuTech NT-4516 YGCB	10	None	119	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
NuTech NT-4616 YGCB	5	None	116	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
NuTech NT-4717 YGCB	5	None	117	2	None	YGCB	2, 3, 4, 5, 6, 7
NuTech NT-5616 RR/YGCB	5	None	116	2	GR	YGCB	8, 9, 10, 11
NuTech NT-9616YGPLUS	10	None	116	2	None	YGPL	8, 9, 10, 11
Pfister 2656RR-Bt	9, 11	HES	110	5	GR	YGCB	8, 9, 10, 11
Pfister 2730	9, 11	None	113	2	None	None	2, 3, 4, 5, 6, 7
Pfister 3356RR-Bt	9, 11	HES	115	2	GR	YGCB	8, 9, 10, 11
Pioneer 31G96	10	None	117	4	GR, LL	HX	31, 32, 33, 34
Pioneer 31G98	10	None	117	4	None	None	27, 28, 29, 30
Pioneer 31N28	10	None	119	4	None	YGCB	19, 20, 21, 27, 28, 29, 30
Pioneer 32P76	10	None	117	3	None	YGCB	27, 28, 29, 30
Pioneer 32W86	10	None	114	4	None	YGCB	27, 28, 29, 30
Pioneer 33A84	3, 11	HTF	114	4	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Pioneer 33B54	3, 11	YFC, HTF, HAE	115	4	GR	YGCB	8, 9, 10, 11
Pioneer 33D11	3, 10	HTF	112	5	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 23, 24, 25
Pioneer 33H25	10	None	114	4	None	None	27, 28, 29, 30
Pioneer 33K39	3, 11	None	113	4	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Pioneer 33M54	10	None	114	3	None	None	27, 28, 29, 30
Pioneer 33N09	3, 11	YFC	114	5	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Pioneer 33N56	10	None	112	3	None	None	27, 28, 29, 30
Pioneer 33P62	10	None	115	5	LL	HX	31, 32, 33, 34
Pioneer 33P67	10	None	114	5	None	YGCB	27, 28, 29, 30
Pioneer 33R78	3, 11	HTF	114	4	None	YGCB	19, 20, 21, 23, 24, 25, 27, 28, 29, 30
Pioneer 33R81	3, 11	HTF	114	4	GR	YGCB	8, 9, 10, 11
Pioneer 33Y45	3, 10	HAE	115	3	None	None	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25
Pioneer 34A15	3, 11	HTF, HES	108	4	None	None	19, 20, 21
Pioneer 34A16	3, 11	HTF	110	4	LL	HX	8, 9, 10, 11
Pioneer 34P88	3, 10	HTF, HES	110	4	None	None	2, 3, 4, 5, 6, 7
Rainbow 3105YGCB	9	None	110	3	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21, 23, 24, 25
Rainbow 3120YGCB	9	None	112	2	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21, 23, 24, 25
Rainbow 3135YGCB	9	None	113	2	None	YGCB	2, 3, 4, 5, 6, 7, 23, 24, 25
Rainbow 3148YGCB	9	None	114	1	None	YGCB	19, 20, 21, 23, 24, 25
Rainbow 3158YGCB	9	None	115	2	None	YGCB	2, 3, 4, 5, 6, 7, 19, 20, 21, 23, 24, 25
Rainbow 3167	9	None	116	1	None	None	2, 3, 4, 5, 6, 7
Renze 6375	2, 9, 10	None	113	3	None	None	2, 3, 4, 5, 6, 7
Renze 6406	2, 9, 10	None	113	3	None	None	2, 3, 4, 5, 6, 7
Renze 8386YGCB	2, 9, 10	None	115	3	None	YGCB	2, 3, 4, 5, 6, 7
Renze 8526YGCB	2, 9, 10	None	116	4	None	YGCB	2, 3, 4, 5, 6, 7
Renze EX8546YGCB	2, 9, 10	None	119	3	None	YGCB	2, 3, 4, 5, 6, 7
Stauffer 2677BR	5	FS	110	2	GR	YGCB	8, 9, 10, 11
Stauffer 2699CB	5	None	112	3	None	YGCB	23, 24, 25
Stauffer 2721CB	5	HES	114	3	None	YGCB	23, 24, 25
Stauffer 2816BR	5	HES	117	2	GR	YGCB	8, 9, 10, 11
Stine 111A YGCB	9, 10	None	111	2	None	YGCB	13, 14, 15, 16, 17, 18

Brand Hybrid	Seed Treatment	Special Traits	Maturity Days	Stalk Rating	Herb. Res.	Insect Res.	Table Numbers
Stine 114A YGCB	9, 10	None	114	1	None	YGCB	23, 24, 25, 27, 28, 29, 30
Stine 9703 YGCB	9, 10	None	112	3	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Stine 9724	9, 10	None	110	3	None	YGCB	23, 24, 25
Stine 9803 YGCB	9, 10	None	114	4	None	YGCB	27, 28, 29, 30
Stine 9804 YGCB	9, 10	None	115	4	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Terral TV23R31	2, 9, 10	None	112	1	GR	None	27, 28, 29, 30
Terral TV25R31	2, 9, 10	None	115	2	GR	None	27, 28, 29, 30
Terral TV26B34	2, 9, 10	None	115	2	None	YGCB	27, 28, 29, 30
Terral TV26B82	2, 9, 10	None	115	2	None	YGCB	27, 28, 29, 30
Trisler 5327CB	1, 4, 10	None	113	1	None	YGCB	27, 28, 29, 30
Trisler 5337CB	1, 4, 10	None	113	1	None	YGCB	27, 28, 29, 30
Trisler 5337PLRR	1, 4, 10	None	113	1	GR	YGPL	31, 32, 33, 34
Trisler 5338CB	1, 4, 10	None	113	1	None	YGCB	27, 28, 29, 30
U.S.A Hybrids 1221	9	None	111	2	None	None	23, 24, 25
U.S.A. Hybrids 1120bt cb	9	None	112	1	None	YGCB	23, 24, 25
UniSouth CGF 812CB	9	HP	116	3	None	YGCB	27, 28, 29, 30
UniSouth CGF 814CB	9	HP	116	2	None	YGCB	27, 28, 29, 30
UniSouth CGF 904	9	HP	117	3	None	None	27, 28, 29, 30
UniSouth CGF 909	9	HP	117	2	None	None	27, 28, 29, 30
Vigoro V5160	2, 9, 10	None	111	2	None	None	2, 3, 4, 5, 6, 7
Vigoro V5240	2, 5, 7, 9	None	112	3	None	None	2, 3, 4, 5, 6, 7
Vigoro V54Y61	2, 9, 10	None	114	4	None	YGCB	2, 3, 4, 5, 6, 7
Vigoro V55CY2	2, 5, 7, 9	None	114	3	CL	YGCB	19, 20, 21, 27, 28, 29, 30
Vigoro V58Y41	6	None	117	2	None	YGCB	13, 14, 15, 16, 17, 18, 19, 20, 21, 27, 28, 29, 30
Vigoro V58YR2	6	None	117	3	GR	YGCB	31, 32, 33, 34
Willcross 3103CB	10	PP	110	1	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Willcross 3123CB	10	PP	112	1	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Willcross 3125CB	10	None	112	2	None	YGCB	27, 28, 29, 30
Willcross 3136X1	10	None	113	2	None	None	2, 3, 4, 5, 6, 7, 27, 28, 29, 30
Willcross 3155CB	10	None	115	1	None	YGCB	27, 28, 29, 30
Willcross 3193CB	10	None	116	2	None	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 16, 17, 18
Willcross 3194CB	10	None	116	2	None	YGCB	27, 28, 29, 30
Wyffels W6613	10	HES	110	3	None	YGCB	13, 14, 15, 16, 17, 18
Wyffels W7260	10	None	112	1	None	None	13, 14, 15, 16, 17, 18
Wyffels W7307	10	FG	113	2	GR	YGCB	31, 32, 33, 34
Wyffels W8603	2, 9, 10	HES	115	3	None	YGCB	13, 14, 15, 16, 17, 18, 27, 28, 29, 30
Wyffels W8720	2, 9, 10	None	114	3	None	None	13, 14, 15, 16, 17, 18, 27, 28, 29, 30

* 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; FS = Fermentable Starch; HES = High Extractable Starch; HAE = High Available Energy; HFC = High Fermentable Corn; HP = High Protein; HTF = High Total Fermentable; PP = Processor Preferred; 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: HX = Herculex; YGCB = Yield Guard Corn Borer; YGRW = Yield Guard Rootworm;

YGPL = Yield Guard Plus

Sources of Commercial Seed Corn Entered in 2005 Missouri Corn Tests

Brand	Company and Address	Phone Number
Ag Source Seeds	Ag Source Seeds 1800 L Avenue, Nevada, IA 50201	515-382-8880
AgriGold	AgriGold Hybrids RR 1 Box 203, St. Francisville, IL 62460	618-943-5776
Asgrow	Monsanto 800 N. Lindbergh Blvd., St. Louis, MO 6316	815-754-4809
Belle Southern Hybrids	Belle Southern Hybrids P.O. Box 9, 1 Pennsylvania Lane, Waldenburg, AR 72475	870-579-2286
Bio Gene	Bio Gene 5477 Tri County Hwy, Sardinia, OH 45171	937-444-6422
Burrus	Burrus Hybrids 826 Arenzville Rd., Arenzville, IL 62611	217-997-5511
Croplan Genetics	Land O'Lakes/Croplan Genetics P.O. Box 64281, St. Paul, MN 55164	620-223-3803
Crows	Crow's Hybrid Corn Co. PO Box 157, Kentland, IN 47951	608-274-8215
Dekalb	Monsanto 800 N. Lindbergh Blvd., St. Louis, MO 63167	815-754-4809
Dyna-Gro	UAP Dyna Gro 57 Germantown Court, Suite 200, Cordova, TN 38018	901-755-7566
Dyna-Gro	UAP 4900 S. 13th Street, Leavenworth, KS 66048	913-250-0200
Exsegen Seed Co.	Miles Seed Co. PO Box 22879, Owensboro, KY 42304	800-666-4537
FFR	FFR Seed 969 Cloverleaf Dr., Southaven, MS 38671	901-652-0903
Fontanelle	Fontanelle Hybrids 10981 8th St., Fontanelle, NE 68044	402-721-1410
Garst	Garst/AgriPro Seed Co. 2369 330th Street, Slater, IA 50244	515-685-5234
Gateway	Gateway Seed Co. Inc. 5517 Van Buren Rd., Nashville, IL 62263	618-327-8000
Golden Harvest	Golden Harvest Seeds Box 248, Pekin, IL 61555	800-747-2127
Hawkeye	Hawkeye Hybrids 2165 Idaho Dr., Pella, IA 50219	641-628-3827
Kruger	Kruger Seed Co. 33938 160th, Dike, IA 50624	319-989-2414
Lewis	Lewis Hybrids 530 W. Maple Ave., Box 38, Ursa, IL 62376	217-964-2131
LG Seeds	LG Seeds 22827 Shissler Rd., Elmwood, IL 61529	309-369-2872
Merschman	Merschman Seeds, Inc. 103 Ave. D, P.O. Box 67, West Point, IA 52656	319-837-6111
MFA Inc.	MFA Inc 201 Ray Young Drive, Columbia, MO 65201	573-876-5428
Midland	Midland Genetics Group 1906 Kingman Rd., Ottawa, KS 66067	785-242-3598
Mycogen	Mycogen Seeds 9330 Zionsville Rd., Indianapolis, IN 46268	317-337-4662
NC+	NC+ Hybrids 3820 N. 56th St., Lincoln, NE 68504	620-694-7400
NK Brand	Syngenta Seeds 340 Southside Drive, Henderson, KY 42420	270-827-5787
NK Brand	NK Brand Syngenta Seed 7500 Olson Memorial Hwy, Golden Valley, MN 55427	217-370-9039
NuTech Seed	NuTech Seed 6161 North Fork Road, Ames, IA 50010	515-232-8236
Pfister	Pfister Hybrid Corn Co. 187 N. Fayette St., El Paso, IL 61738	309-527-6000

Brand	Company Name and Address	Phone Number
Pioneer	Pioneer Hi-Bred Int. Inc. 5700 Merle Hay Road, Johnston, IA 50131	515-253-5889
Pioneer	Pioneer Hi-Bred Int. Inc. 7501 Memorial Pkwy SW, Suite 205, Huntsville, AL 35802	800-331-2475
Rainbow	Rainbow Seeds 1816 Highway 163, Oskaloosa, IA 52577	800-373-9401
Renze	Renze Hybrids, Inc. 27410 Kittyhawk Ave., Carroll, IA 51401	712-669-3301
Stauffer Seeds	Stauffer Seeds P.O. Box 128, Carroll, IA 51401	712-792-2525
Stine	Stine Seed Co. 2225 Laredo Trail, Adel, IA 50003	800-362-2510
Terral	Terral Seed Inc. 604 Blount St., Lake Providence, LA 71254	318-559-2840
Trisler Seed	Trisler Seed Farms 3274 E 800 North Rd, Fairmount, IL 61841	217-288-9301
U.S.A. Hybrids	U.S.A Hybrids 29152 Hagy Road, Defiance, OH 43512	419-395-2646
UniSouth	UniSouth Genetics, Inc. 2640-C Nolensville Road, Nashville, TN 37211	800-505-3133
Vigoro	Royster-Clark, Inc. 717 Robinson Rd. SE, Washington C.H., OH 43160	740-869-2181
Willcross	Neco Seed Farms P.O. Box 560, Garden City, MO 64747	816-862-8203
Wyffels Seed Co.	Miles Seed PO Box 22879, Owensboro, KY 42304-2879	800-666-4537
Wyffels Seed Co.	AgriServices of Brunswick Hwy 24 West, Brunswick, MO 65236	660-549-3351

