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Missouri 2008 Corn Performance Tests

This report is a contribution of the Division of Plant Sciences, 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-1930s, with results first published in 1937. The number of entries in the program has grown from fewer than 50 in the early years to 243 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 (LSD). The LSD is simple to apply. When two entries are compared and the difference between them is greater than the LSD, the entries are considered to be significantly different. Differences smaller than the LSD 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 following a row across the table, 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 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.

The Authors

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Experimental Procedures

Test Descriptions:

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

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

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

Entries: All producers of hybrid seed were eligible to enter the 2008 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.

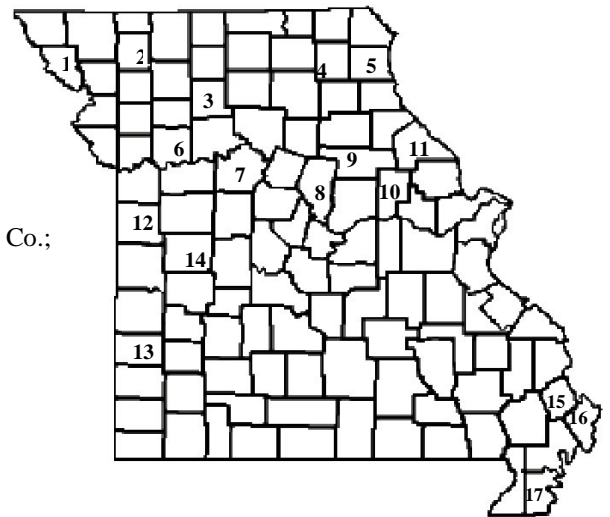
Data Recorded: --- Plant stands were recorded mid-season and lodging was determined immediately before harvest. Plants leaning more than 30 degrees from vertical and those bent or broken below the ear were counted as lodged. During harvest, plot grain weights were measured and an electronic moisture 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 a moisture content of 15.5 percent.

Accessibility of Data: The results of the 2008 crop performance tests are also available online at: varietytesting.missouri.edu. 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 2008, 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 & Extension Center near Columbia in Boone Co.;
9. Kevin Freyer Farm near Laddonia in Audrain Co.;
10. Roy Cope Farm near Truxton in Montgomery Co.;
11. Bob Burkemper Farm near Annada in Pike Co.;
12. Doug Roth Farm near Harrisonville in Cass Co.;
13. Ron Bean Farm near Lamar in Barton Co.;
14. Kurt Gretzinger Farm near Urich in Henry Co.;
15. Glenn Nothdurft Farm near Oran in Scott Co.;
16. H.S. Byrd Farm, near Charleston in Mississippi Co.;
17. Delta Research Center near Portageville in Pemiscot Co.



Results are presented by region within the state. For each location, data on seed treatment, final plant stand, lodging, moisture at harvest, and yield adjusted for moisture is given for each hybrid. Growing season (May-September) 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 North Region for the Non-Irrigated Corn Test and two locations for the New Technology Corn Test. 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 slightly between locations, but tend to reflect those followed by farmers in the area.

Planting was delayed at several of the north Region sites until late May because of heavy spring rains. The LaGrange test was lost to flooding when the levee there was breached in mid-June and flood water covered the experiment for several weeks. There were several storms this summer accompanied by high winds that caused significant lodging at Craig and Novelty. The cooperating farmer at Craig applied Headline to combat corn fungal diseases. European corn borer pressure was moderate to heavy at all north Region sites. In spite of all of these challenges, yields at the four locations that were harvested were good, averaging 185 bushels per acre.

Climatological information for the growing season (May 1 – Sept. 30) for the North Region is summarized below and cultural practices for each site are listed in Table 1.

Average temperature = 69.6 degrees, equal to normal
 Average precipitation = 30.2", 21.3" above normal
 Growing degree days = 2873 days, 198 days below 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	5-14,15	10-28	208	50	50	Conv.	Dual II Mag, Atrazine, Princep, Callisto		Force 3G
Albany	05-15	10-13	220	60	80	Conv.	Dual II Mag, Atrazine, Princep, Callisto		Force 3G
Mooresville	05-01	10-06	225	40	0	Conv.	Dual II Mag, Atrazine, Callisto, Princep		Force 3G
Novelty	05-29	11-14	217	70	70	Conv.	Dual II Mag, Atrazine, Callisto, Princep		Force 3G
LaGrange	05-05	Flooded Out				Conv.	Dual II Mag, Atrazine, Callisto, Princep		Force 3G

TABLE 2. Non-Irrigated Corn Test

North Region: Craig, MO (Holt County)

Soil Type: Blencoe Silty Clay Soil Test: pH=7.4, OM=1.6%, P=56 K=1008

European Corn Borer Rating: Damaged Plants= 52%, Tunnel Length/Plant=0.3 in.

Rainfall: May=5.1, June=6.5, July=1.4, Aug.=0.8,Sept.=6.7 Total=20.5

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2006	
					-----bu/acre-----		
Producers 7414VT3	6, 7, 8	30123	14.9	15	202.8**	--	--
Kruger K-8616HX	4	30496	16.0	5	202.7*	216.4*	209.6
AgriGold A6632VT3	6, 7	29127	16.3	14	200.3*	--	--
NuTech 0C-413 YGCB	5, 7, 6	29998	15.1	6	196.1*	--	--
LG 2620 VT3	1, 6, 7, 8	28504	14.8	6	195.5*	--	--
Stone 7T231VT3	6, 7	29749	14.5	13	195.4*	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	29874	15.3	2	194.8*	--	--
NuTech 3T-110 VT3	5, 7, 6	30869	14.3	13	194.2*	--	--
Lewis 910 CB/RR	6, 7, 8	30745	14.5	6	193.6*	--	--
LG 2642 VT3	1, 6, 7, 8	30869	15.8	11	192.4*	--	--
G2 Genetics 1H-716 HX/LL	5, 7	29251	17.0	6	192.1*	--	--
NuTech 1X-114 HXT/LL	4	30123	15.8	17	191.9*	--	--
AgriGold 6399VT3	6, 7	27508	14.3	10	190.7*	--	--
Kruger K-2115RR/YGCB	4	28629	16.4	6	190.2*	--	--
Producers 7624VT3	6, 7, 8	30620	15.5	17	190.1*	--	--
Merschman M-909C-3	2, 7, 8	30869	15.3	18	189.7*	--	--
Kruger K-5213YGCB	4	30123	14.6	10	189.6*	--	--
Midwest Seed 79504VT3	4	29625	14.5	1	189.5*	--	--
Lewis 914 VT3	6, 7, 8	30247	14.4	3	189.3*	--	--
MFA MORCORN MC4107VT3	4	30372	14.3	10	189.2*	--	--
AgriGold A6533VT3	6, 7	29251	14.8	11	188.8*	--	--
G2 Genetics 0A-615	5, 7	28629	13.1	8	188.8*	--	--
Producers 7394VT3	6, 7, 8	28753	14.3	7	188.7*	--	--
Hubner H5582VT3	6, 7, 8	29998	15.2	4	187.4*	--	--
NuTech 3C-414 RR/YGCB	4	29002	15.3	18	187.3*	--	--
Renze 1499VT3	6, 7	29002	14.9	17	187.2*	--	--
Kruger K-6411VT3	4	28255	14.3	8	187.1*	--	--
Pioneer 35F40 (HX1,LL,RR2)	1, 5, 6, 7	28754	14.5	1	187.0*	--	--
NuTech 3T-315 VT3	7	22032	12.7	7	186.8*	--	--
NuTech 3T-012 VT3	5, 7, 6	30122	14.5	1	186.8*	--	--
Stone 7T202VT3	6, 7	28878	14.7	6	186.7*	--	--
LG 2555 VT3	1, 6, 7, 8	30371	14.6	11	186.0*	--	--
Kruger K-9414RR/HXT	4	27260	16.6	15	185.8*	--	--
Taylor EXP C-112-08 VT3	7, 8	26140	14.8	16	185.1*	--	--
Kruger K-6015VT3	4	29376	16.2	16	185.1*	--	--
G2 Genetics 5H-212 RR/HX	5, 7	28878	15.7	11	184.9*	--	--
Rainbow X1157	6	29874	16.4	12	184.8*	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	27509	15.2	0	184.7*	--	--
Rainbow 3158YGCB	6	28629	15.5	10	184.3*	203.6*	194.0
Midland MG 779BT	7	30745	15.6	15	183.7*	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	30123	14.4	6	183.1	--	--
Rainbow X1147RRYGCB	6	27509	14.5	4	182.9	--	--
Bio Gene BG 83V08	6, 7, 8	29749	15.8	20	182.6	--	--
Kruger K-6013VT3	4	28753	15.0	6	181.3	--	--
Hubner H5636VT3	6, 7, 8	20164	12.7	12	180.4	--	--

TABLE 2. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 2006 -----bu/acre-----		
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	30745	16.1	22	180.0	--	--
G2 Genetics 1H-911 HX/LL	5, 7	29003	15.5	8	180.0	--	--
Merschman M-314A-10	2, 7, 8	20040	13.1	6	179.8	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	28255	15.0	8	179.8	--	--
Midland MG 417BT	7	30122	14.5	0	179.4	--	--
NuTech 3T-710 VT3	5, 7, 6	29003	14.3	29	179.1	--	--
NuTech 3C-317 RR/YGCB	5, 7, 6	27384	17.1	13	178.7	--	--
Taylor 644 RR	7, 8	28131	15.4	6	178.4	--	--
Kruger K-5116YGCB	4	28504	16.0	30	178.3	--	--
AgriGold A6479VT3	6, 7	30496	14.8	10	178.3	--	--
Hubner EX828BRPH	6, 7, 8	27633	16.9	7	178.1	--	--
Kruger K-6212TS	4	28753	15.3	10	178.0	--	--
NuTech 0C-213 YGCB	4	30123	14.9	11	177.9	208.0*	193.0
Kruger K-6210TS	4	29998	15.0	0	177.7	--	--
Fielder's Choice NG 6834	7	28380	16.0	12	177.5	--	--
Kruger K-6111TS	4	29998	14.4	5	177.4	--	--
Taylor EXP C-113-08 VT3	7, 8	30496	14.6	5	176.8	--	--
Fontanelle 8T416	7	28006	15.5	24	176.7	--	--
MFA MORCORN MC4083 RR/CB	4	27384	15.0	7	176.6	--	--
NuTech 3C-408 RR/YGCB	5, 7, 6	28505	15.6	6	176.6	--	--
Renze 7409RR2	6, 7	30371	15.7	10	176.5	--	--
Fontanelle 7K733	7	29376	14.5	7	175.4	--	--
Rainbow 3105YGCB	6	29376	15.0	10	175.3	193.0	184.2
NuTech 3T-115 VT3	5, 7, 6	28753	15.1	10	175.2	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	28255	14.7	15	174.9	--	--
Fontanelle 8T339	7	29376	14.2	18	174.6	--	--
Lewis 912 CB	6, 7, 8	29625	14.9	6	174.4	--	--
NuTech 3T-912 VT3	5, 7, 6	28504	15.7	7	174.3	--	--
Bio Gene BG 82V08	6, 7, 8	27260	15.4	10	174.2	--	--
DEKALB DKC62-99 (RR2/YGCB)	1, 6, 7, 8	30745	15.2	5	174.0	--	--
Kruger K-6517TS	4	27633	15.3	12	173.8	--	--
G2 Genetics 5H-508 RR/HX	5, 7	25517	15.6	6	173.6	--	--
AgriGold A6489VT3	6, 7	29749	15.4	34	173.1	--	--
Rainbow 3142YGCB	6	30869	15.3	20	173.1	201.4	187.3
DEKALB RX785VT3	1, 6, 7, 8	30745	14.4	6	173.0	--	--
Burrus 573T	6, 7	29376	14.5	10	173.0	--	--
Midwest Seed 79123VT3	4	29500	15.4	13	172.7	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	29625	15.1	10	172.4	--	--
Mycogen 2T783	4	28380	15.4	24	171.9	--	--
Mycogen 2Y737	4	30496	15.7	39	171.5	--	--
Fontanelle 8T266	7	29127	15.1	6	171.3	--	--
Kruger K-6008VT3	4	29376	14.6	6	171.3	--	--
Lewis 810 VT3	6, 7, 8	29002	14.4	5	171.2	--	--
Kruger K-6114VT3	4	28878	16.1	3	171.1	--	--
MFA MORCORN MC4007VT3	4	29002	14.9	36	170.3	--	--
Kruger K-6413VT3	4	29998	14.4	6	170.2	--	--
Mycogen 2T826	4	30123	15.6	25	168.1	--	--
Taylor 2230 HX	7, 8	30994	15.8	4	167.8	--	--
G2 Genetics 5H-314 RR/HX	5, 7	29127	16.1	4	167.5	--	--
Lewis 813 VT3	6, 7, 8	22530	12.6	3	167.4	--	--
G2 Genetics 1X-911 HXT/LL	5, 7	29625	15.5	13	167.3	--	--
Kruger K-8112HX	4	30745	16.0	9	167.0	--	--

TABLE 2. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2006	
Fielder's Choice NG 6811	7	27260	15.2	13	166.7	--	--
Bio Gene BG 84V09	6, 7, 8	29127	15.7	30	166.7	--	--
NuTech 5X-512 RR/HXT	4	27508	14.9	26	166.6	--	--
Hubner H5477PR	6, 7, 8	28131	14.8	10	166.1	--	--
Power Plus 4K74	6, 7	27757	15.0	27	166.1	--	--
Renze 1526VT3	6, 7	29500	15.7	38	166.0	--	--
G2 Genetics 3A-513 RR	5, 7	28256	14.5	1	165.1	--	--
Merschman M-711E-10	2, 7, 8	30123	14.5	40	164.9	--	--
Kruger K-6412VT3	4	29749	15.3	17	164.5	--	--
Fontanelle 8B467	7	30122	15.8	21	164.1	--	--
MFA MORCORN MC4207VT3	4	29127	14.5	15	163.9	--	--
NuTech 3T-109 VT3	4	30745	14.3	32	162.9	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	30371	14.6	9	161.9	--	--
Midland MG 658HL	7	25019	13.1	18	161.2	--	--
Kruger K-7010YGPL	4	29749	14.7	31	161.1	--	--
Stone 7T927VT3	6, 7	28504	14.3	12	160.6	--	--
G2 Genetics 1H-715 HX/LL	5, 7	29500	15.8	4	160.0	--	--
Renze 1399VT3	6, 7	28006	15.1	13	159.5	--	--
NuTech 3P-708 RR/YGPL	5, 7, 6	27758	14.3	13	158.5	--	--
Dyna-Gro CXO8216	1, 6, 7, 8	29749	15.5	38	155.5	--	--
Midland MG 436BT	7	29376	14.4	25	155.4	190.2	172.8
G2 Genetics 1X-716 HXT/LL	5, 7	29251	16.9	6	155.4	--	--
Renze 5X389HXT/LL	6, 7	28753	15.1	14	154.7	--	--
Fielder's Choice NG 6820	7	29624	14.5	12	154.6	--	--
MFA MORCORN MC4507VT3	4	29749	15.7	20	153.7	--	--
Midland MG 697BT	7	29998	15.0	22	153.6	--	--
Dyna-Gro 57V44	1, 6, 7, 8	27758	15.3	38	153.0	--	--
Burrus 6C56	6, 7	28006	15.0	16	150.7	--	--
Rainbow X1078	6	28878	14.7	42	150.6	--	--
NuTech 3T-514 VT3	5, 7, 6	28380	15.0	34	145.1	--	--
Rainbow X1107VT3	6	27384	14.5	43	145.0	--	--
Merschman M-913C-10	2, 7, 8	30994	16.0	28	128.1	--	--
TEST AVERAGE		28936	15.1	14	175.5	193.4	184.5
L.S.D. AT .10		NS	1.2	16	19.5	20.1	
C.V. %		10.1	6.0		7.9	7.4	

-- 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= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 3. Non-Irrigated Corn Test

North Region: Albany, MO (Gentry County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.2, OM=3.2%, P=50, K=384

European Corn Borer Rating: Damaged Plants=60%, Tunnel Length/Plant=0.5 in.

Rainfall: May=3.7, June=9.2, July=1.6, Aug.=1.1,Sept.=7.5 Total=23.1

Brand-Variety	Seed Treatment ⁺	2008			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	2 Yr. Mean
				-----bu/acre-----			
NuTech 3T-315 VT3	7	26910	19.2	0	203.2**	--	--
LG 2642 VT3	1, 6, 7, 8	28742	19.5	0	203.2**	--	--
Midland MG 779BT	7	29655	19.0	0	197.8*	--	--
AgriGold A6479VT3	6, 7	26428	18.7	0	197.5*	--	--
Kruger K-6015VT3	4	28998	19.0	0	196.7*	--	--
Producers 7414VT3	6, 7, 8	30237	17.5	1	196.7*	--	--
G2 Genetics 5H-314 RR/HX	5, 7	27562	18.0	0	196.6*	--	--
Mycogen 2T826	4	25046	17.8	1	195.7*	--	--
Fontanelle 8T416	7	27515	19.4	0	195.5*	--	--
Kruger K-2115RR/YGCB	4	28989	19.2	0	195.0*	--	--
Producers 7394VT3	6, 7, 8	27592	17.8	0	194.3*	--	--
Rainbow X1157	6	28013	21.2	0	194.2*	168.5	181.4
Renze 1499VT3	6, 7	27270	18.0	1	194.0*	--	--
Producers 7624VT3	6, 7, 8	28999	19.0	0	193.9*	--	--
Kruger K-6013VT3	4	27985	18.1	0	193.6*	--	--
Fielder's Choice NG 6811	7	26140	18.8	0	192.2*	--	--
LG 2555 VT3	1, 6, 7, 8	27089	16.4	0	191.4*	--	--
G2 Genetics 1H-716 HX/LL	5, 7	28156	20.9	0	191.1*	--	--
AgriGold A6533VT3	6, 7	28391	17.4	2	191.1*	--	--
Taylor EXP C-113-08 VT3	7, 8	27543	17.8	0	190.7*	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	28265	18.0	0	190.6*	--	--
G2 Genetics 1X-716 HXT/LL	5, 7	27399	22.2	1	190.5*	--	--
Bio Gene BG 83V08	6, 7, 8	28751	19.2	2	190.2*	--	--
AgriGold A6489VT3	6, 7	28654	19.0	0	189.7*	--	--
NuTech 3T-115 VT3	5, 7, 6	27868	18.7	0	189.5*	--	--
AgriGold A6632VT3	6, 7	29412	18.7	0	188.8*	--	--
Midwest Seed 79504VT3	4	28498	18.1	0	188.5*	--	--
Stone 7T927VT3	6, 7	29132	17.6	0	188.2*	--	--
Fielder's Choice NG 6834	7	28266	19.3	3	188.1*	--	--
Kruger K-6114VT3	4	28242	18.5	0	187.4*	--	--
G2 Genetics 0A-615	5, 7	28249	18.4	0	187.4*	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	28117	18.3	0	187.3*	--	--
NuTech 3C-317 RR/YGCB	5, 7, 6	28032	20.9	2	186.9*	--	--
Merschman M-314A-10	2, 7, 8	27292	20.3	3	186.8*	--	--
G2 Genetics 5H-508 RR/HX	5, 7	26290	18.6	0	186.7*	--	--
Hubner EX828BRPH	6, 7, 8	27741	20.0	0	185.9*	--	--
Rainbow X1147RRYGCB	6	28090	19.3	1	185.6*	156.6	171.1
NuTech 0C-213 YGCB	4	28635	18.2	0	185.6*	180.8	183.2
NuTech 3T-012 VT3	5, 7, 6	29251	17.5	0	185.2*	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	27613	17.2	1	184.7*	--	--
Mycogen 2Y737	4	28861	19.5	0	184.5*	--	--
NuTech 3C-408 RR/YGCB	5, 7, 6	26658	18.5	1	184.4*	--	--
Midwest Seed 79123VT3	4	28650	17.2	0	184.0*	--	--
Lewis 914 VT3	6, 7, 8	28386	19.0	0	183.9*	--	--
Rainbow 3105YGCB	6	28392	17.4	0	183.6	164.4	174.0

TABLE 3. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 2007 -----bu/acre-----		
Kruger K-5116YGCB	4	27637	18.5	9	183.2	189.7*	186.5
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	29961	19.0	0	182.8	--	--
DEKALB RX785VT3	1, 6, 7, 8	28257	18.1	0	182.8	--	--
Lewis 810 VT3	6, 7, 8	29394	17.3	0	182.2	--	--
MFA MORCORN MC4107VT3	4	27622	17.0	1	181.9	--	--
MFA MORCORN MC4207VT3	4	27256	18.2	0	181.5	--	--
Kruger K-6411VT3	4	29122	17.8	0	181.4	--	--
Kruger K-6111TS	4	27644	17.4	0	181.2	--	--
Lewis 910 CB/RR	6, 7, 8	27977	17.0	1	180.6	--	--
Kruger K-8112HX	4	27260	18.9	0	180.3	--	--
Hubner H5636VT3	6, 7, 8	28996	18.2	0	179.9	--	--
Renze 7409RR2	6, 7	29135	18.5	0	179.9	--	--
Kruger K-6412VT3	4	27025	18.5	1	179.8	--	--
Kruger K-6413VT3	4	28996	17.6	0	178.9	--	--
Hubner H5477PR	6, 7, 8	28230	18.1	0	178.9	--	--
Mycogen 2T783	4	29122	17.9	2	178.9	--	--
G2 Genetics 1H-911 HX/LL	5, 7	28892	18.4	0	178.3	--	--
NuTech 3T-912 VT3	5, 7, 6	27746	17.6	0	178.3	--	--
Midland MG 697BT	7	29495	17.6	0	178.2	--	--
NuTech 3T-110 VT3	5, 7, 6	27283	16.9	0	177.9	--	--
Kruger K-6008VT3	4	29610	16.2	0	177.0	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	27744	18.2	0	177.0	--	--
MFA MORCORN MC4083 RR/CB	4	27510	17.6	0	176.8	165.7	171.3
Merschman M-909C-3	2, 7, 8	29346	17.8	0	176.6	--	--
Kruger K-6517TS	4	25329	18.3	4	176.2	--	--
NuTech 1X-114 HXT/LL	4	28246	19.6	0	176.1	--	--
LG 2620 VT3	1, 6, 7, 8	26285	17.0	0	175.8	--	--
Burrus 6C56	6, 7	26754	17.4	0	175.3	--	--
Midland MG 658HL	7	27337	18.5	0	175.2	--	--
Midland MG 417BT	7	28611	16.0	0	174.7	193.4*	184.1
Pioneer 35F40 (HX1,LL,RR2)	1, 5, 6, 7	27626	16.5	0	174.6	--	--
Stone 7T231VT3	6, 7	28526	17.5	0	174.6	--	--
Fontanelle 8T266	7	28361	18.2	1	174.4	--	--
Rainbow 3158YGCB	6	29387	18.3	0	174.4	137.3	155.9
AgriGold 6399VT3	6, 7	26788	17.4	1	174.0	--	--
Taylor EXP C-112-08 VT3	7, 8	25014	17.8	3	174.0	--	--
Burrus 573T	6, 7	27492	17.1	0	173.3	--	--
Kruger K-6212TS	4	27710	17.4	1	173.0	--	--
Lewis 912 CB	6, 7, 8	24273	18.4	0	172.6	--	--
Bio Gene BG 82V08	6, 7, 8	29273	18.0	0	172.4	--	--
NuTech 3C-414 RR/YGCB	4	26759	18.3	5	172.2	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	28880	16.5	3	171.7	--	--
Kruger K-7010YGPL	4	28623	16.8	1	171.4	--	--
NuTech 3T-109 VT3	4	28921	17.8	0	170.9	--	--
NuTech 0C-413 YGCB	5, 7, 6	28844	17.6	0	170.8	165.2	168.0
Stone 7T202VT3	6, 7	27745	17.0	0	170.3	--	--
Renze 1399VT3	6, 7	27269	17.2	1	170.2	--	--
G2 Genetics 1X-911 HXT/LL	5, 7	27529	18.2	0	170.1	--	--
Kruger K-5213YGCB	4	29645	17.7	0	170.1	--	--
G2 Genetics 1H-715 HX/LL	5, 7	28862	19.6	2	169.9	--	--
Fontanelle 8B467	7	27394	17.9	6	169.4	189.2*	179.3
Lewis 813 VT3	6, 7, 8	27739	18.0	7	169.2	--	--

TABLE 3. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
Rainbow 3142YGCB	6	27971	17.4	0	168.9	186.6*	177.8
Dyna-Gro CXO8216	1, 6, 7, 8	29739	18.7	0	168.9	--	--
Bio Gene BG 84V09	6, 7, 8	29610	19.2	0	168.7	--	--
Kruger K-9414RR/HXT	4	26001	19.4	0	168.6	--	--
Taylor 2230 HX	7, 8	29245	17.9	0	168.3	--	--
NuTech 3P-708 RR/YGPL	5, 7, 6	28857	16.5	0	168.2	--	--
Hubner H5582VT3	6, 7, 8	28135	18.2	0	168.1	--	--
Rainbow X1107VT3	6	25997	18.2	0	168.1	--	--
NuTech 3T-514 VT3	5, 7, 6	27674	19.0	0	168.0	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	26516	18.8	1	168.0	--	--
G2 Genetics 5H-212 RR/HX	5, 7	28131	20.2	1	167.8	--	--
Renze 5X389HXT/LL	6, 7	28156	18.3	3	166.6	--	--
Fontanelle 7K733	7	28503	17.6	0	166.4	--	--
Merschman M-711E-10	2, 7, 8	27540	16.6	0	165.9	--	--
MFA MORCORN MC4007VT3	4	25801	17.6	0	165.8	--	--
Kruger K-8616HX	4	28371	18.5	12	165.5	195.1*	180.3
MFA MORCORN MC4507VT3	4	28112	19.2	0	164.6	--	--
Fontanelle 8T339	7	28903	17.3	3	164.4	--	--
G2 Genetics 3A-513 RR	5, 7	26900	17.5	1	164.4	--	--
Rainbow X1078	6	28928	16.1	1	164.3	--	--
Power Plus 4K74	6, 7	27246	17.6	0	164.0	--	--
Dyna-Gro 57V44	1, 6, 7, 8	26498	15.9	0	163.9	--	--
Kruger K-6210TS	4	25785	17.6	0	163.1	--	--
Taylor 644 RR	7, 8	27015	17.5	0	160.9	171.6	166.3
Midland MG 436BT	7	28622	16.3	0	159.8	176.8	168.3
NuTech 3T-710 VT3	5, 7, 6	28002	15.9	2	158.8	--	--
Merschman M-913C-10	2, 7, 8	28854	18.4	0	154.8	--	--
Fielder's Choice NG 6820	7	28858	18.2	0	154.3	--	--
Renze 1526VT3	6, 7	27783	17.9	5	154.1	--	--
DEKALB DKC62-99 (RR2/YGCB	1, 6, 7, 8	27514	16.9	2	153.1	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	29000	16.4	0	152.0	--	--
NuTech 5X-512 RR/HXT	4	26514	18.5	15	142.7	--	--
TEST AVERAGE		27979	18.1	1	177.9	170.8	174.4
L.S.D. AT .10		1867	1.3	3	19.5	24.3	
C.V. %		4.9	5.0		7.8	10.2	

-- Data not available.

** Highest yielding hybrid in the test.

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

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 4. Non-Irrigated Corn Test

North Region: Mooresville, MO (Livingston County)

Soil Type: Grundy Silt Loam Soil Test: pH=6.7, OM=2.8%, P=24, K=234

European Corn Borer Rating: Damaged Plants=40%, Tunnel Length/Plant=0.7 in.

Rainfall: May=5.0, June=8.3, July=6.6, Aug.=2.2,Sept.=9.4 Total=31.4

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
					-----bu/acre-----		
Merschman M-314A-10	2, 7, 8	29438	20.7	0	261.9**	--	--
AgriGold A6479VT3	6, 7	30529	19.2	0	261.6*	--	--
G2 Genetics 1X-716 HXT/LL	5, 7	29425	20.7	0	261.3*	--	--
Merschman M-711E-10	2, 7, 8	29826	17.9	0	256.2*	--	--
G2 Genetics 1H-715 HX/LL	5, 7	27722	21.2	0	255.9*	--	--
Renze 5X389HXT/LL	6, 7	28444	18.2	0	255.4*	--	--
Kruger K-6210TS	4	30013	17.9	0	254.4*	--	--
Kruger K-6114VT3	4	30386	20.0	0	254.0*	--	--
AgriGold A6533VT3	6, 7	29114	19.0	0	253.0*	--	--
AgriGold A6632VT3	6, 7	29451	21.1	0	252.9*	--	--
NuTech 0C-213 YGCB	4	28879	20.6	0	252.9*	163.0*	208.0
NuTech 3T-115 VT3	5, 7, 6	29128	20.9	0	252.7*	--	--
Midland MG 417BT	7	31197	19.5	0	252.4*	148.4*	200.4
Kruger K-6013VT3	4	29807	20.0	0	251.9*	--	--
Kruger K-6111TS	4	30464	19.1	0	251.9*	--	--
Renze 1526VT3	6, 7	29830	20.8	0	251.9*	--	--
Rainbow X1157	6	29789	19.6	0	251.5*	120.8	186.2
Fielder's Choice NG 6820	7	28073	18.7	0	251.3*	--	--
G2 Genetics 1H-716 HX/LL	5, 7	27991	20.7	0	251.2*	--	--
Kruger K-9414RR/HXT	4	28485	21.0	0	251.1*	--	--
Producers 7414VT3	6, 7, 8	29517	20.0	0	250.9*	--	--
MFA MORCORN MC420VT3	4	28969	19.4	0	250.6*	--	--
Midwest Seed 79504VT3	4	30005	19.8	0	250.6*	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	30018	18.9	0	250.5*	--	--
NuTech 1X-114 HXT/LL	4	28732	20.9	0	250.5*	--	--
Lewis 914 VT3	6, 7, 8	29909	18.3	0	250.0*	--	--
Taylor EXP C-113-08 VT3	7, 8	30763	18.1	0	249.9*	--	--
Midwest Seed 79123VT3	4	29057	21.0	0	249.9*	--	--
NuTech 0C-413 YGCB	5, 7, 6	30100	19.4	0	249.6*	131.9	190.8
Renze 1499VT3	6, 7	28842	21.1	0	249.3*	--	--
NuTech 3T-315 VT3	7	29492	22.0	0	248.9*	--	--
Stone 7T927VT3	6, 7	29041	18.2	0	248.5*	--	--
Midland MG 658HL	7	29939	19.3	0	248.1*	--	--
Kruger K-5116YGCB	4	28255	19.5	0	247.5*	138.8	193.2
NuTech 3C-317 RR/YGCB	5, 7, 6	29136	21.7	0	247.5*	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	30111	19.3	0	247.2*	--	--
Bio Gene BG 84V09	6, 7, 8	29129	19.4	0	246.5*	--	--
Hubner H5582VT3	6, 7, 8	30264	17.8	0	246.2*	--	--
NuTech 3C-414 RR/YGCB	4	29978	20.1	0	246.2*	--	--
NuTech 3T-110 VT3	5, 7, 6	29440	18.7	0	246.1*	--	--
Kruger K-5213YGCB	4	28891	18.5	0	245.9*	--	--
Kruger K-6517TS	4	28766	21.1	0	245.8*	--	--
LG 2620 VT3	1, 6, 7, 8	28684	19.7	0	245.5*	--	--
Mycogen 2T826	4	28857	21.1	0	245.3*	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	29948	18.0	0	245.2*	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	28527	17.4	0	244.7*	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	30381	19.1	0	244.2*	--	--
G2 Genetics 1X-911 HXT/LL	5, 7	29200	18.6	0	243.5*	--	--
Bio Gene BG 83V08	6, 7, 8	29292	22.3	0	243.4*	--	--
Producers 7624VT3	6, 7, 8	29916	20.6	0	243.0*	--	--
Lewis 912 CB	6, 7, 8	29139	17.3	0	242.9*	--	--
Lewis 910 CB/RR	6, 7, 8	29930	18.9	0	242.4*	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	29735	18.8	0	242.1*	--	--
Producers 7394VT3	6, 7, 8	28722	19.5	0	241.8*	--	--
LG 2555 VT3	1, 6, 7, 8	28973	18.4	0	241.3*	--	--
Taylor 644 RR	7, 8	29187	19.0	0	241.1*	155.6*	198.4
LG 2642 VT3	1, 6, 7, 8	29399	19.8	0	240.8*	--	--
Midland MG 779BT	7	30623	21.9	0	240.6*	--	--
Mycogen 2T783	4	29695	20.8	0	240.2*	--	--
G2 Genetics 1H-911 HX/LL	5, 7	29082	18.0	0	240.2*	--	--
Merschman M-909C-3	2, 7, 8	30083	18.4	0	240.2*	--	--
Fontanelle 7K733	7	30166	20.2	0	240.1	--	--
Kruger K-6212TS	4	28743	19.1	0	239.7	--	--
DEKALB DKC62-99 (RR2/YGCB	1, 6, 7, 8	28566	18.9	0	239.5	--	--
Kruger K-2115RR/YGCB	4	29487	19.3	0	239.3	--	--
AgriGold A6489VT3	6, 7	29368	19.4	0	239.2	--	--
DEKALB RX785VT3	1, 6, 7, 8	31314	18.1	0	238.2	--	--
Fontanelle 8T339	7	29162	18.3	0	238.1	--	--
Fontanelle 8T266	7	29718	18.4	0	238.0	--	--
Burrus 573T	6, 7	30198	17.4	0	237.7	--	--
NuTech 3T-514 VT3	5, 7, 6	29842	19.0	0	237.7	--	--
Rainbow X1107VT3	6	28560	17.9	0	236.9	--	--
Rainbow X1147RRYGCB	6	28948	19.7	0	235.9	137.0	186.5
Hubner H5477PR	6, 7, 8	28386	18.2	0	235.8	--	--
Lewis 810 VT3	6, 7, 8	29880	16.8	0	235.5	--	--
NuTech 3T-109 VT3	4	27614	18.6	0	235.4	--	--
Fontanelle 8T416	7	28550	20.1	0	235.2	--	--
Rainbow 3142YGCB	6	28189	17.4	0	235.1	146.2*	190.7
G2 Genetics 5H-314 RR/HX	5, 7	27411	19.8	0	234.7	--	--
Renze 1399VT3	6, 7	27939	19.4	0	234.3	--	--
Fontanelle 8B467	7	27793	19.3	0	234.1	147.5*	190.8
Stone 7T231VT3	6, 7	29563	16.4	0	233.9	--	--
Kruger K-6412VT3	4	30271	18.3	0	233.8	--	--
Kruger K-6015VT3	4	29796	19.6	0	233.6	--	--
Kruger K-6411VT3	4	28776	18.5	0	233.5	--	--
Midland MG 436BT	7	29005	18.0	0	233.5	138.2	185.9
Stone 7T202VT3	6, 7	29736	17.6	0	233.4	--	--
Kruger K-8616HX	4	29600	20.2	0	233.2	147.6*	190.4
Mycogen 2Y737	4	28333	19.8	0	233.1	--	--
Burrus 6C56	6, 7	27455	19.7	0	233.0	--	--
Bio Gene BG 82V08	6, 7, 8	30052	18.6	0	232.9	--	--
Midland MG 697BT	7	29546	21.3	0	232.8	--	--
Power Plus 4K74	6, 7	28521	17.9	0	232.6	--	--
MFA MORCORN MC4007VT3	4	28692	17.7	0	232.1	--	--
NuTech 3T-012 VT3	5, 7, 6	30205	17.4	0	232.0	--	--
MFA MORCORN MC4107VT3	4	29867	17.2	0	231.5	--	--
Fielder's Choice NG 6811	7	28310	19.7	0	230.7	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
Dyna-Gro 57V44	1, 6, 7, 8	27664	18.5	0	230.6	--	--
MFA MORCORN MC4083 RR/CB	4	28962	18.6	0	230.3	144.0*	187.2
G2 Genetics 5H-212 RR/HX	5, 7	27692	19.0	0	230.0	--	--
Renze 7409RR2	6, 7	29534	19.5	0	229.7	--	--
Taylor 2230 HX	7, 8	28575	20.4	0	229.3	--	--
Kruger K-6008VT3	4	29442	17.7	0	229.1	--	--
Kruger K-7010YGPL	4	29069	17.9	0	228.4	--	--
NuTech 5X-512 RR/HXT	4	27713	18.5	0	227.7	--	--
Rainbow X1078	6	29468	18.7	0	227.7	--	--
Dyna-Gro CXO8216	1, 6, 7, 8	28363	19.4	0	227.2	--	--
AgriGold 6399VT3	6, 7	29541	18.5	0	227.1	--	--
NuTech 3P-708 RR/YGPL	5, 7, 6	29770	17.5	0	227.0	--	--
Rainbow 3158YGCB	6	27884	20.9	0	226.8	136.0	181.4
Taylor EXP C-112-08 VT3	7, 8	26181	18.8	0	225.1	--	--
G2 Genetics 3A-513 RR	5, 7	27815	17.5	0	223.7	--	--
G2 Genetics 5H-508 RR/HX	5, 7	27581	17.8	0	222.1	--	--
Kruger K-6413VT3	4	31139	17.2	0	221.8	--	--
Pioneer 35F40 (HX1,LL,RR2)	1, 5, 6, 7	29184	16.4	0	221.1	--	--
NuTech 3T-710 VT3	5, 7, 6	29877	17.9	0	220.8	--	--
Hubner EX828BRPH	6, 7, 8	26495	19.8	0	220.7	--	--
Fielder's Choice NG 6834	7	25689	20.2	0	220.6	--	--
NuTech 3C-408 RR/YGCB	5, 7, 6	28418	17.9	0	220.2	--	--
Hubner H5636VT3	6, 7, 8	27935	18.7	0	220.2	--	--
G2 Genetics 0A-615	5, 7	28226	17.9	0	218.9	--	--
Kruger K-8112HX	4	29359	19.9	0	218.7	--	--
Merschman M-913C-10	2, 7, 8	29537	18.9	0	215.2	--	--
NuTech 3T-912 VT3	5, 7, 6	29373	18.2	0	214.2	--	--
Lewis 813 VT3	6, 7, 8	28028	16.9	0	214.2	--	--
MFA MORCORN MC4507VT3	4	28982	19.4	0	208.9	--	--
Rainbow 3105YGCB	6	28272	19.8	0	206.1	147.6*	176.9
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	25318	17.7	0	204.2	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	28304	18.4	0	203.4	--	--
TEST AVERAGE		29090	19.1	0	238.1	142.7	190.4
L.S.D. AT .10		1660	1.1	0	21.7	26.4	
C.V. %		4.1	4.1		6.5	13.1	

-- Data not available.

** Highest yielding hybrid in the test.

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

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 5. Non-Irrigated Corn Test

North Region: Novelty, MO (Knox County)

Soil Type: Putman Silt Loam Soil Test: pH=6.4, OM=1.9%, P=48, K=414

European Corn Borer Rating: Damaged Plants=90%, Tunnel Length/Plant=1.2 in.

Rainfall: May=4.4, June=10.1, July=10.7, Aug.=4.2,Sept.=7.9 Total=37.3

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
					-----bu/acre-----		
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	30022	14.5	25	180.2**	--	--
Fielder's Choice NG 6834	7	27497	16.2	25	177.8*	--	--
MFA MORCORN MC4107VT3	4	30254	13.6	19	176.9*	--	--
LG 2642 VT3	1, 6, 7, 8	30769	16.8	33	173.9*	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	27389	16.0	4	172.9*	--	--
Kruger K-2115RR/YGCB	4	29494	14.6	21	172.2*	--	--
Hubner EX828BRPH	6, 7, 8	28402	17.2	27	171.9*	--	--
Producers 7414VT3	6, 7, 8	29875	15.4	29	171.7*	--	--
Midland MG 779BT	7	29853	16.3	19	170.9*	--	--
G2 Genetics 5H-212 RR/HX	5, 7	28263	16.0	8	169.1*	--	--
Lewis 914 VT3	6, 7, 8	29886	12.6	41	169.0*	--	--
Pioneer 35F40 (HX1,LL,RR2)	1, 5, 6, 7	29744	14.3	3	169.0*	--	--
DEKALB DKC62-99 (RR2/YGCB)	1, 6, 7, 8	29259	14.0	15	168.9*	--	--
G2 Genetics 5H-314 RR/HX	5, 7	29630	15.5	5	168.1*	--	--
Producers 7624VT3	6, 7, 8	30117	15.9	36	167.3*	--	--
AgriGold A6489VT3	6, 7	29855	14.9	42	167.1*	--	--
DEKALB RX785VT3	1, 6, 7, 8	30482	14.1	23	165.1*	--	--
NuTech 3T-315 VT3	7	28878	15.8	14	164.8*	--	--
Hubner H5636VT3	6, 7, 8	30876	15.4	16	164.8*	--	--
Stone 7T927VT3	6, 7	29140	13.1	11	164.0*	--	--
Producers 7394VT3	6, 7, 8	30850	15.0	5	163.9*	--	--
Kruger K-6008VT3	4	28881	14.4	18	163.6*	--	--
Kruger K-6413VT3	4	30492	13.8	19	163.4*	--	--
Renze 7409RR2	6, 7	30236	15.2	11	162.6*	--	--
Renze 1499VT3	6, 7	28997	17.0	42	161.0*	--	--
LG 2620 VT3	1, 6, 7, 8	29120	16.8	32	161.0*	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	30376	14.0	25	160.8*	--	--
AgriGold A6632VT3	6, 7	29369	16.2	48	160.5*	--	--
Taylor EXP C-112-08 VT3	7, 8	27619	13.9	45	160.3	--	--
Kruger K-6412VT3	4	30996	15.6	17	160.3	--	--
Merschman M-909C-3	2, 7, 8	30117	14.0	9	159.9	--	--
Power Plus 4K74	6, 7	28883	14.7	15	159.6	--	--
Mycogen 2Y737	4	30735	13.8	41	159.2	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	30895	16.2	39	159.1	--	--
NuTech 3T-912 VT3	5, 7, 6	29358	14.9	10	158.9	--	--
Fontanelle 8T339	7	30127	13.9	22	158.7	--	--
Lewis 813 VT3	6, 7, 8	30746	13.3	10	158.5	--	--
Lewis 910 CB/RR	6, 7, 8	30975	13.6	31	158.3	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	27744	15.4	17	157.4	--	--
G2 Genetics 3A-513 RR	5, 7	27653	14.5	19	157.1	--	--
G2 Genetics 1X-716 HXT/LL	5, 7	29134	20.0	21	157.0	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	30256	15.8	5	156.9	--	--
Kruger K-8112HX	4	29862	14.3	36	156.6	--	--
AgriGold A6479VT3	6, 7	30121	14.9	59	155.2	--	--
NuTech 3C-414 RR/YGCB	4	29513	15.9	6	155.1	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 2007 -----bu/acre-----		
Taylor EXP C-113-08 VT3	7, 8	29869	13.5	8	155.0	--	--
MFA MORCORN MC4207VT3	4	30989	12.9	41	154.9	--	--
Rainbow 3158YGCB	6	29894	15.6	33	154.5	107.3	130.9
Kruger K-8616HX	4	29370	15.0	29	154.1	147.8*	151.0
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	29879	13.4	1	154.1	--	--
Stone 7T202VT3	6, 7	30612	13.7	28	154.0	--	--
G2 Genetics 1H-911 HX/LL	5, 7	28631	15.2	29	153.7	--	--
Fontanelle 8T266	7	29981	15.5	11	153.3	--	--
Kruger K-6114VT3	4	30260	16.5	33	152.7	--	--
Midwest Seed 79504VT3	4	29623	14.6	48	152.6	--	--
AgriGold A6533VT3	6, 7	28986	15.4	24	152.3	--	--
NuTech 3T-012 VT3	5, 7, 6	30234	13.8	20	152.2	--	--
Bio Gene BG 83V08	6, 7, 8	29367	15.9	34	152.0	--	--
G2 Genetics 1H-715 HX/LL	5, 7	28904	17.0	33	152.0	--	--
NuTech 3C-408 RR/YGCB	5, 7, 6	29135	14.0	13	151.8	--	--
G2 Genetics 1H-716 HX/LL	5, 7	27884	17.7	28	151.6	--	--
Kruger K-6210TS	4	31129	14.8	58	151.6	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	29632	13.8	31	150.9	--	--
Lewis 912 CB	6, 7, 8	30727	15.2	14	150.7	--	--
AgriGold 6399VT3	6, 7	29749	13.2	12	150.2	--	--
Fielder's Choice NG 6811	7	27871	15.7	7	149.3	--	--
G2 Genetics 5H-508 RR/HX	5, 7	27745	14.4	0	148.9	--	--
G2 Genetics 0A-615	5, 7	27760	14.1	27	148.9	--	--
Fontanelle 8T416	7	29858	15.7	19	148.8	--	--
Taylor 2230 HX	7, 8	29372	14.2	34	148.7	--	--
NuTech 1X-114 HXT/LL	4	30124	16.0	47	148.6	--	--
Kruger K-6212TS	4	27379	15.2	35	148.3	--	--
Fielder's Choice NG 6820	7	30405	14.1	7	148.3	--	--
Burrus 573T	6, 7	29980	13.7	45	148.1	--	--
Kruger K-6015VT3	4	29746	15.5	27	148.1	--	--
Stone 7T231VT3	6, 7	29742	13.0	14	147.8	--	--
MFA MORCORN MC4083 RR/CB	4	28736	14.4	65	147.4	138.9	143.2
Kruger K-6411VT3	4	29504	12.8	17	147.2	--	--
Merschman M-314A-10	2, 7, 8	29754	17.5	63	147.0	--	--
Hubner H5582VT3	6, 7, 8	30116	13.8	27	146.7	--	--
Midwest Seed 79123VT3	4	29733	13.8	24	146.5	--	--
G2 Genetics 1X-911 HXT/LL	5, 7	29237	15.7	18	146.3	--	--
Rainbow X1147RRYGCB	6	28996	13.7	52	146.3	120.0	133.2
Kruger K-6013VT3	4	30236	14.0	30	146.2	--	--
Kruger K-6111TS	4	29757	15.0	41	145.8	--	--
Rainbow 3142YGCB	6	28893	14.0	45	145.8	134.5	140.2
Rainbow 3105YGCB	6	28880	14.6	25	145.2	130.5	137.9
NuTech 3T-110 VT3	5, 7, 6	29386	13.1	35	144.3	--	--
Kruger K-7010YGPL	4	30369	13.0	10	144.0	--	--
Mycogen 2T826	4	30886	16.0	54	143.9	--	--
Midland MG 658HL	7	30505	14.7	13	143.1	--	--
Rainbow X1157	6	30006	17.0	13	142.8	121.2	132.0
Lewis 810 VT3	6, 7, 8	30005	11.8	56	141.8	--	--
Renze 1399VT3	6, 7	28512	13.5	30	141.8	--	--
NuTech 0C-213 YGCB	4	30502	15.6	49	141.4	139.8	140.6
Kruger K-5116YGCB	4	29367	14.9	42	141.1	97.3	119.2
Fontanelle 8B467	7	30501	16.2	34	140.5	96.5	118.5

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
Kruger K-5213YGCB	4	29987	14.2	49	140.3	--	--
MFA MORCORN MC4007VT3	4	28882	14.3	48	139.2	--	--
Rainbow X1107VT3	6	29275	14.7	47	138.4	--	--
NuTech 0C-413 YGCB	5, 7, 6	28885	14.2	29	138.3	136.1	137.2
LG 2555 VT3	1, 6, 7, 8	30129	15.2	56	138.2	--	--
Rainbow X1078	6	29744	13.7	57	137.6	--	--
Bio Gene BG 84V09	6, 7, 8	31220	14.6	38	137.4	--	--
Kruger K-6517TS	4	29009	15.8	62	137.0	--	--
Midland MG 436BT	7	29888	13.9	41	136.4	119.6	128.0
NuTech 3P-708 RR/YGPL	5, 7, 6	28624	13.4	19	135.9	--	--
Midland MG 697BT	7	29629	14.4	34	135.7	--	--
Merschman M-711E-10	2, 7, 8	29516	14.5	39	135.4	--	--
NuTech 3T-115 VT3	5, 7, 6	29127	15.1	54	134.8	--	--
Fontanelle 7K733	7	28984	14.6	35	134.3	--	--
NuTech 3T-514 VT3	5, 7, 6	30478	15.5	46	133.3	--	--
Kruger K-9414RR/HXT	4	28878	15.3	47	131.9	--	--
Renze 1526VT3	6, 7	29508	15.9	49	131.3	--	--
Dyna-Gro 57V44	1, 6, 7, 8	27004	13.9	52	131.2	--	--
Hubner H5477PR	6, 7, 8	29120	16.0	53	127.4	--	--
Midland MG 417BT	7	29401	14.3	61	125.6	109.3	117.5
Burrus 6C56	6, 7	29505	14.1	60	125.2	--	--
Bio Gene BG 82V08	6, 7, 8	28772	15.6	59	125.1	--	--
MFA MORCORN MC4507VT3	4	29744	14.8	40	124.6	--	--
Taylor 644 RR	7, 8	29234	14.4	14	124.5	149.0*	136.8
NuTech 3C-317 RR/YGCB	5, 7, 6	29015	18.0	43	122.7	--	--
Mycogen 2T783	4	30372	17.7	58	121.7	--	--
Dyna-Gro CXO8216	1, 6, 7, 8	30632	14.0	47	121.6	--	--
NuTech 3T-710 VT3	5, 7, 6	29385	17.0	79	121.4	--	--
NuTech 5X-512 RR/HXT	4	28245	14.1	23	119.6	--	--
Merschman M-913C-10	2, 7, 8	28998	13.7	30	116.3	--	--
Renze 5X389HXT/LL	6, 7	28502	14.0	18	112.2	--	--
NuTech 3T-109 VT3	4	29125	14.3	54	106.0	--	--
TEST AVERAGE		29537	14.9	31	149.3	128.1	138.7
L.S.D. AT .10		1296	1.5	28	19.8	19.7	
C.V. %		3.2	7.5		9.7	10.8	

-- Data not available.

** Highest yielding hybrid in the test.

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

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 6. Performance Summary for Non-Irrigated Hybrids evaluated at Four North Missouri locations (Craig, Albany, Mooresville, Novelty) during 2008.

Craig
Planted: 05-14/15
Harvested: 10-28
Growing Season Rainfall: 20.5
Irrigation:

Albany
Planted: 05-15
Harvested: 10-13
Growing Season Rainfall: 23.1
Irrigation:

Mooresville
Planted: 05-01
Harvested: 10-6
Growing Season Rainfall: 31.4
Irrigation:

Novelty
Planted: 05-29
Harvested: 11-14
Growing Season Rainfall: 37.3
Irrigation:

Brand-Hybrid	Yield (Bu/Acre)				
	Craig	Albany	Mooresville	Novelty	Mean
Non-Irrigated					
Producers 7414VT3	202.8**	196.7*	250.9*	171.7*	205.5**
LG 2642 VT3	192.4*	203.2**	240.8*	173.9*	202.6*
NuTech 3T-315 VT3	186.8*	203.2**	248.9*	164.8*	200.9*
AgriGold A6632VT3	200.3*	188.8*	252.9*	160.5*	200.6*
Kruger K-2115RR/YGCB	190.2*	195.0*	239.3	172.2*	199.2*
Producers 7624VT3	190.1*	193.9*	243.0*	167.3*	198.6*
Midland MG 779BT	183.7*	197.8*	240.6*	170.9*	198.2*
AgriGold A6479VT3	178.3	197.5*	261.6*	155.2	198.2*
Lewis 914 VT3	189.3*	183.9*	250.0*	169.0*	198.0*
Renze 1499VT3	187.2*	194.0*	249.3*	161.0*	197.9*
Producers 7394VT3	188.7*	194.3*	241.8*	163.9*	197.2*
G2 Genetics 1H-716 HX/LL	192.1*	191.1*	251.2*	151.6	196.5*
AgriGold A6533VT3	188.8*	191.1*	253.0*	152.3	196.3*
Midwest Seed 79504VT3	189.5*	188.5*	250.6*	152.6	195.3
MFA MORCORN MC4107VT3	189.2*	181.9	231.5	176.9*	194.9
LG 2620 VT3	195.5*	175.8	245.5*	161.0*	194.4
Merschman M-314A-10	179.8	186.8*	261.9**	147.0	193.9
Lewis 910 CB/RR	193.6*	180.6	242.4*	158.3	193.7
Rainbow X1157	184.8*	194.2*	251.5*	142.8	193.3
Kruger K-6013VT3	181.3	193.6*	251.9*	146.2	193.2
Taylor EXP C-113-08 VT3	176.8	190.7*	249.9*	155.0	193.1
AgriGold A6489VT3	173.1	189.7*	239.2	167.1*	192.3
Pioneer 33K44 (HX1,LL,RR2)	180.0	182.8	247.2*	159.1	192.3
Bio Gene BG 83V08	182.6	190.2*	243.4*	152.0	192.0
NuTech 1X-114 HXT/LL	191.9*	176.1	250.5*	148.6	191.8
G2 Genetics 5H-314 RR/HX	167.5	196.6*	234.7	168.1*	191.7
DEKALB DKC61-69 (VT3)	183.1	184.7*	244.7*	154.1	191.6
Merschman M-909C-3	189.7*	176.6	240.2*	159.9	191.6
Kruger K-6114VT3	171.1	187.4*	254.0*	152.7	191.3
G2 Genetics 1X-716 HXT/LL	155.4	190.5*	261.3*	157.0	191.0
DEKALB DKC65-44 (VT3)	172.4	190.6*	244.2*	156.9	191.0
Fielder's Choice NG 6834	177.5	188.1*	220.6	177.8*	191.0
Kruger K-6015VT3	185.1*	196.7*	233.6	148.1	190.9
NuTech 3T-110 VT3	194.2*	177.9	246.1*	144.3	190.6
Stone 7T927VT3	160.6	188.2*	248.5*	164.0*	190.3
NuTech 3C-414 RR/YGCB	187.3*	172.2	246.2*	155.1	190.2
DEKALB RX785VT3	173.0	182.8	238.2	165.1*	189.8
Pioneer 33T57 (HX1,LL,RR2)	194.8*	187.3*	203.4	172.9*	189.6
DEKALB DKC63-42 (VT3)	174.9	171.7	250.5*	160.8*	189.5
NuTech 0C-213 YGCB	177.9	185.6*	252.9*	141.4	189.4

Table 6. Continued.

Brand-Hybrid	Yield (Bu/Acre)				
	Craig	Albany	Mooreville	Novelty	Mean
Non-Irrigated					
LG 2555 VT3	186.0*	191.4*	241.3*	138.2	189.2
Hubner EX828BRPH	178.1	185.9*	220.7	171.9*	189.1
Kruger K-6111TS	177.4	181.2	251.9*	145.8	189.1
Fontanelle 8T416	176.7	195.5*	235.2	148.8	189.0
NuTech 3T-012 VT3	186.8*	185.2*	232.0	152.2	189.0
Kruger K-8616HX	202.7*	165.5	233.2	154.1	188.9
NuTech 0C-413 YGCB	196.1*	170.8	249.6*	138.3	188.7
Midwest Seed 79123VT3	172.7	184.0*	249.9*	146.5	188.3
Mycogen 2T826	168.1	195.7*	245.3*	143.9	188.2
G2 Genetics 1H-911 HX/LL	180.0	178.3	240.2*	153.7	188.0
NuTech 3T-115 VT3	175.2	189.5*	252.7*	134.8	188.0
G2 Genetics 5H-212 RR/HX	184.9*	167.8	230.0	169.1*	188.0
Pioneer 35F40 (HX1,LL,RR2)	187.0*	174.6	221.1	169.0*	187.9
Stone 7T231VT3	195.4*	174.6	233.9	147.8	187.9
MFA MORCORN MC4207VT3	163.9	181.5	250.6*	154.9	187.7
Rainbow X1147RRYGCB	182.9	185.6*	235.9	146.3	187.7
Kruger K-5116YGCB	178.3	183.2	247.5*	141.1	187.5
Kruger K-6411VT3	187.1*	181.4	233.5	147.2	187.3
Renze 7409RR2	176.5	179.9	229.7	162.6*	187.2
Hubner H5582VT3	187.4*	168.1	246.2*	146.7	187.1
Mycogen 2Y737	171.5	184.5*	233.1	159.2	187.1
Kruger K-6210TS	177.7	163.1	254.4*	151.6	186.7
Kruger K-5213YGCB	189.6*	170.1	245.9*	140.3	186.5
Hubner H5636VT3	180.4	179.9	220.2	164.8*	186.3
Taylor EXP C-112-08 VT3	185.1*	174.0	225.1	160.3	186.1
Stone 7T202VT3	186.7*	170.3	233.4	154.0	186.1
G2 Genetics 0A-615	188.8*	187.4*	218.9	148.9	186.0
AgriGold 6399VT3	190.7*	174.0	227.1	150.2	185.5
Kruger K-6008VT3	171.3	177.0	229.1	163.6*	185.2
Dyna-Gro CXO8514	179.8	168.0	242.1*	150.9	185.2
Lewis 912 CB	174.4	172.6	242.9*	150.7	185.1
Rainbow 3158YGCB	184.3*	174.4	226.8	154.5	185.0
DEKALB DKC64-24 (VT3)	161.9	152.0	245.2*	180.2**	184.8
Kruger K-6212TS	178.0	173.0	239.7	148.3	184.8
Fielder's Choice NG 6811	166.7	192.2*	230.7	149.3	184.7
Kruger K-6412VT3	164.5	179.8	233.8	160.3	184.6
G2 Genetics 1H-715 HX/LL	160.0	169.9	255.9*	152.0	184.4
Kruger K-9414RR/HXT	185.8*	168.6	251.1*	131.9	184.4
Fontanelle 8T266	171.3	174.4	238.0	153.3	184.2
Fontanelle 8T339	174.6	164.4	238.1	158.7	184.0
NuTech 3C-317 RR/YGCB	178.7	186.9*	247.5*	122.7	183.9
DEKALB DKC62-99 (RR2/YGCB)	174.0	153.1	239.5	168.9*	183.9
Kruger K-6413VT3	170.2	178.9	221.8	163.4*	183.6
NuTech 3C-408 RR/YGCB	176.6	184.4*	220.2	151.8	183.2
Kruger K-6517TS	173.8	176.2	245.8*	137.0	183.2
Burrus 573T	173.0	173.3	237.7	148.1	183.0
Midland MG 417BT	179.4	174.7	252.4*	125.6	183.0
G2 Genetics 5H-508 RR/HX	173.6	186.7*	222.1	148.9	182.8
MFA MORCORN MC4083 RR/CB	176.6	176.8	230.3	147.4	182.8
Lewis 810 VT3	171.2	182.2	235.5	141.8	182.7

Table 6. Continued.

Brand-Hybrid	Yield (Bu/Acre)				
	Craig	Albany	Mooresville	Novelty	Mean
Non-Irrigated					
Midland MG 658HL	161.2	175.2	248.1*	143.1	181.9
G2 Genetics 1X-911 HXT/LL	167.3	170.1	243.5*	146.3	181.8
NuTech 3T-912 VT3	174.3	178.3	214.2	158.9	181.4
Pioneer 34R67 (HX1,LL,RR2)	184.7*	177.0	204.2	157.4	180.8
Rainbow 3142YGCB	173.1	168.9	235.1	145.8	180.7
Kruger K-8112HX	167.0	180.3	218.7	156.6	180.6
Merschman M-711E-10	164.9	165.9	256.2*	135.4	180.6
Power Plus 4K74	166.1	164.0	232.6	159.6	180.6
Bio Gene BG 84V09	166.7	168.7	246.5*	137.4	179.8
Fontanelle 7K733	175.4	166.4	240.1	134.3	179.0
Taylor 2230 HX	167.8	168.3	229.3	148.7	178.5
Mycogen 2T783	171.9	178.9	240.2*	121.7	178.2
G2 Genetics 3A-513 RR	165.1	164.4	223.7	157.1	177.6
Rainbow 3105YGCB	175.3	183.6	206.1	145.2	177.6
Lewis 813 VT3	167.4	169.2	214.2	158.5	177.3
Fielder's Choice NG 6820	154.6	154.3	251.3*	148.3	177.1
Hubner H5477PR	166.1	178.9	235.8	127.4	177.0
Fontanelle 8B467	164.1	169.4	234.1	140.5	177.0
MFA MORCORN MC4007VT3	170.3	165.8	232.1	139.2	176.8
Renze 1399VT3	159.5	170.2	234.3	141.8	176.4
Taylor 644 RR	178.4	160.9	241.1*	124.5	176.2
Kruger K-7010YGPL	161.1	171.4	228.4	144.0	176.2
Bio Gene BG 82V08	174.2	172.4	232.9	125.1	176.1
Renze 1526VT3	166.0	154.1	251.9*	131.3	175.8
Midland MG 697BT	153.6	178.2	232.8	135.7	175.1
NuTech 3P-708 RR/YGPL	158.5	168.2	227.0	135.9	172.4
Renze 5X389HXT/LL	154.7	166.6	255.4*	112.2	172.2
Rainbow X1107VT3	145.0	168.1	236.9	138.4	172.1
Midland MG 436BT	155.4	159.8	233.5	136.4	171.3
Burrus 6C56	150.7	175.3	233.0	125.2	171.0
NuTech 3T-514 VT3	145.1	168.0	237.7	133.3	171.0
Rainbow X1078	150.6	164.3	227.7	137.6	170.0
NuTech 3T-710 VT3	179.1	158.8	220.8	121.4	170.0
Dyna-Gro 57V44	153.0	163.9	230.6	131.2	169.7
NuTech 3T-109 VT3	162.9	170.9	235.4	106.0	168.8
Dyna-Gro CXO8216	155.5	168.9	227.2	121.6	168.3
NuTech 5X-512 RR/HXT	166.6	142.7	227.7	119.6	164.1
MFA MORCORN MC4507VT3	153.7	164.6	208.9	124.6	162.9
Merschman M-913C-10	128.1	154.8	215.2	116.3	153.6
TEST AVERAGE	175.5	177.9	238.1	149.3	185.2
L.S.D. AT .10	19.5	19.5	21.7	19.8	10.0
C.V. %	7.9	7.8	6.5	9.7	8.0

** Highest yielding hybrid in the test.

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

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

Central Region Crop Management Summary

There are five locations in the Central Region for the Non-Irrigated Corn Test and two locations for the Irrigated Corn Test. 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 slightly between locations, but tend to reflect those followed by farmers in the area.

Rainfall was plentiful for all of central Missouri this year, averaging 64% above normal for the region and yields were good at all sites. The Annada site was planted very late and had not matured sufficiently at press time to harvest. Information from that site will be made available on our web-site (varietytesting.missouri.edu) after it is harvested. European corn borer pressure was moderate to heavy across the Central Region this year. Warrior was applied to both Columbia experiments in June because of corn ear worm feeding.

Climatological information for the growing season (May 1 – Sept. 30) for the Central Region is summarized below and cultural practices for each site are listed in Table 11.

Average temperature = 70.0 degrees, 1.1 degrees below normal

Average precipitation = 32.5", 12.7" above normal

Growing degree days = 3018 days, 151 days below normal

Table 7. 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	04-30	10-09	240	50	60	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Marshall	05-30	10-20,21	140	40	85	No-till	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Columbia	06-22	11-19	160	46	62	No-till	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Truxton	06-11	11-07	200	240	160	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Warrior
Annada	06-24		250	30	70	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
<i>Irrigated Corn Tests</i>									
Columbia	06-18	11-18	250	46	62	No-till	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Laddonia	05-06	10-02	270	60	40	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G

TABLE 8. Non-Irrigated Corn Test

Central Region: Henrietta, MO (Ray County)

Soil Type: Haynie Silt Loam Soil Test: pH=5.3, OM=1.8%, P=70, K=616

European Corn Borer Rating: Damaged Plants= 32%, Tunnel Length/Plant= 1.2 in.

Rainfall: May=4.7, June=6.2, July=9.2, Aug.=0.5,Sept.=8.4 Total=29.1

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
Power Plus 8G23	6, 7	30285	15.5	0	217.6**	--	--
AgriGold A6479VT3	6, 7	29971	14.3	0	210.0	--	--
Hubner H5477PR	6, 7, 8	31275	13.5	0	204.8	--	--
Midwest Seed 79504VT3	4	31243	13.8	0	204.3	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	29203	13.2	0	203.7	--	--
Kruger K-6210TS	4	30788	13.9	0	203.5	--	--
Fontanelle 8T141	7	29624	15.0	0	203.5	--	--
LG 2555 VT3	1, 6, 7, 8	30759	13.9	0	203.5	--	--
Producers 7624VT3	6, 7, 8	30360	14.7	0	202.9	--	--
Producers 7394VT3	6, 7, 8	30118	14.6	0	202.7	--	--
NC+ 4777VT3	4	30738	12.3	0	202.5	--	--
NuTech 0C-413 YGCB	5, 7, 6	29944	13.8	1	202.2	--	--
Kruger K-6411VT3	4	30462	13.1	0	201.7	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	29856	14.4	0	201.2	--	--
G2 Genetics 1H-716 HX/LL	5, 7	28961	15.4	0	200.3	--	--
LG 2642 VT3	1, 6, 7, 8	30507	14.4	0	199.0	--	--
Kruger K-6111TS	4	30120	14.2	0	198.9	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	29105	13.5	0	198.9	--	--
Rainbow X1157	6	29178	15.0	1	198.9	--	--
MFA MORCORN MC4207VT3	4	31341	13.2	0	198.6	--	--
Stone 7T202VT3	6, 7	29351	12.7	0	198.2	--	--
Producers 7414VT3	6, 7, 8	29888	14.5	0	196.9	--	--
G2 Genetics 1H-715 HX/LL	5, 7	28992	15.5	0	196.9	--	--
AgriGold A6533VT3	6, 7	30095	14.5	0	196.8	--	--
Kruger K-6413VT3	4	29538	12.6	0	196.3	--	--
Fontanelle 8B467	7	30305	13.3	0	196.2	241.2*	218.7
G2 Genetics 5H-314 RR/HX	5, 7	30143	14.5	0	195.6	--	--
Kruger K-6517TS	4	30349	15.0	0	195.5	--	--
Kruger K-7010YGPL	4	30908	13.3	0	195.1	--	--
NuTech 3T-514 VT3	5, 7, 6	30635	14.2	0	194.9	--	--
LG 2620 VT3	1, 6, 7, 8	29656	14.0	0	194.3	--	--
DEKALB RX785VT3	1, 6, 7, 8	30423	13.2	0	194.1	--	--
Hubner H5636VT3	6, 7, 8	29963	14.2	0	194.1	--	--
G2 Genetics 1H-911 HX/LL	5, 7	29481	14.0	0	193.9	--	--
Kruger K-5213YGCB	4	31003	13.4	0	193.6	--	--
MFA MORCORN MC4107VT3	4	29079	13.5	0	193.0	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	32010	13.7	0	192.4	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	30072	15.1	0	192.0	--	--
Merschman M-913C-10	2, 7, 8	30665	14.5	0	191.7	--	--
Kruger K-2115RR/YGCB	4	29668	14.7	0	191.6	--	--
Kruger K-6013VT3	4	29345	15.0	0	191.5	--	--
Burrus 573T	6, 7	30742	12.7	0	191.3	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	30197	13.4	0	191.2	--	--
Merschman M-314A-10	2, 7, 8	30563	15.2	5	191.1	--	--
Fielder's Choice NG 6820	7	29832	13.0	0	190.9	--	--

TABLE 8. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 2007 -----bu/acre-----		
Lewis 813 VT3	6, 7, 8	30745	12.7	0	190.6	--	--
Midland MG 7A58BR	7	30456	14.8	4	190.1	234.9*	212.5
Kruger K-6212TS	4	30073	14.6	0	190.0	--	--
Power Plus 4K74	6, 7	28231	14.8	0	189.9	--	--
AgriGold A6632VT3	6, 7	29218	14.9	0	189.8	--	--
AgriGold A6489VT3	6, 7	30900	14.2	0	189.6	--	--
Dyna-Gro CXO8216	1, 6, 7, 8	30645	14.2	6	189.3	--	--
Burrus 750	6, 7	30242	15.1	1	189.2	--	--
NuTech 3C-414 RR/YGCB	4	29415	14.3	0	189.2	--	--
Mycogen 2T826	4	29970	14.8	1	188.8	--	--
Midwest Seed 79123VT3	4	29774	14.5	0	188.7	--	--
NuTech 0C-213 YGCB	4	31115	15.0	0	188.3	--	--
Fontanelle 8T416	7	29107	13.8	0	187.9	--	--
MFA MORCORN MC4507VT3	4	30817	14.3	1	187.5	--	--
Merschman M-711E-10	2, 7, 8	30284	13.3	0	187.5	--	--
Stone 7T231VT3	6, 7	29963	13.0	0	187.0	--	--
MFA MORCORN MC4391RR	4	31498	12.4	1	186.7	--	--
Kruger K-5116YGCB	4	29208	14.0	0	186.4	245.0*	215.7
NuTech 3P-708 RR/YGPL	5, 7, 6	28662	13.4	0	186.3	--	--
NuTech 3T-115 VT3	5, 7, 6	28984	14.6	1	185.4	--	--
Kruger K-6015VT3	4	29844	14.0	0	185.0	--	--
Dyna-Gro 57V30	1, 6, 7, 8	30170	13.4	0	184.9	--	--
Kruger K-8112HX	4	29183	13.9	0	184.8	--	--
Fielder's Choice NG 6834	7	28179	13.8	0	184.7	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	29195	13.5	0	184.4	--	--
Kruger K-8616HX	4	29802	14.7	0	184.3	232.8*	208.6
NC+ 5453VT3	4	29823	13.6	0	183.9	--	--
Hubner H5582VT3	6, 7, 8	30863	12.4	0	183.9	--	--
Kruger K-6412VT3	4	30749	14.1	0	183.5	--	--
NC+ 4252VT3	4	29211	13.1	0	183.5	--	--
G2 Genetics 5H-011 RR/HX	5, 7	29054	14.8	0	183.3	--	--
Kruger K-9414RR/HXT	4	30348	14.9	1	182.9	--	--
Dyna-Gro 57V44	1, 6, 7, 8	30052	13.1	0	182.5	--	--
Dyna-Gro 57R91	1, 6, 7, 8	28807	13.3	0	182.3	--	--
Mycogen 2Y737	4	31414	13.7	0	182.1	--	--
MFA MORCORN MC4007VT3	4	28883	13.7	0	181.6	--	--
Midland MG 779BT	7	30068	14.6	1	180.6	--	--
Burrus 6C56	6, 7	28413	14.4	0	180.3	--	--
NuTech 3T-710 VT3	5, 7, 6	29077	13.3	1	180.2	--	--
AgriGold 6399VT3	6, 7	29779	13.6	0	179.6	--	--
Merschman M-912E-2	2, 7, 8	29293	13.5	0	179.2	--	--
G2 Genetics 3A-513 RR	5, 7	28793	12.5	0	179.1	--	--
Pioneer 35F40 (HX1,LL,RR2)	1, 5, 6, 7	29074	13.7	0	178.3	--	--
G2 Genetics 5H-508 RR/HX	5, 7	29516	13.3	0	177.9	--	--
G2 Genetics 0A-615	5, 7	28314	14.0	0	177.8	--	--
NC+ 5393VT3	4	29799	15.0	0	177.1	--	--
Lewis 912 CB	6, 7, 8	30188	14.0	0	176.2	--	--
Midland MG 697BT	7	29990	14.4	0	171.8	--	--
Hubner EX828BRPH	6, 7, 8	29105	15.2	0	167.1	--	--
Lewis 915 CB	6, 7, 8	30297	14.4	0	164.3	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	30504	13.1	0	109.5	--	--
Stone 7T927VT3	6, 7	29460	13.0	0	106.1	--	--

TABLE 8. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
DEKALB DKC62-99 (RR2/YGCB 1, 6, 7, 8		30640	13.4	0	105.5	--	--
Rainbow X1107VT3	6	28604	13.3	0	104.0	--	--
Midland MG 417BT	7	30342	13.4	0	103.6	236.1*	169.9
Midland MG 436BT	7	28570	13.2	0	99.4	233.3*	166.4
Kruger K-6114VT3	4	30094	15.1	0	98.2	--	--
Midland MG 658HL	7	29193	13.9	0	94.3	--	--
NuTech 5X-512 RR/HXT	4	29204	13.8	0	93.3	--	--
Fontanelle 8T339	7	28749	13.7	1	92.7	--	--
Mycogen 2T783	4	30819	15.0	0	90.1	--	--
Rainbow 3158YGCB	6	30236	15.1	0	89.4	--	--
Lewis 815 VT3	6, 7, 8	29098	14.8	0	85.0	--	--
TEST AVERAGE		29897	14.0	0	179.2	229.6	204.4
L.S.D. AT .10		1632	0.6	NS	NS	19.8	
C.V. %		3.9	3.4		28.5	6.1	

-- Data not available.

** Highest yielding hybrid in the test.

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

NS Not Significant

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 9. Non-Irrigated Corn Test

Central Region: Marshall, MO (Saline County)

Soil Type: Joy Silt Loam Soil Test: pH=6.5, OM=3.0%, P=66, K=384

European Corn Borer Rating: Damaged Plants= 100%, Tunnel Length/Plant=5.0 in.

Rainfall: May=3.2, June=7.0, July=8.3, Aug.=2.2,Sept.=7.0 Total=27.7

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
					-----bu/acre-----		
NuTech 0C-413 YGCB	5, 7, 6	28840	16.3	0	192.0**	--	--
Producers 7394VT3	6, 7, 8	30112	16.7	0	187.0*	--	--
AgriGold A6632VT3	6, 7	29949	17.4	0	186.9*	--	--
Rainbow 3158YGCB	6	29368	16.6	17	185.7*	--	--
LG 2642 VT3	1, 6, 7, 8	30064	17.0	0	184.7*	--	--
Producers 7414VT3	6, 7, 8	30443	17.8	0	183.8*	--	--
Merschman M-314A-10	2, 7, 8	30080	17.2	4	183.2*	--	--
AgriGold A6533VT3	6, 7	29096	17.1	0	182.9*	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	30002	15.7	0	182.4*	--	--
Hubner H5582VT3	6, 7, 8	30979	16.8	0	181.0*	--	--
MFA MORCORN MC4207VT3	4	29881	16.5	0	180.0*	--	--
LG 2620 VT3	1, 6, 7, 8	30886	16.7	0	179.1*	--	--
DEKALB RX785VT3	1, 6, 7, 8	31059	16.4	0	179.0*	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	29745	16.3	0	178.4	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	28633	16.7	0	177.9	--	--
NuTech 0C-213 YGCB	4	30346	16.7	0	177.0	--	--
Kruger K-5116YGCB	4	28962	16.8	1	177.0	232.1*	204.6
AgriGold A6489VT3	6, 7	30534	16.7	0	176.8	--	--
Lewis 813 VT3	6, 7, 8	29075	17.0	0	176.5	--	--
Kruger K-6210TS	4	30552	15.4	0	175.7	--	--
Kruger K-7010YGPL	4	29102	16.0	0	175.0	--	--
Kruger K-6412VT3	4	31252	16.2	0	174.9	--	--
NC+ 5453VT3	4	29670	16.7	0	174.7	--	--
Fontanelle 8B467	7	29466	16.5	0	174.7	234.1*	204.4
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	28878	16.8	0	174.7	--	--
G2 Genetics 1H-716 HX/LL	5, 7	28570	18.4	0	174.5	--	--
Kruger K-6517TS	4	28505	16.5	5	174.4	--	--
Kruger K-6413VT3	4	30169	16.3	0	174.1	--	--
Fielder's Choice NG 6820	7	29731	16.5	0	173.7	--	--
Kruger K-2115RR/YGCB	4	29898	16.4	0	173.6	--	--
Hubner EX828BRPH	6, 7, 8	27284	17.1	0	173.6	--	--
NC+ 4252VT3	4	30643	16.0	0	173.5	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	28176	16.3	0	173.4	--	--
Lewis 815 VT3	6, 7, 8	28890	16.6	0	172.9	--	--
MFA MORCORN MC4007VT3	4	28625	16.4	0	172.5	--	--
Lewis 915 CB	6, 7, 8	31921	16.3	0	172.5	--	--
Midland MG 779BT	7	29187	20.2	0	172.5	--	--
Kruger K-9414RR/HXT	4	29590	16.1	3	172.5	--	--
Fontanelle 8T339	7	29056	17.9	0	171.0	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	28847	16.7	0	170.9	--	--
Kruger K-6114VT3	4	29624	16.1	0	170.7	--	--
Burrus 573T	6, 7	29872	15.7	0	170.5	--	--
Lewis 912 CB	6, 7, 8	30345	16.3	0	170.2	--	--
Midwest Seed 79504VT3	4	30012	16.6	0	169.1	--	--
Midland MG 7A58BR	7	29878	16.8	10	169.1	210.3	189.7

TABLE 9. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 2007 -----bu/acre-----		
LG 2555 VT3	1, 6, 7, 8	30106	15.4	1	168.6	--	--
Fielder's Choice NG 6834	7	28176	16.4	0	168.5	--	--
DEKALB DKC62-99 (RR2/YGCB	1, 6, 7, 8	28572	15.7	0	168.3	--	--
G2 Genetics 1H-715 HX/LL	5, 7	29960	22.2	4	168.2	--	--
Stone 7T231VT3	6, 7	30819	14.6	0	168.0	--	--
Power Plus 8G23	6, 7	26995	16.4	0	167.6	--	--
AgriGold A6479VT3	6, 7	29344	16.2	0	167.5	--	--
NuTech 3C-414 RR/YGCB	4	30143	16.6	0	167.5	--	--
AgriGold 6399VT3	6, 7	30337	14.9	0	167.3	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	28407	17.8	0	167.2	--	--
Stone 7T927VT3	6, 7	29165	14.7	0	167.1	--	--
Hubner H5636VT3	6, 7, 8	30031	16.8	2	166.0	--	--
Fontanelle 8T416	7	28642	16.7	0	165.8	--	--
Stone 7T202VT3	6, 7	30040	18.1	7	165.2	--	--
Mycogen 2T826	4	30045	19.1	25	165.1	--	--
Kruger K-6411VT3	4	30343	14.7	0	164.6	--	--
Kruger K-5213YGCB	4	29825	16.3	0	164.3	--	--
G2 Genetics 5H-314 RR/HX	5, 7	28842	16.3	0	163.9	--	--
NC+ 4777VT3	4	29560	14.4	0	163.7	--	--
Producers 7624VT3	6, 7, 8	27959	18.9	7	163.5	--	--
NuTech 3T-514 VT3	5, 7, 6	28945	16.2	0	163.4	--	--
Merschman M-913C-10	2, 7, 8	30576	15.4	0	162.7	--	--
Pioneer 35F40 (HX1,LL,RR2	1, 5, 6, 7	30025	15.3	0	162.6	--	--
NuTech 3T-710 VT3	5, 7, 6	29640	15.7	0	162.4	--	--
Midwest Seed 79123VT3	4	29403	15.1	0	162.1	--	--
Hubner H5477PR	6, 7, 8	27241	15.5	0	161.7	--	--
NuTech 3P-708 RR/YGPL	5, 7, 6	28835	15.2	0	161.1	--	--
Midland MG 697BT	7	30581	16.8	1	160.6	--	--
Kruger K-8616HX	4	28740	16.5	2	160.3	197.9	179.1
Kruger K-6015VT3	4	28988	18.0	0	160.2	--	--
Burrus 6C56	6, 7	28688	15.8	0	159.8	--	--
Fontanelle 8T141	7	29185	14.6	4	159.7	--	--
Midland MG 658HL	7	29434	15.6	3	159.4	--	--
Pioneer 34R67 (HX1,LL,RR2	1, 5, 6, 7	28838	16.5	0	159.4	--	--
Kruger K-8112HX	4	28868	15.3	4	159.3	--	--
MFA MORCORN MC4107VT3	4	29172	14.6	0	159.0	--	--
NuTech 3T-115 VT3	5, 7, 6	29796	14.3	0	158.8	--	--
Mycogen 2T783	4	30529	15.3	4	158.3	--	--
Rainbow X1157	6	29256	16.5	2	158.2	--	--
Dyna-Gro 57V44	1, 6, 7, 8	28250	15.7	11	158.2	--	--
Power Plus 4K74	6, 7	25950	16.3	0	158.1	--	--
Dyna-Gro 57V30	1, 6, 7, 8	29394	16.3	0	157.6	--	--
MFA MORCORN MC4507VT3	4	30421	15.4	5	157.6	--	--
Kruger K-6111TS	4	29532	14.6	0	156.8	--	--
Rainbow X1107VT3	6	28503	15.8	8	156.7	--	--
Kruger K-6013VT3	4	28532	14.7	2	156.4	--	--
G2 Genetics 5H-508 RR/HX	5, 7	27633	16.0	0	156.3	--	--
Dyna-Gro 57R91	1, 6, 7, 8	26649	16.3	0	154.2	--	--
G2 Genetics 1H-911 HX/LL	5, 7	27972	16.5	0	154.0	--	--
Burrus 750	6, 7	30540	16.3	1	153.8	--	--
NuTech 5X-512 RR/HXT	4	28469	14.1	0	153.6	--	--
Mycogen 2Y737	4	31066	15.9	0	153.3	--	--

TABLE 9. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
Midland MG 436BT	7	30152	15.7	7	152.6	206.2	179.4
G2 Genetics 0A-615	5, 7	29339	15.4	0	152.3	--	--
Merschman M-711E-10	2, 7, 8	28719	15.6	10	150.6	--	--
G2 Genetics 5H-011 RR/HX	5, 7	28985	16.7	16	149.0	--	--
MFA MORCORN MC4391RR	4	28971	15.4	3	147.2	--	--
Merschman M-912E-2	2, 7, 8	28906	16.1	1	147.0	--	--
Dyna-Gro CXO8216	1, 6, 7, 8	29483	15.8	5	146.0	--	--
Midland MG 417BT	7	29207	13.8	0	145.1	214.1	179.6
NC+ 5393VT3	4	29508	15.0	0	144.8	--	--
G2 Genetics 3A-513 RR	5, 7	27698	14.2	3	144.6	--	--
Kruger K-6212TS	4	28014	16.9	11	144.6	--	--
TEST AVERAGE		29368	16.3	2	166.4	210.3	188.4
L.S.D. AT .10		1509	1.3	NS	13.4	16.2	
C.V. %		3.6	5.8		5.7	5.4	

-- Data not available.

** Highest yielding hybrid in the test.

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

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 10. Non-Irrigated Corn Test

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.1, OM=1.5%, P=58, K=296

European Corn Borer Rating: Damaged Plants=100%, Tunnel Length/Plant=3.4 in.

Rainfall: May=4.1, June=3.3, July=8.6, Aug.=2.0, Sept.=9.4 Total=27.4

Brand-Variety	Seed Treatment ⁺	2008			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Burrus 573T	6, 7	30576	20.0	0	177.9**	--	--
Kruger K-6210TS	4	30268	20.2	1	177.2*	--	--
Midwest Seed 79504VT3	4	29830	19.6	0	177.0*	--	--
Midland MG 779BT	7	29261	20.0	4	175.7*	--	--
Kruger K-5213YGCB	4	30069	19.7	0	175.1*	--	--
NC+ 4777VT3	4	31955	18.2	1	174.6*	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	30511	20.7	9	174.5*	--	--
Lewis 813 VT3	6, 7, 8	29819	19.5	0	173.1*	--	--
Lewis 912 CB	6, 7, 8	30597	19.7	0	172.8*	--	--
Kruger K-8616HX	4	29092	22.8	1	172.1*	180.3	176.2
G2 Genetics 5H-508 RR/HX	5, 7	28181	19.2	0	171.9*	--	--
LG 2620 VT3	1, 6, 7, 8	29391	19.7	16	171.5*	--	--
Hubner H5582VT3	6, 7, 8	30594	19.3	11	171.2*	--	--
Fontanelle 8B467	7	29397	20.1	2	171.1*	182.7	176.9
Kruger K-5116YGCB	4	28625	20.4	1	170.6*	176.7	173.7
NC+ 4252VT3	4	29859	19.0	0	170.3*	--	--
Fontanelle 8T141	7	30081	22.1	4	170.3*	--	--
Hubner H5477PR	6, 7, 8	28874	19.8	5	170.2*	--	--
Fielder's Choice NG 6820	7	30972	19.1	3	169.5*	--	--
Mycogen 2T783	4	30243	20.2	1	169.4*	--	--
Burrus 6C56	6, 7	28313	20.5	14	168.5*	--	--
DEKALB RX785VT3	1, 6, 7, 8	29086	18.3	2	167.9*	--	--
Producers 7394VT3	6, 7, 8	29673	21.1	6	167.8*	--	--
Kruger K-6413VT3	4	29243	19.5	4	167.5*	--	--
G2 Genetics 5H-314 RR/HX	5, 7	28565	21.6	0	167.3*	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	29657	19.2	2	167.2*	--	--
Midland MG 417BT	7	29429	18.7	15	167.1*	183.3	175.2
Kruger K-2115RR/YGCB	4	27721	20.4	0	166.9*	--	--
Mycogen 2Y737	4	29294	21.1	2	166.6*	--	--
Kruger K-6114VT3	4	29086	20.9	0	166.4*	--	--
Dyna-Gro 57V30	1, 6, 7, 8	29583	19.6	16	166.1*	--	--
Kruger K-6111TS	4	29561	23.3	19	166.1*	--	--
AgriGold A6533VT3	6, 7	29345	20.1	2	165.3*	--	--
LG 2642 VT3	1, 6, 7, 8	29412	23.7	8	164.9*	--	--
MFA MORCORN MC4207VT3	4	29009	20.4	0	164.9*	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	29127	20.0	0	164.9*	--	--
AgriGold A6632VT3	6, 7	28808	24.2	3	164.8*	--	--
Power Plus 8G23	6, 7	30166	23.0	41	164.6*	--	--
G2 Genetics 5H-011 RR/HX	5, 7	28065	19.2	0	164.6*	--	--
Midwest Seed 79123VT3	4	28991	22.5	13	164.5*	--	--
MFA MORCORN MC4007VT3	4	28378	19.3	1	164.1*	--	--
NC+ 5393VT3	4	30722	22.5	2	163.8*	--	--
Hubner H5636VT3	6, 7, 8	28676	20.3	8	162.5*	--	--
Kruger K-7010YGPL	4	30017	18.9	9	162.4*	--	--
NC+ 5453VT3	4	29088	19.5	1	162.2*	--	--

TABLE 10. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 2007 -----bu/acre-----		
AgriGold A6489VT3	6, 7	29704	20.0	4	162.2*	--	--
NuTech 0C-413 YGCB	5, 7, 6	28863	19.8	1	161.9*	--	--
AgriGold 6399VT3	6, 7	28595	18.9	0	161.6*	--	--
MFA MORCORN MC4107VT3	4	28813	19.3	2	161.6*	--	--
MFA MORCORN MC4507VT3	4	30784	20.0	26	161.3*	--	--
G2 Genetics 1H-715 HX/LL	5, 7	28261	22.8	10	160.7*	--	--
Power Plus 4K74	6, 7	26910	19.1	4	160.4*	--	--
Stone 7T202VT3	6, 7	29669	20.3	14	160.3*	--	--
Fontanelle 8T416	7	28097	20.4	1	160.1*	--	--
Producers 7414VT3	6, 7, 8	29102	20.5	1	159.9*	--	--
NuTech 3T-710 VT3	5, 7, 6	29351	17.9	3	159.7*	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	27633	21.0	1	159.4*	--	--
Kruger K-6013VT3	4	25462	20.7	4	159.1*	--	--
Fielder's Choice NG 6834	7	27826	19.7	0	159.0*	--	--
Mycogen 2T826	4	29796	21.8	9	158.2	--	--
Kruger K-9414RR/HXT	4	29482	20.4	14	158.1	--	--
DEKALB DKC62-99 (RR2/YGCB)	1, 6, 7, 8	28679	19.0	1	158.1	--	--
Midland MG 658HL	7	28899	19.4	0	157.9	--	--
Lewis 915 CB	6, 7, 8	29885	20.8	0	157.8	--	--
Lewis 815 VT3	6, 7, 8	28717	18.9	5	157.6	--	--
Kruger K-8112HX	4	29142	19.2	1	157.5	--	--
Fontanelle 8T339	7	30170	19.1	12	157.4	--	--
Stone 7T927VT3	6, 7	28192	19.4	23	157.4	--	--
G2 Genetics 1H-716 HX/LL	5, 7	28347	25.1	36	157.3	--	--
Midland MG 697BT	7	29704	22.5	2	157.1	--	--
Merschman M-711E-10	2, 7, 8	29283	19.0	45	156.4	--	--
Pioneer 35F40 (HX1,LL,RR2)	1, 5, 6, 7	29091	18.6	3	155.9	--	--
Stone 7T231VT3	6, 7	28513	17.8	1	155.8	--	--
Merschman M-314A-10	2, 7, 8	29390	23.7	43	155.5	--	--
Kruger K-6411VT3	4	29679	18.7	3	155.5	--	--
AgriGold A6479VT3	6, 7	26404	22.2	10	154.7	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	28084	23.1	2	154.5	--	--
NuTech 0C-213 YGCB	4	27835	22.5	5	154.5	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	29861	20.5	16	154.4	--	--
Kruger K-6412VT3	4	30374	21.6	0	154.2	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	25059	19.2	6	154.0	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	27635	22.0	0	154.0	--	--
Merschman M-913C-10	2, 7, 8	29662	21.3	18	153.7	--	--
LG 2555 VT3	1, 6, 7, 8	30165	19.3	37	153.2	--	--
Burrus 750	6, 7	29453	22.2	34	153.1	--	--
NuTech 5X-512 RR/HXT	4	27075	21.7	0	152.8	--	--
Dyna-Gro 57V44	1, 6, 7, 8	27608	18.8	57	152.6	--	--
Kruger K-6212TS	4	27505	21.5	0	150.7	--	--
Kruger K-6015VT3	4	29620	19.5	6	150.3	--	--
G2 Genetics 1H-911 HX/LL	5, 7	28488	19.1	2	149.9	--	--
Midland MG 7A58BR	7	30329	19.7	55	148.8	188.9*	168.9
Dyna-Gro 57R91	1, 6, 7, 8	28502	20.2	9	148.2	--	--
Rainbow X1107VT3	6	28993	19.2	37	147.6	--	--
Dyna-Gro CXO8216	1, 6, 7, 8	30261	20.2	8	147.2	--	--
NuTech 3T-514 VT3	5, 7, 6	28555	20.8	8	147.2	--	--
G2 Genetics 3A-513 RR	5, 7	27942	19.9	7	146.8	--	--
Rainbow 3158YGCB	6	29379	21.7	38	146.2	--	--

TABLE 10. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
Midland MG 436BT	7	29766	18.9	18	145.4	176.6	161.0
Kruger K-6517TS	4	28840	22.9	22	142.9	--	--
NuTech 3T-115 VT3	5, 7, 6	28359	25.0	37	142.2	--	--
Producers 7624VT3	6, 7, 8	28603	20.7	10	141.7	--	--
G2 Genetics 0A-615	5, 7	28985	20.2	1	141.4	--	--
Rainbow X1157	6	29330	23.3	13	140.0	--	--
NuTech 3C-414 RR/YGCB	4	29783	22.1	37	139.5	--	--
NuTech 3P-708 RR/YGPL	5, 7, 6	27920	19.7	1	139.3	--	--
MFA MORCORN MC4391RR	4	28656	19.5	9	138.1	--	--
Hubner EX828BRPH	6, 7, 8	28629	20.4	7	138.1	--	--
Merschman M-912E-2	2, 7, 8	29468	19.5	5	133.8	--	--
TEST AVERAGE		29078	20.5	9	159.5	178.5	169.0
L.S.D. AT .10		2016	1.8	19	19.1	17.8	
C.V. %		4.9	6.2		8.6	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= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 11. Non-Irrigated Corn Test

Central Region: Truxton, MO (Montgomery County)

Soil Type: Mexico Silt Loam Soil Test: pH=5.8, OM=2.1%, P=92, K=306

European Corn Borer Rating: Damaged Plants=90%, Tunnel Length/Plant=1.2 in.

Rainfall: May=8.1, June=4.9, July=10.7, Aug.=1.3,Sept.=11.4 Total=36.4

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	30092	15.5	1	211.3**	--	--
Kruger K-6412VT3	4	32235	18.3	0	209.5	--	--
NC+ 5393VT3	4	29106	18.3	0	206.4	--	--
Midwest Seed 79504VT3	4	30515	18.6	0	206.3	--	--
Rainbow X1157	6	29672	18.9	2	205.6	--	--
AgriGold A6632VT3	6, 7	28777	18.5	0	205.3	--	--
Kruger K-6013VT3	4	29354	18.6	11	205.3	--	--
MFA MORCORN MC4207VT3	4	29549	17.7	0	205.0	--	--
Kruger K-6517TS	4	28342	17.7	3	204.6	--	--
Midland MG 417BT	7	28798	17.3	0	204.6	78.2	141.4
Kruger K-5213YGCB	4	30186	18.2	0	204.5	--	--
Mycogen 2T783	4	29158	18.5	1	204.2	--	--
LG 2642 VT3	1, 6, 7, 8	29185	18.5	0	204.2	--	--
Merschman M-913C-10	2, 7, 8	29162	18.7	3	202.8	--	--
LG 2555 VT3	1, 6, 7, 8	29686	17.2	4	202.4	--	--
Burrus 6C56	6, 7	28523	18.2	4	202.1	--	--
DEKALB RX785VT3	1, 6, 7, 8	30654	17.1	3	201.6	--	--
Midland MG 779BT	7	30604	18.5	0	201.6	--	--
Producers 7414VT3	6, 7, 8	29208	17.6	0	201.3	--	--
MFA MORCORN MC4507VT3	4	28746	17.7	6	200.2	--	--
Lewis 815 VT3	6, 7, 8	29720	17.5	0	200.2	--	--
G2 Genetics 5H-314 RR/HX	5, 7	29610	17.2	0	199.2	--	--
Dyna-Gro CXO8216	1, 6, 7, 8	29313	17.9	5	199.0	--	--
Midland MG 697BT	7	30027	18.0	2	198.9	--	--
NuTech 3C-414 RR/YGCB	4	29108	18.1	1	198.8	--	--
Lewis 915 CB	6, 7, 8	30114	18.5	0	198.5	--	--
Midland MG 658HL	7	29271	18.1	0	198.2	--	--
DEKALB DKC62-99 (RR2/YGCB)	1, 6, 7, 8	30175	17.3	0	198.1	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	29278	17.7	1	197.8	--	--
Kruger K-6210TS	4	29914	17.9	12	197.5	--	--
NC+ 4252VT3	4	30405	15.5	0	197.5	--	--
Producers 7394VT3	6, 7, 8	28772	17.6	2	197.1	--	--
Fontanelle 8T416	7	30158	16.8	0	197.0	--	--
MFA MORCORN MC4107VT3	4	29571	16.5	11	197.0	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	29164	17.4	0	196.9	--	--
NuTech 0C-213 YGCB	4	28930	18.3	0	196.8	--	--
Kruger K-9414RR/HXT	4	27844	18.3	5	196.8	--	--
G2 Genetics 5H-508 RR/HX	5, 7	26773	17.4	1	196.8	--	--
AgriGold A6479VT3	6, 7	29378	17.5	0	196.3	--	--
NuTech 3T-514 VT3	5, 7, 6	28187	18.0	3	195.9	--	--
NuTech 0C-413 YGCB	5, 7, 6	29300	18.3	0	195.9	--	--
Fielder's Choice NG 6820	7	29156	16.2	0	195.7	--	--
AgriGold A6489VT3	6, 7	29872	18.1	0	195.6	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	29394	17.5	0	195.3	--	--
G2 Genetics 0A-615	5, 7	28272	17.4	0	195.2	--	--

TABLE 11. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 2007 -----bu/acre-----		
G2 Genetics 1H-716 HX/LL	5, 7	29077	20.3	2	195.0	--	--
Lewis 813 VT3	6, 7, 8	28953	16.6	0	194.6	--	--
Mycogen 2Y737	4	28902	18.1	1	194.3	--	--
Hubner H5477PR	6, 7, 8	28833	17.5	0	194.0	--	--
Dyna-Gro 57V44	1, 6, 7, 8	28405	15.3	18	193.6	--	--
Fontanelle 8B467	7	29232	17.2	0	193.6	69.6	131.6
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	28526	16.9	0	193.6	--	--
Burrus 750	6, 7	28753	19.2	1	193.6	--	--
Kruger K-2115RR/YGCB	4	28601	18.7	0	193.5	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	29356	18.0	2	193.1	--	--
Mycogen 2T826	4	28842	18.3	19	192.9	--	--
NuTech 3T-115 VT3	5, 7, 6	29166	19.2	3	192.8	--	--
NuTech 3P-708 RR/YGPL	5, 7, 6	29182	16.9	0	192.2	--	--
Kruger K-5116YGCB	4	29332	17.9	0	192.1	78.0	135.1
G2 Genetics 1H-911 HX/LL	5, 7	29522	17.4	0	192.0	--	--
Stone 7T202VT3	6, 7	30908	16.9	0	191.8	--	--
Dyna-Gro 57V30	1, 6, 7, 8	30845	17.1	6	191.5	--	--
Fontanelle 8T339	7	29174	16.3	0	191.5	--	--
MFA MORCORN MC4007VT3	4	28871	17.2	0	191.2	--	--
G2 Genetics 5H-011 RR/HX	5, 7	28906	17.4	2	190.8	--	--
Hubner H5636VT3	6, 7, 8	30312	18.3	0	190.6	--	--
LG 2620 VT3	1, 6, 7, 8	30033	17.9	0	190.5	--	--
NuTech 5X-512 RR/HXT	4	29510	17.6	4	190.0	--	--
Kruger K-8616HX	4	28778	18.7	0	189.9	76.4	133.2
Stone 7T927VT3	6, 7	29489	17.5	1	189.2	--	--
G2 Genetics 1H-715 HX/LL	5, 7	29473	19.4	5	189.1	--	--
NC+ 4777VT3	4	30901	16.0	0	188.8	--	--
Pioneer 35F40 (HX1,LL,RR2)	1, 5, 6, 7	30066	16.6	0	188.4	--	--
Midland MG 436BT	7	29630	17.0	8	188.2	70.9	129.6
Kruger K-6114VT3	4	29133	18.5	2	188.2	--	--
AgriGold 6399VT3	6, 7	29896	16.9	0	187.9	--	--
Midwest Seed 79123VT3	4	29211	18.6	0	187.0	--	--
AgriGold A6533VT3	6, 7	28692	18.1	9	186.9	--	--
Kruger K-8112HX	4	30061	17.7	0	186.3	--	--
Merschman M-711E-10	2, 7, 8	29240	17.1	3	185.8	--	--
Power Plus 4K74	6, 7	27759	17.6	0	185.7	--	--
Kruger K-6411VT3	4	29312	17.4	2	185.5	--	--
Power Plus 8G23	6, 7	28647	18.8	1	185.4	--	--
Lewis 912 CB	6, 7, 8	30447	17.5	0	185.3	--	--
Rainbow 3158YGCB	6	28460	18.3	37	184.9	--	--
Midland MG 7A58BR	7	29838	18.0	18	184.5	69.0	126.8
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	29624	18.3	0	184.5	--	--
Merschman M-314A-10	2, 7, 8	29187	19.5	37	184.4	--	--
Hubner H5582VT3	6, 7, 8	29918	17.7	0	184.3	--	--
Burrus 573T	6, 7	29729	18.0	0	183.9	--	--
Kruger K-6015VT3	4	28619	17.5	0	183.5	--	--
Kruger K-6111TS	4	30020	18.1	16	183.5	--	--
Dyna-Gro 57R91	1, 6, 7, 8	28871	17.7	0	182.9	--	--
Rainbow X1107VT3	6	28872	14.7	2	182.6	--	--
Kruger K-6413VT3	4	29518	14.9	0	182.3	--	--
Fontanelle 8T141	7	29973	18.4	5	181.6	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	28631	17.5	0	179.8	--	--

TABLE 11. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
Fielder's Choice NG 6834	7	27240	17.8	0	177.8	--	--
Hubner EX828BRPH	6, 7, 8	28824	17.8	0	176.0	--	--
G2 Genetics 3A-513 RR	5, 7	28012	14.9	0	175.8	--	--
Stone 7T231VT3	6, 7	29579	16.7	0	174.1	--	--
Producers 7624VT3	6, 7, 8	28228	18.6	0	173.3	--	--
MFA MORCORN MC4391RR	4	28280	15.6	1	172.5	--	--
Merschman M-912E-2	2, 7, 8	29476	17.9	2	172.5	--	--
Kruger K-6212TS	4	28204	18.0	0	172.1	--	--
Kruger K-7010YGPL	4	28583	15.4	0	171.0	--	--
NuTech 3T-710 VT3	5, 7, 6	28957	17.1	1	170.4	--	--
NC+ 5453VT3	4	29701	15.5	1	168.4	--	--
TEST AVERAGE		29292	17.6	3	192.0	73.7	132.9
L.S.D. AT .10		1378	1.4	12	NS	9.2	
C.V. %		3.4	5.6		8.3	8.7	

-- 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= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 12. Performance Summary for Non-Irrigated Hybrids evaluated at Four Central Missouri locations (Henrietta, Marshall, Columbia, Truxton) during 2008.

Henrietta
Planted: 04-30
Harvested: 10-9
Growing Season Rainfall: 29.1
Irrigation:

Marshall
Planted: 05-30
Harvested: 10-20,21
Growing Season Rainfall: 27.7
Irrigation:

Columbia
Planted: 06-22
Harvested: 11-19
Growing Season Rainfall: 27.4
Irrigation:

Truxton
Planted: 06-11
Harvested: 11-7
Growing Season Rainfall: 36.4
Irrigation:

Brand-Hybrid	Yield (Bu/Acre)				
	Henrietta	Marshall	Columbia	Truxton	Mean
Non-Irrigated					
DEKALB DKC61-69 (VT3)	204.9	182.4*	167.2*	211.3**	191.4**
Kruger K-6210TS	206.3*	175.7	177.2*	197.5	189.2*
NuTech 0C-413 YGCB	205.0*	192.0**	161.9*	195.9	188.7*
LG 2642 VT3	199.8	184.7*	164.9*	204.2	188.4*
Midwest Seed 79504VT3	199.6	169.1	177.0*	206.3	188.0*
MFA MORCORN MC4207VT3	201.7	180.0*	164.9*	205.0	187.9*
Producers 7394VT3	198.2	187.0*	167.8*	197.1	187.5*
DEKALB DKC63-42 (VT3)	205.0*	170.9	174.5*	197.8	187.0*
AgriGold A6632VT3	188.2	186.9*	164.8*	205.3	186.3*
DEKALB RX785VT3	190.4	179.0*	167.9*	201.6	184.7*
Producers 7414VT3	193.6	183.8*	159.9*	201.3	184.6*
Kruger K-5213YGCB	193.8	164.3	175.1*	204.5	184.4*
Lewis 813 VT3	193.2	176.5	173.1*	194.6	184.4*
Power Plus 8G23	219.3**	167.6	164.6*	185.4	184.2*
AgriGold A6533VT3	200.7	182.9*	165.3*	186.9	183.9*
LG 2620 VT3	194.6	179.1*	171.5*	190.5	183.9*
Pioneer 33T57 (HX1,LL,RR2)	201.3	177.9	159.4*	195.3	183.5*
DEKALB DKC64-24 (VT3)	193.3	178.4	164.9*	196.9	183.4*
Fontanelle 8B467	193.9	174.7	171.1*	193.6	183.3*
Hubner H5477PR	206.3*	161.7	170.2*	194.0	183.0*
Midland MG 779BT	182.3	172.5	175.7*	201.6	183.0*
NC+ 4777VT3	204.3	163.7	174.6*	188.8	182.8*
AgriGold A6479VT3	212.3*	167.5	154.7	196.3	182.7*
Kruger K-5116YGCB	190.0	177.0	170.6*	192.1	182.4
NC+ 4252VT3	188.4	173.5	170.3*	197.5	182.4
G2 Genetics 1H-716 HX/LL	202.2	174.5	157.3	195.0	182.2
Kruger K-2115RR/YGCB	192.8	173.6	166.9*	193.5	181.7
Fielder's Choice NG 6820	187.3	173.7	169.5*	195.7	181.5
AgriGold A6489VT3	190.5	176.8	162.2*	195.6	181.3
G2 Genetics 5H-314 RR/HX	194.2	163.9	167.3*	199.2	181.1
Kruger K-6412VT3	185.0	174.9	154.2	209.5	180.9
Burrus 573T	190.9	170.5	177.9**	183.9	180.8
LG 2555 VT3	197.9	168.6	153.2	202.4	180.5
DEKALB DKC62-99 (RR2/YGCB)	197.5	168.3	158.1	198.1	180.5
Kruger K-6413VT3	197.3	174.1	167.5*	182.3	180.3
Hubner H5582VT3	183.9	181.0*	171.2*	184.3	180.1
G2 Genetics 1H-715 HX/LL	199.3	168.2	160.7*	189.1	179.3
Kruger K-6517TS	193.4	174.4	142.9	204.6	178.8
Pioneer 33K44 (HX1,LL,RR2)	192.1	174.7	154.4	193.1	178.6
NuTech 0C-213 YGCB	185.8	177.0	154.5	196.8	178.5

Table 12. Continued.

Brand-Hybrid	Yield (Bu/Acre)				
	Henrietta	Marshall	Columbia	Truxton	Mean
Non-Irrigated					
Kruger K-6114VT3	188.3	170.7	166.4*	188.2	178.4
Fontanelle 8T141	201.4	159.7	170.3*	181.6	178.2
Stone 7T202VT3	194.9	165.2	160.3*	191.8	178.0
Merschman M-314A-10	188.5	183.2*	155.5	184.4	177.9
Burrus 6C56	181.0	159.8	168.5*	202.1	177.8
Stone 7T927VT3	197.5	167.1	157.4	189.2	177.8
Merschman M-913C-10	191.8	162.7	153.7	202.8	177.8
Midland MG 417BT	193.3	145.1	167.1*	204.6	177.5
MFA MORCORN MC4107VT3	192.0	159.0	161.6*	197.0	177.4
Hubner H5636VT3	189.7	166.0	162.5*	190.6	177.2
MFA MORCORN MC4007VT3	180.8	172.5	164.1*	191.2	177.2
Kruger K-9414RR/HXT	180.9	172.5	158.1	196.8	177.1
Kruger K-6013VT3	187.0	156.4	159.1*	205.3	177.0
Kruger K-8616HX	185.4	160.3	172.1*	189.9	176.9
Dyna-Gro CXO8514	200.3	173.4	154.0	179.8	176.9
MFA MORCORN MC4507VT3	188.2	157.6	161.3*	200.2	176.8
Fontanelle 8T416	184.2	165.8	160.1*	197.0	176.8
Mycogen 2T783	175.1	158.3	169.4*	204.2	176.8
Mycogen 2T826	189.7	165.1	158.2	192.9	176.5
Kruger K-6411VT3	199.7	164.6	155.5	185.5	176.3
Lewis 912 CB	176.2	170.2	172.8*	185.3	176.1
Kruger K-6111TS	196.6	156.8	166.1*	183.5	175.8
Rainbow X1157	199.1	158.2	140.0	205.6	175.7
Midwest Seed 79123VT3	189.2	162.1	164.5*	187.0	175.7
G2 Genetics 5H-508 RR/HX	177.3	156.3	171.9*	196.8	175.6
Lewis 815 VT3	170.2	172.9	157.6	200.2	175.2
Fontanelle 8T339	180.4	171.0	157.4	191.5	175.1
Dyna-Gro 57V30	185.0	157.6	166.1*	191.5	175.0
Kruger K-7010YGPL	191.8	175.0	162.4*	171.0	175.0
Midland MG 658HL	184.6	159.4	157.9	198.2	175.0
DEKALB DKC65-44 (VT3)	192.8	167.2	154.5	184.5	174.8
AgriGold 6399VT3	181.0	167.3	161.6*	187.9	174.4
Mycogen 2Y737	183.4	153.3	166.6*	194.3	174.4
Pioneer 34R67 (HX1,LL,RR2)	189.1	159.4	154.0	193.6	174.0
Lewis 915 CB	167.1	172.5	157.8	198.5	174.0
Power Plus 4K74	191.6	158.1	160.4*	185.7	174.0
NuTech 3T-514 VT3	189.2	163.4	147.2	195.9	173.9
NuTech 3C-414 RR/YGCB	188.2	167.5	139.5	198.8	173.5
Midland MG 7A58BR	190.4	169.1	148.8	184.5	173.2
Burrus 750	190.6	153.8	153.1	193.6	172.8
Rainbow 3158YGCB	174.1	185.7*	146.2	184.9	172.7
G2 Genetics 1H-911 HX/LL	194.3	154.0	149.9	192.0	172.5
NC+ 5393VT3	175.0	144.8	163.8*	206.4	172.5
Fielder's Choice NG 6834	184.1	168.5	159.0*	177.8	172.4
Midland MG 697BT	171.8	160.6	157.1	198.9	172.1
Kruger K-8112HX	185.0	159.3	157.5	186.3	172.0
Dyna-Gro 57V44	183.6	158.2	152.6	193.6	172.0
NC+ 5453VT3	181.8	174.7	162.2*	168.4	171.8
G2 Genetics 5H-011 RR/HX	182.5	149.0	164.6*	190.8	171.7
Producers 7624VT3	206.0*	163.5	141.7	173.3	171.1
Pioneer 35F40 (HX1,LL,RR2)	176.0	162.6	155.9	188.4	170.7

Table 12. Continued.

Brand-Hybrid	Yield (Bu/Acre)				
	Henrietta	Marshall	Columbia	Truxton	Mean
Non-Irrigated					
Dyna-Gro CXO8216	190.6	146.0	147.2	199.0	170.7
Kruger K-6015VT3	186.8	160.2	150.3	183.5	170.2
Stone 7T231VT3	182.5	168.0	155.8	174.1	170.1
Merschman M-711E-10	187.4	150.6	156.4	185.8	170.0
NuTech 3T-115 VT3	185.8	158.8	142.2	192.8	169.9
NuTech 3P-708 RR/YGPL	183.9	161.1	139.3	192.2	169.1
NuTech 5X-512 RR/HXT	179.1	153.6	152.8	190.0	168.9
NuTech 3T-710 VT3	181.6	162.4	159.7*	170.4	168.5
Dyna-Gro 57R91	184.8	154.2	148.2	182.9	167.5
Rainbow X1107VT3	182.2	156.7	147.6	182.6	167.3
Midland MG 436BT	178.7	152.6	145.4	188.2	166.2
G2 Genetics 0A-615	175.4	152.3	141.4	195.2	166.1
Hubner EX828BRPH	171.1	173.6	138.1	176.0	164.7
Kruger K-6212TS	189.0	144.6	150.7	172.1	164.1
MFA MORCORN MC4391RR	189.9	147.2	138.1	172.5	161.9
G2 Genetics 3A-513 RR	175.8	144.6	146.8	175.8	160.8
Merschman M-912E-2	181.1	147.0	133.8	172.5	158.6
TEST AVERAGE	189.6	166.4	159.5	192.0	176.9
L.S.D. AT .10	14.3	13.4	19.1	NS	8.7
C.V. %	5.4	5.7	8.6	8.3	7.0

** Highest yielding hybrid in the test.

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

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

TABLE 13. Irrigated Corn Test

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.2, OM=2.6%, P=76, K=368

European Corn Borer Rating: Damaged Plants=100%, Tunnel Length/Plant=3.4 in.

Rainfall: May=4.1, June=3.3, July=8.6, Aug.=2.0, Sept.=9.4 Total=27.4

Irrigation: 1.6 in.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 2007	bu/acre	
Kruger K-6013VT3	4	34622	22.1	7	174.4**	--	--
NC+ 5393VT3	4	34601	20.4	3	174.0*	--	--
AgriGold A6479VT3	6, 7	34349	21.2	1	173.5*	--	--
Kruger K-6210TS	4	35619	21.1	1	173.1*	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	32988	21.8	1	171.3*	--	--
Kruger K-5213YGCB	4	34978	20.8	9	170.8*	--	--
Midland MG 779BT	7	33742	20.1	15	169.0*	--	--
AgriGold 6399VT3	6, 7	35208	17.9	8	167.0*	--	--
AgriGold A6533VT3	6, 7	35708	19.9	27	166.8*	--	--
Midwest Seed 79123VT3	4	32608	21.5	6	166.4*	--	--
G2 Genetics 1H-911 HX/LL	5, 7	33500	19.0	1	166.2*	--	--
Kruger K-6114VT3	4	33341	23.3	6	166.2*	--	--
Kruger K-7010YGPL	4	34620	19.2	1	165.9*	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	35108	17.4	2	163.6*	--	--
Kruger K-6411VT3	4	33001	17.0	11	163.3*	--	--
AgriGold A6632VT3	6, 7	35588	21.5	7	161.5*	--	--
Rainbow X1157	6	34082	23.3	32	161.0*	242.1*	201.6
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	35442	18.2	25	161.0*	--	--
DEKALB RX785VT3	1, 6, 7, 8	34348	18.0	6	160.9*	--	--
Rainbow X1147RRYGCB	6	33252	22.2	10	160.7*	221.5	191.1
NC+ 4252VT3	4	34857	20.2	11	160.5*	--	--
NuTech 1B-516 CB/LL	4	33597	19.3	23	159.5	--	--
AgriGold A6489VT3	6, 7	35202	20.0	24	158.6	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	31495	17.7	0	157.8	--	--
NC+ 5453VT3	4	34597	20.4	19	157.7	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	32618	22.1	0	157.6	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	31496	21.1	7	157.2	--	--
Midwest Seed 80404VT3	4	34744	18.9	7	157.0	--	--
Mycogen 2T783	4	32609	20.7	20	156.0	--	--
Fielder's Choice NG 6834	7	30487	20.3	4	155.8	--	--
Mycogen 2T826	4	33630	22.7	31	155.6	--	--
Kruger K-6413VT3	4	35219	17.5	1	155.4	--	--
Kruger K-6111TS	4	34388	20.2	35	155.2	--	--
NC+ 4777VT3	4	34871	16.4	18	155.1	--	--
Kruger K-6412VT3	4	34983	21.8	2	154.9	--	--
Mycogen 2Y737	4	34457	22.5	14	154.7	--	--
Fielder's Choice NG 6811	7	31244	20.9	2	154.3	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	35092	22.8	11	153.3	--	--
Kruger K-6015VT3	4	33612	21.9	12	152.6	--	--
Kruger K-5116YGCB	4	34982	21.2	7	152.5	--	--
Kruger K-6212TS	4	31494	21.2	11	152.3	--	--
Midland MG 697BT	7	32379	20.0	6	150.9	--	--
Fielder's Choice NG 6820	7	34099	19.2	9	150.8	--	--
Rainbow 3142YGCB	6	33992	20.0	29	150.0	226.6	188.3
Rainbow X1078	6	35349	18.6	26	145.0	--	--

TABLE 13. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
Rainbow X1107VT3	6	33986	16.0	34	143.0	--	--
Rainbow 3158YGCB	6	34476	22.1	44	141.7	233.0	187.4
Kruger K-9414RR/HXT	4	32847	22.1	28	141.7	--	--
Kruger K-6517TS	4	32473	21.5	39	141.1	--	--
Kruger K-8112HX	4	33276	20.5	7	138.6	--	--
Rainbow 3105YGCB	6	34846	19.3	23	134.5	214.8	174.7
Midland MG 7A58BR	7	33460	23.6	50	130.1	242.1*	186.1
TEST AVERAGE		33915	20.4	14	157.3	228.9	193.1
L.S.D. AT .10		2002	2.0	17	14.6	22.8	
C.V. %		4.3	7.4		6.6	7.3	

-- Data not available.

** Highest yielding hybrid in the test.

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

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 14. Irrigated Corn Test

Central Region: Laddonia, MO (Audrain County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.8, OM=1.7%, P=60, K=212

European Corn Borer Rating: Damaged Plants=80%, Tunnel Length/Plant=1.2 in.

Rainfall: May=5.9, June=4.4, July=14.4, Aug.=1.5,Sept.=11.9 Total=38.1

Irrigation: 1.25 in.

Brand-Variety	Seed Treatment ⁺	2008			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	2 Yr. Mean
				-----bu/acre-----			
Midwest Seed 79123VT3	4	36102	20.4	0	207.3**	--	--
AgriGold A6479VT3	6, 7	34406	20.6	0	204.9*	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	35619	19.1	0	199.4*	--	--
NC+ 5393VT3	4	35198	23.3	0	199.4*	--	--
AgriGold 6399VT3	6, 7	35689	18.4	0	198.3*	--	--
Midland MG 779BT	7	35443	26.9	0	195.7*	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	36520	25.6	0	195.4*	--	--
DEKALB RX785VT3	1, 6, 7, 8	35972	22.4	0	195.2*	--	--
Kruger K-6013VT3	4	35141	24.7	0	194.0*	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	31708	24.0	0	193.9	--	--
Kruger K-6111TS	4	35056	23.9	0	193.2	--	--
Kruger K-6114VT3	4	35972	24.9	0	193.1	--	--
Midwest Seed 80404VT3	4	34537	23.2	0	192.1	--	--
Kruger K-6412VT3	4	36269	21.2	0	191.8	--	--
Kruger K-6413VT3	4	35593	23.4	0	191.1	--	--
Kruger K-5116YGCB	4	34703	23.4	0	190.1	--	--
Rainbow 3158YGCB	6	33575	26.0	0	189.7	191.4	190.6
AgriGold A6489VT3	6, 7	36341	24.4	0	189.4	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	34639	23.5	0	189.3	--	--
AgriGold A6533VT3	6, 7	33094	24.9	0	188.1	--	--
Kruger K-6411VT3	4	34474	23.4	0	187.2	--	--
Rainbow 3142YGCB	6	33601	22.2	0	187.2	203.6*	195.4
Midland MG 7A58BR	7	34269	26.0	0	186.5	190.4	188.5
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	33967	24.6	0	186.5	--	--
Kruger K-7010YGPL	4	35127	20.3	0	185.7	--	--
AgriGold A6632VT3	6, 7	34247	26.9	0	185.0	--	--
Rainbow X1107VT3	6	32303	20.7	0	184.8	--	--
NuTech 1B-516 CB/LL	4	34253	27.8	0	184.6	--	--
NC+ 5453VT3	4	34696	25.0	0	184.3	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	36569	24.8	0	184.1	--	--
Kruger K-6517TS	4	33095	26.7	0	183.0	--	--
G2 Genetics 1H-911 HX/LL	5, 7	33793	22.8	0	182.6	--	--
NC+ 4777VT3	4	34782	22.1	0	180.3	--	--
NC+ 4252VT3	4	34878	23.4	0	180.2	--	--
Kruger K-6015VT3	4	34736	25.7	0	180.1	--	--
Rainbow 3105YGCB	6	31581	25.0	0	179.2	192.3	185.8
Rainbow X1157	6	34114	26.0	0	178.6	201.3*	190.0
Kruger K-6210TS	4	35875	19.1	0	178.4	--	--
Kruger K-5213YGCB	4	34941	23.5	0	177.9	--	--
Fielder's Choice NG 6834	7	30897	25.2	0	176.9	--	--
Kruger K-6212TS	4	32363	26.0	0	176.2	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	30501	21.9	0	175.3	--	--
Kruger K-9414RR/HXT	4	33822	27.1	0	175.2	--	--
Fielder's Choice NG 6811	7	30179	25.7	0	174.7	--	--
Mycogen 2T783	4	35162	25.3	0	173.8	--	--

TABLE 14. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
Mycogen 2T826	4	33854	27.1	0	173.3	--	--
Rainbow X1147RRYGCB	6	32876	25.7	0	172.1	198.3	185.2
Mycogen 2Y737	4	35586	24.7	0	171.5	--	--
Kruger K-8112HX	4	33833	23.8	0	171.5	--	--
Fielder's Choice NG 6820	7	34139	23.0	0	167.6	--	--
Midland MG 697BT	7	33445	25.4	0	166.0	--	--
Rainbow X1078	6	34746	20.1	0	165.8	--	--
TEST AVERAGE		34313	23.9	0	184.8	200.7	192.8
L.S.D. AT .10		1951	2.5	0	13.3	24.5	
C.V. %		4.1	7.6		5.3	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= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 15. Performance Summary for Irrigated Hybrids evaluated at Two Central Missouri locations (Columbia, Laddonia) during 2008.

Columbia
 Planted: 06-18
 Harvested: 11-18
 Growing Season Rainfall: 27.4
 Irrigation: 1.6 in.

Laddonia
 Planted: 05-06
 Harvested: 10-2
 Growing Season Rainfall: 38.1
 Irrigation: 1.25 in.

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Columbia	Laddonia	
Irrigated			
AgriGold A6479VT3	173.5*	204.9*	189.2**
Midwest Seed 79123VT3	166.4*	207.3**	186.8*
NC+ 5393VT3	174.0*	199.4*	186.7*
Kruger K-6013VT3	174.4**	194.0*	184.2*
AgriGold 6399VT3	167.0*	198.3*	182.6*
Pioneer 33T57 (HX1,LL,RR2)	171.3*	193.9	182.6*
Midland MG 779BT	169.0*	195.7*	182.3*
DEKALB DKC61-69 (VT3)	161.0*	199.4*	180.2*
Kruger K-6114VT3	166.2*	193.1	179.6*
DEKALB RX785VT3	160.9*	195.2*	178.0
AgriGold A6533VT3	166.8*	188.1	177.4
DEKALB DKC64-24 (VT3)	163.6*	189.3	176.4
Kruger K-7010YGPL	165.9*	185.7	175.8
Kruger K-6210TS	173.1*	178.4	175.8
Kruger K-6411VT3	163.3*	187.2	175.2
Midwest Seed 80404VT3	157.0	192.1	174.6
G2 Genetics 1H-911 HX/LL	166.2*	182.6	174.4
DEKALB DKC65-44 (VT3)	153.3	195.4*	174.3
Kruger K-5213YGCB	170.8*	177.9	174.3
Kruger K-6111TS	155.2	193.2	174.2
AgriGold A6489VT3	158.6	189.4	174.0
Kruger K-6412VT3	154.9	191.8	173.3
AgriGold A6632VT3	161.5*	185.0	173.2
Kruger K-6413VT3	155.4	191.1	173.2
NuTech 1B-516 CB/LL	159.5	184.6	172.0
DEKALB DKC63-42 (VT3)	157.6	186.5	172.0
Kruger K-5116YGCB	152.5	190.1	171.3
NC+ 5453VT3	157.7	184.3	171.0
Pioneer 33K44 (HX1,LL,RR2)	157.2	184.1	170.6
NC+ 4252VT3	160.5*	180.2	170.3
Rainbow X1157	161.0*	178.6	169.8
Rainbow 3142YGCB	150.0	187.2	168.6
NC+ 4777VT3	155.1	180.3	167.7
Pioneer 34R67 (HX1,LL,RR2)	157.8	175.3	166.6
Rainbow X1147RRYGCB	160.7*	172.1	166.4
Kruger K-6015VT3	152.6	180.1	166.4
Fielder's Choice NG 6834	155.8	176.9	166.3
Rainbow 3158YGCB	141.7	189.7	165.7
Mycogen 2T783	156.0	173.8	164.9
Fielder's Choice NG 6811	154.3	174.7	164.5
Mycogen 2T826	155.6	173.3	164.4
Kruger K-6212TS	152.3	176.2	164.2
Rainbow X1107VT3	143.0	184.8	163.9
Mycogen 2Y737	154.7	171.5	163.1
Kruger K-6517TS	141.1	183.0	162.0

Table 15. Continued.

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Columbia	Laddonia	
Irrigated			
Fielder's Choice NG 6820	150.8	167.6	159.2
Midland MG 697BT	150.9	166.0	158.4
Kruger K-9414RR/HXT	141.7	175.2	158.4
Midland MG 7A58BR	130.1	186.5	158.3
Rainbow 3105YGCB	134.5	179.2	156.8
Rainbow X1078	145.0	165.8	155.4
Kruger K-8112HX	138.6	171.5	155.0
TEST AVERAGE	157.3	184.8	171.1
L.S.D. AT .10	14.6	13.3	9.8
C.V. %	6.6	5.3	6.0

** Highest yielding hybrid in the test.

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

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

Southwest Region Crop Management Summary

There are three locations in the Southwest Region for the Non-Irrigated Corn Test and two locations for Irrigated Corn Test. 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 slightly between locations, but tend to reflect those followed by farmers in the area.

Abundant to excessive rainfall throughout the growing season in Southwest Missouri helped most of the corn tests perform well. The Urich Non-Irrigated Test was never planted because of continued spring rainfall, the farmer there changed cropping plans for that field. The remaining tests survived the wet year and produced mostly average yields.

Climatological information for the growing season (May 1 – Sept. 30) for the Southwest Region is summarized below and cultural practices for each site are listed in Table 21.

Average temperature = 72.0 degrees, 0.2 degrees below normal

Average precipitation = 35.7 “, 12.7” above normal

Growing degree days = 3312 days, 116 days below normal

Table 16. Southwest Region Crop Management Summary

Location	Planting date	Harvest date	Fertilizer			Tillage	Herbicide		Insecticide
			N	P ₂ O ₅	K ₂ O		Pre	Post	
<i>Non-Irrigated Corn Tests</i>									
Harrisonville	05-19	09-26	220	80	120	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Lamar	05-21	10-10	255	200	150	Conv.	Dual II Magnum, Aatrex, Callisto, Princep	Callisto	Force 3G
<i>Irrigated Corn Tests</i>									
Harrisonville	05-19	09-26	275	80	60	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Lamar	05-20	10-10	270	52	80	Conv.	Dual II Magnum, Aatrex, Callisto, Princep	Callisto	Force 3G

TABLE 17. Non-Irrigated Corn Test

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=5.8, OM=2.8%, P=102, K=572

European Corn Borer Rating: Damaged Plants= 40%, Tunnel Length/Plant=1.8 in.

Rainfall: May=4.4, June=9.6, July=4.3, Aug.=1.4,Sept.=6.9 Total=26.7

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 bu/acre	2007 bu/acre	
DEKALB DKC64-79 (VT3)	1, 6, 7, 8	27533	26.1	0	172.9**	--	--
Midwest Seed 79123VT3	4	28463	27.2	0	166.0*	--	--
NC+ 4777VT3	4	27417	25.7	0	164.9*	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	26578	24.5	0	162.8*	--	--
Pioneer 35F40 (HX1,LL,RR2)	1, 5, 6, 7	27073	21.5	0	162.3*	--	--
Mycogen 2T783	4	27126	28.4	0	161.7*	--	--
Stone 8T339VT3	6, 7	27072	27.4	0	160.5*	--	--
Kruger K-6212TS	4	26789	27.2	0	160.1*	--	--
Mycogen 2T826	4	28107	27.9	0	160.0*	--	--
Dyna-Gro 57V30	1, 6, 7, 8	27080	24.3	0	159.3*	--	--
DEKALB RX785VT3	1, 6, 7, 8	27406	26.2	0	158.3*	--	--
Kruger K-8616HX	4	26718	27.3	0	157.4*	--	--
Kruger K-5116YGCB	4	26266	27.6	0	157.2*	--	--
Dyna-Gro 58P60	1, 6, 7, 8	27884	28.6	3	156.7*	--	--
Kruger K-6013VT3	4	26844	26.4	1	156.5*	--	--
Midland MG 417BT	7	27286	23.6	0	156.2*	--	--
Midland MG 658HL	7	27618	24.8	0	155.7*	--	--
NC+ 5453VT3	4	26833	27.4	0	155.4*	--	--
Kruger K-6111TS	4	27523	27.3	0	154.4	--	--
Stone 7T927VT3	6, 7	26753	23.1	0	154.3	--	--
Dyna-Gro 57V07	1, 6, 7, 8	26596	27.8	0	154.1	--	--
Kruger K-6412VT3	4	26577	24.4	0	154.0	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	27413	27.5	1	152.6	--	--
Dyna-Gro 57V05	1, 6, 7, 8	27906	28.3	0	152.5	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	25202	24.6	0	151.5	--	--
Dyna-Gro 57T61	1, 6, 7, 8	27649	28.0	0	150.9	--	--
Kruger K-6114VT3	4	26130	26.1	0	150.8	--	--
Rainbow X1078	6	27517	22.8	0	150.1	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	26736	25.2	0	149.9	--	--
Dyna-Gro 57V77	1, 6, 7, 8	25519	25.9	0	148.2	--	--
Midland MG 7A58BR	7	26475	28.3	0	148.1	182.5	165.3
Mycogen 2C727	4	27297	23.1	0	147.8	197.3	172.6
Stone 7T231VT3	6, 7	27433	24.5	0	147.7	--	--
Dyna-Gro CXO8216	1, 6, 7, 8	27389	28.3	0	146.3	--	--
Kruger K-6015VT3	4	26001	26.8	0	145.9	--	--
Kruger K-9414RR/HXT	4	26004	28.1	1	145.7	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	26498	29.2	0	145.0	--	--
Kruger K-6413VT3	4	27735	24.7	0	144.4	--	--
Dyna-Gro 57V44	1, 6, 7, 8	24988	24.3	0	144.0	--	--
Kruger K-2115RR/YGCB	4	26939	25.7	0	144.0	--	--
NC+ 4252VT3	4	27678	24.7	0	143.7	--	--
Midwest Seed 79504VT3	4	26712	26.6	0	143.6	--	--
Dyna-Gro 58P27	1, 6, 7, 8	27516	30.0	0	143.3	--	--
Mycogen 2Y737	4	26476	27.2	0	143.0	--	--
Kruger K-8112HX	4	27431	26.0	0	142.7	--	--

TABLE 17. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
NC+ 5393VT3	4	26278	28.4	0	142.6	--	--
Kruger K-5213YGCB	4	28834	25.3	0	142.1	--	--
Kruger K-6411VT3	4	27320	25.4	0	141.1	--	--
Dyna-Gro 57R91	1, 6, 7, 8	27187	25.6	0	141.1	--	--
Rainbow 3105YGCB	6	26641	24.7	0	140.8	--	--
Kruger K-6517TS	4	25671	27.1	1	140.7	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	27078	25.8	0	136.8	--	--
Mycogen 2C598	4	26709	24.2	0	136.4	--	--
DEKALB DKC62-99 (RR2/YGCB)	1, 6, 7, 8	27639	24.1	0	135.4	--	--
Dyna-Gro 57V21	1, 6, 7, 8	27539	28.1	0	135.1	--	--
TEST AVERAGE		27001	26.2	0	150.4	195.2	172.8
L.S.D. AT .10		1158	2.0	NS	18.3	24.7	
C.V. %		3.1	5.6		9.0	8.8	

-- 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= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 18. Non-Irrigated Corn Test

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parson Silt Loam Soil Test: pH=7.0, OM=1.6%, P=144, K=284

European Corn Borer Rating: Damaged Plants= 12%, Tunnel Length/Plant=0.2 in.

Rainfall: May=11.8, June=11.3, July=4.5, Aug.=1.7,Sept.=10.4 Total=39.7

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	28078	14.4	0	147.3**	--	--
Midwest Seed 79504VT3	4	26271	14.8	0	139.4*	--	--
Midwest Seed 79123VT3	4	26997	15.4	0	137.8*	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	26624	15.4	0	135.7*	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	25682	14.4	1	135.4*	--	--
DEKALB DKC64-79 (VT3)	1, 6, 7, 8	25774	15.6	0	134.7*	--	--
NC+ 4252VT3	4	26702	14.0	0	133.1*	--	--
NC+ 5393VT3	4	28080	15.0	0	131.1*	--	--
Kruger K-6013VT3	4	24345	15.6	0	129.8*	--	--
Mycogen 2Y737	4	28044	15.4	0	129.4*	--	--
Pioneer 35F40 (HX1,LL,RR2)	1, 5, 6, 7	25706	14.0	0	127.7	--	--
Stone 7T231VT3	6, 7	28391	14.3	0	126.1	--	--
Kruger K-5116YGCB	4	24082	15.4	0	126.1	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	23702	15.1	0	125.7	--	--
DEKALB RX785VT3	1, 6, 7, 8	25601	14.5	0	125.7	--	--
Stone 8T339VT3	6, 7	29737	17.4	0	125.5	--	--
Kruger K-6111TS	4	24343	15.4	0	125.4	--	--
Kruger K-6212TS	4	25164	15.2	0	125.0	--	--
DEKALB DKC62-99 (RR2/YGCB)	1, 6, 7, 8	25893	14.5	0	124.5	--	--
Dyna-Gro 57V30	1, 6, 7, 8	27368	13.8	2	124.2	--	--
Kruger K-5213YGCB	4	28855	15.6	0	122.8	--	--
Kruger K-6517TS	4	23773	15.4	0	122.7	--	--
Dyna-Gro 57V44	1, 6, 7, 8	26835	15.0	0	119.8	--	--
Kruger K-6015VT3	4	24319	15.3	0	119.8	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	23028	15.5	0	119.8	--	--
NC+ 5453VT3	4	25472	15.4	4	119.6	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	21182	15.2	0	118.3	--	--
Dyna-Gro 57V05	1, 6, 7, 8	23554	17.5	0	117.5	--	--
NC+ 4777VT3	4	24149	14.1	0	116.0	--	--
Stone 7T927VT3	6, 7	19641	15.4	0	115.9	--	--
Kruger K-2115RR/YGCB	4	26554	16.0	0	115.7	--	--
Kruger K-6114VT3	4	20008	15.8	1	115.2	--	--
Kruger K-6411VT3	4	26464	14.8	0	115.0	--	--
Midland MG 417BT	7	24270	14.4	0	114.6	--	--
Kruger K-6412VT3	4	26123	15.5	0	114.0	--	--
Mycogen 2C727	4	25819	14.4	1	112.6	169.9*	141.3
Kruger K-6413VT3	4	25938	14.5	1	111.7	--	--
Rainbow X1078	6	25984	9.6	0	110.1	--	--
Kruger K-8616HX	4	26987	15.6	0	109.8	--	--
Rainbow 3105YGCB	6	23670	15.5	1	109.7	--	--
Dyna-Gro 58P27	1, 6, 7, 8	25687	19.7	0	109.5	--	--
Dyna-Gro 57V21	1, 6, 7, 8	20834	16.2	0	109.0	--	--
Dyna-Gro 58P60	1, 6, 7, 8	25091	23.8	0	107.7	--	--
Midland MG 7A58BR	7	25136	15.9	0	107.2	144.4	125.8
Dyna-Gro CXO8216	1, 6, 7, 8	24952	15.7	0	105.2	--	--

TABLE 18. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2007	
Dyna-Gro 57V07	1, 6, 7, 8	26455	15.6	0	99.3	--	--
Dyna-Gro 57V77	1, 6, 7, 8	26260	15.6	2	98.8	--	--
Kruger K-9414RR/HXT	4	24961	15.6	3	98.3	--	--
Dyna-Gro 57R91	1, 6, 7, 8	23821	15.4	3	96.5	--	--
Mycogen 2T783	4	23037	15.4	0	92.2	--	--
Dyna-Gro 57T61	1, 6, 7, 8	25735	15.6	0	91.9	--	--
Mycogen 2T826	4	19845	16.1	0	88.5	--	--
Midland MG 658HL	7	20035	15.8	1	87.1	--	--
Mycogen 2C598	4	22555	14.6	0	79.8	--	--
Kruger K-8112HX	4	26216	13.4	0	78.2	--	--
TEST AVERAGE		25088	15.4	0	116.0	160.3	138.2
L.S.D. AT .10		5328	1.9	NS	18.6	23.3	
C.V. %		14.5	8.7		11.1	10.2	

-- Data not available.

** Highest yielding hybrid in the test.

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

NS Not Significant

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 19. Performance Summary for Non-Irrigated Hybrids evaluated at Two Southwest Missouri locations (Harrisonville, Lamar) during 2008.

<u>Harrisonville</u> Planted: 05-19 Harvested: 9-26 Growing Season Rainfall: 26.7 Irrigation:	<u>Lamar</u> Planted: 05-21 Harvested: 10-10 Growing Season Rainfall: 39.7 Irrigation:
---	--

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Harrisonville	Lamar	
Non-Irrigated			
DEKALB DKC64-79 (VT3)	172.9**	134.7*	153.8**
Midwest Seed 79123VT3	166.0*	137.8*	151.9*
DEKALB DKC61-69 (VT3)	149.9	147.3**	148.6*
Pioneer 35F40 (HX1,LL,RR2)	162.3*	127.7	145.0*
Pioneer 33T57 (HX1,LL,RR2)	162.8*	125.7	144.2*
Pioneer 33K44 (HX1,LL,RR2)	152.6	135.7*	144.2*
Kruger K-6013VT3	156.5*	129.8*	143.2*
Stone 8T339VT3	160.5*	125.5	143.0*
Kruger K-6212TS	160.1*	125.0	142.6*
DEKALB RX785VT3	158.3*	125.7	142.0*
Dyna-Gro 57V30	159.3*	124.2	141.8*
Kruger K-5116YGCB	157.2*	126.1	141.6*
Midwest Seed 79504VT3	143.6	139.4*	141.5*
NC+ 4777VT3	164.9*	116.0	140.4
Dyna-Gro CXO8514	145.0	135.4*	140.2
Kruger K-6111TS	154.4	125.4	139.9
NC+ 4252VT3	143.7	133.1*	138.4
NC+ 5453VT3	155.4*	119.6	137.5
Stone 7T231VT3	147.7	126.1	136.9
NC+ 5393VT3	142.6	131.1*	136.8
Mycogen 2Y737	143.0	129.4*	136.2
Midland MG 417BT	156.2*	114.6	135.4
Stone 7T927VT3	154.3	115.9	135.1
Dyna-Gro 57V05	152.5	117.5	135.0
Pioneer 34R67 (HX1,LL,RR2)	151.5	118.3	134.9
Kruger K-6412VT3	154.0	114.0	134.0
Kruger K-8616HX	157.4*	109.8	133.6
Kruger K-6114VT3	150.8	115.2	133.0
Kruger K-6015VT3	145.9	119.8	132.8
Kruger K-5213YGCB	142.1	122.8	132.4
Dyna-Gro 58P60	156.7*	107.7	132.2
Dyna-Gro 57V44	144.0	119.8	131.9
Kruger K-6517TS	140.7	122.7	131.7
Mycogen 2C727	147.8	112.6	130.2
Rainbow X1078	150.1	110.1	130.1
DEKALB DKC62-99 (RR2/YGCB)	135.4	124.5	129.9
Kruger K-2115RR/YGCB	144.0	115.7	129.8
DEKALB DKC65-44 (VT3)	136.8	119.8	128.3
Kruger K-6411VT3	141.1	115.0	128.0
Kruger K-6413VT3	144.4	111.7	128.0
Midland MG 7A58BR	148.1	107.2	127.6
Mycogen 2T783	161.7*	92.2	126.9
Dyna-Gro 57V07	154.1	99.3	126.7
Dyna-Gro 58P27	143.3	109.5	126.4
Dyna-Gro CXO8216	146.3	105.2	125.8

Table 19. Continued.

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Harrisonville	Lamar	
Non-Irrigated			
Rainbow 3105YGCB	140.8	109.7	125.2
Mycogen 2T826	160.0*	88.5	124.2
Dyna-Gro 57V77	148.2	98.8	123.5
Dyna-Gro 57V21	135.1	109.0	122.0
Kruger K-9414RR/HXT	145.7	98.3	122.0
Dyna-Gro 57T61	150.9	91.9	121.4
Midland MG 658HL	155.7*	87.1	121.4
Dyna-Gro 57R91	141.1	96.5	118.8
Kruger K-8112HX	142.7	78.2	110.4
Mycogen 2C598	136.4	79.8	108.1
TEST AVERAGE	150.4	116.0	133.2
L.S.D. AT .10	18.3	18.6	12.9
C.V. %	9.0	11.1	10.1

** Highest yielding hybrid in the test.

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

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

TABLE 20. Irrigated Corn Test

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=6.1, OM=2.6%, P=74, K=456

European Corn Borer Rating: Damaged Plants= 28%, Tunnel Length/Plant=1.2 in.

Rainfall: May=4.4, June=9.6, July=4.3, Aug.=1.4,Sept.=6.9 Total=26.7

Irrigation: 2.5 in.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2006	
Rainbow 3158YGCB	6	31513	25.4	0	263.0**	244.5*	253.8
Dyna-Gro 57V98	1, 6, 7, 8	31631	24.8	0	247.3*	--	--
NC+ 5393VT3	4	30765	25.7	0	246.4*	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	31025	24.3	0	245.5*	--	--
Rainbow 3105YGCB	6	31962	24.5	0	240.4	233.4	236.9
Rainbow X1157	6	30956	28.5	0	240.3	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	32665	25.2	0	239.5	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	32145	25.6	0	239.2	--	--
Dyna-Gro 57V07	1, 6, 7, 8	30483	24.2	0	239.0	--	--
Midwest Seed 79123VT3	4	31361	25.2	0	238.9	--	--
Dyna-Gro 57V21	1, 6, 7, 8	32669	29.9	0	237.9	--	--
Kruger K-6114VT3	4	32294	25.7	0	237.9	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	31394	25.4	0	237.5	--	--
USA 1145bt	6	31649	25.7	0	235.4	--	--
Dyna-Gro 58P60	1, 6, 7, 8	32180	26.0	0	235.2	--	--
Midland MG 7A58BR	7	32498	26.9	6	233.3	222.2	227.8
Kruger K-6210TS	4	30796	24.3	1	231.2	--	--
Fielder's Choice NG 6811	7	29036	24.2	0	230.8	--	--
Kruger K-7010YGPL	4	32586	25.0	0	229.8	--	--
Dyna-Gro 57T61	1, 6, 7, 8	32115	29.8	0	229.5	--	--
Kruger K-6013VT3	4	31684	24.8	0	228.7	--	--
Kruger K-6212TS	4	31350	25.4	0	227.4	--	--
Dyna-Gro 57V44	1, 6, 7, 8	30416	24.3	0	226.9	--	--
Kruger K-6111TS	4	30984	23.9	0	226.7	--	--
Dyna-Gro 57V05	1, 6, 7, 8	32274	29.5	2	226.3	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	31657	24.1	0	225.3	--	--
Kruger K-6413VT3	4	33335	24.8	0	225.0	--	--
USA 1145	6	30838	27.7	0	224.2	231.9	228.1
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	32212	26.5	0	224.0	--	--
Mycogen 2Y737	4	31798	27.0	0	224.0	--	--
Fielder's Choice NG 6834	7	30261	25.7	0	223.4	--	--
Dyna-Gro 58P27	1, 6, 7, 8	31755	30.8	0	223.0	--	--
DEKALB DKC62-99 (RR2/YGCB)	1, 6, 7, 8	32324	25.1	0	222.3	--	--
Rainbow X1107VT3	6	32163	24.7	0	220.6	--	--
Dyna-Gro CXO8216	1, 6, 7, 8	32965	29.1	0	219.9	--	--
Kruger K-6517TS	4	30354	27.2	0	219.7	--	--
Rainbow X1078	6	32388	23.5	0	219.2	--	--
Midland MG 779BT	7	32291	30.2	0	219.2	--	--
Kruger K-6412VT3	4	32569	24.9	0	218.9	--	--
Mycogen 2T826	4	31443	27.4	0	218.7	--	--
NC+ 5453VT3	4	32415	25.5	0	218.4	--	--
Kruger K-5116YGCB	4	31743	27.6	0	218.3	--	--
Kruger K-6411VT3	4	31081	25.8	0	217.7	--	--
NC+ 4777VT3	4	32693	24.9	0	217.3	--	--
Rainbow X1147RRYGCB	6	29961	24.5	0	217.1	--	--

TABLE 20. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2006	2 Yr. Mean
NC+ 4252VT3	4	33588	25.4	1	217.0	--	--
DEKALB RX785VT3	1, 6, 7, 8	30567	24.5	0	216.8	--	--
Kruger K-8112HX	4	32891	23.9	0	216.7	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	30940	25.6	0	216.7	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	29000	24.8	0	216.6	--	--
Kruger K-5213YGCB	4	32650	26.1	0	216.1	--	--
Dyna-Gro 57V30	1, 6, 7, 8	32429	23.3	0	215.9	--	--
Kruger K-6015VT3	4	32151	27.2	0	215.8	--	--
Dyna-Gro 57V77	1, 6, 7, 8	32667	24.6	0	215.6	--	--
Midwest Seed 80404VT3	4	31586	25.7	0	214.5	--	--
Dyna-Gro 57V62	1, 6, 7, 8	31709	25.2	0	213.6	--	--
Kruger K-9414RR/HXT	4	31480	30.1	0	210.0	--	--
Mycogen 2T783	4	31633	28.9	1	208.2	--	--
Dyna-Gro 57R91	1, 6, 7, 8	31316	24.9	0	189.0	--	--
TEST AVERAGE		31683	26.0	0	225.6	223.1	224.4
L.S.D. AT .10		1690	2.2	NS	22.5	16.6	
C.V. %		3.7	6.1		7.0	5.1	

-- Data not available.

** Highest yielding hybrid in the test.

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

NS Not Significant

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 21. Irrigated Corn Test

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parson Silt Loam Soil Test: pH=7.1, OM=1.7%, P=128, K=288

European Corn Borer Rating: Damaged Plants=40 %, Tunnel Length/Plant=0.8 in.

Rainfall: May=11.8, June=11.3, July=4.5, Aug.=1.7,Sept.=10.4 Total=39.7

Irrigation: 1.2 in.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	33878	11.2	0	207.6**	--	--
Midwest Seed 79123VT3	4	35081	16.7	0	206.2*	--	--
Kruger K-6413VT3	4	35422	12.7	0	204.8*	--	--
Pioneer 33K44 (HX1,LL,RR2)	1, 5, 6, 7	36553	17.5	0	204.5*	--	--
Kruger K-6015VT3	4	35301	13.5	0	203.4*	--	--
Kruger K-6013VT3	4	36181	17.1	0	202.5*	--	--
Pioneer 33T57 (HX1,LL,RR2)	1, 5, 6, 7	32062	17.2	0	201.8*	--	--
Kruger K-5116YGCB	4	33096	16.2	0	201.6*	209.0	205.3
DEKALB DKC62-99 (RR2/YGCB)	1, 6, 7, 8	33460	12.6	0	201.3*	--	--
NC+ 4252VT3	4	34506	13.2	0	200.5*	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	34116	15.1	0	199.5*	--	--
Dyna-Gro 57V44	1, 6, 7, 8	31529	12.9	0	199.1*	--	--
Kruger K-6111TS	4	33713	15.8	0	198.8*	--	--
Fielder's Choice NG 6811	7	32176	11.8	0	197.7*	--	--
Kruger K-6210TS	4	34911	15.3	0	197.3*	--	--
DEKALB RX785VT3	1, 6, 7, 8	35205	12.9	0	196.5*	--	--
NC+ 5393VT3	4	32976	17.0	0	194.9*	--	--
NC+ 4777VT3	4	34395	11.3	0	194.8*	--	--
Kruger K-6114VT3	4	34433	17.4	0	194.3	--	--
Dyna-Gro 58P27	1, 6, 7, 8	26620	19.9	0	193.8	--	--
DEKALB DKC65-44 (VT3)	1, 6, 7, 8	34519	17.4	0	193.8	--	--
Dyna-Gro 57V62	1, 6, 7, 8	33383	16.0	0	193.7	--	--
DEKALB DKC64-24 (VT3)	1, 6, 7, 8	33683	13.4	0	193.5	--	--
Rainbow 3158YGCB	6	34568	17.1	0	193.3	184.1	188.7
Dyna-Gro 57V30	1, 6, 7, 8	34651	11.6	0	192.8	--	--
Pioneer 34R67 (HX1,LL,RR2)	1, 5, 6, 7	31465	14.4	0	192.8	--	--
Midland MG 779BT	7	33088	15.5	0	192.6	--	--
Kruger K-6411VT3	4	35106	11.5	0	191.1	--	--
Mycogen 2T826	4	31665	17.6	0	190.6	--	--
Dyna-Gro 57V05	1, 6, 7, 8	34075	17.3	0	190.6	--	--
Dyna-Gro 57V07	1, 6, 7, 8	34213	18.5	0	190.0	--	--
Midland MG 7A58BR	7	35352	17.4	0	190.0	208.9	199.5
Dyna-Gro 57V21	1, 6, 7, 8	30014	17.1	0	189.8	--	--
Midwest Seed 80404VT3	4	33556	15.1	0	188.9	--	--
Kruger K-5213YGCB	4	34253	17.0	0	188.9	--	--
Kruger K-7010YGPL	4	34984	12.0	0	188.4	--	--
NC+ 5453VT3	4	34492	14.8	0	188.3	--	--
Kruger K-6517TS	4	31965	17.3	0	188.3	--	--
Dyna-Gro CXO8514	1, 6, 7, 8	34178	17.1	0	188.3	--	--
Dyna-Gro 58P60	1, 6, 7, 8	31903	19.3	0	187.7	--	--
Rainbow X1107VT3	6	32685	16.4	0	185.3	--	--
Kruger K-6412VT3	4	35678	15.8	0	185.1	--	--
Dyna-Gro 57V77	1, 6, 7, 8	33486	16.4	0	184.9	--	--
Kruger K-6212TS	4	32449	15.5	0	184.2	--	--
Dyna-Gro 57T61	1, 6, 7, 8	35029	17.4	0	183.6	--	--

TABLE 21. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
Dyna-Gro 57V98	1, 6, 7, 8	32427	13.2	0	183.5	--	--
USA 1145bt	6	33467	17.4	0	182.7	201.7	192.2
Kruger K-9414RR/HXT	4	32550	19.0	0	182.1	--	--
Mycogen 2Y737	4	34887	17.3	0	180.9	--	--
Rainbow X1078	6	34815	12.7	0	180.7	--	--
Fielder's Choice NG 6834	7	30275	17.1	0	179.9	--	--
USA 1145	6	31962	17.2	0	177.5	204.0	190.8
Kruger K-8112HX	4	35138	17.5	0	177.3	--	--
Dyna-Gro 57R91	1, 6, 7, 8	29431	16.1	0	175.9	--	--
Rainbow 3105YGCB	6	33207	15.1	0	174.4	203.8	189.1
Rainbow X1147RRYGCB	6	30525	17.1	0	173.9	204.3	189.1
Mycogen 2T783	4	32043	18.1	0	172.3	--	--
Dyna-Gro CXO8216	1, 6, 7, 8	32506	17.4	0	167.0	--	--
Rainbow X1157	6	32989	19.2	0	159.9	202.3	181.1
TEST AVERAGE		33428	15.8	0	189.9	203.3	196.6
L.S.D. AT .10		3036	2.2	0	12.9	14.3	
C.V. %		6.3	10.1		4.7	4.9	

-- Data not available.

** Highest yielding hybrid in the test.

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

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 22. Performance Summary for Irrigated Hybrids evaluated at Two Southwest Missouri locations (Harrisonville, Lamar) during 2008.

Harrisonville
 Planted: 05-19
 Harvested: 9-26
 Growing Season Rainfall: 26.7
 Irrigation: 2.5 in.

Lamar
 Planted: 05-20
 Harvested: 10-10
 Growing Season Rainfall: 39.7
 Irrigation: 1.2 in.

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Harrisonville	Lamar	
Irrigated			
Rainbow 3158YGCB	263.0**	193.3	228.2**
Pioneer 33T57 (HX1,LL,RR2)	245.5*	201.8*	223.6*
DEKALB DKC61-69 (VT3)	237.5	207.6**	222.6*
Midwest Seed 79123VT3	238.9	206.2*	222.5*
Pioneer 33K44 (HX1,LL,RR2)	239.5	204.5*	222.0*
NC+ 5393VT3	246.4*	194.9*	220.6*
DEKALB DKC63-42 (VT3)	239.2	199.5*	219.3*
Kruger K-6114VT3	237.9	194.3	216.1*
Kruger K-6013VT3	228.7	202.5*	215.6*
Dyna-Gro 57V98	247.3*	183.5	215.4*
Kruger K-6413VT3	225.0	204.8*	214.9
Dyna-Gro 57V07	239.0	190.0	214.5
Fielder's Choice NG 6811	230.8	197.7*	214.2
Kruger K-6210TS	231.2	197.3*	214.2
Dyna-Gro 57V21	237.9	189.8	213.8
Dyna-Gro 57V44	226.9	199.1*	213.0
Kruger K-6111TS	226.7	198.8*	212.8
DEKALB DKC62-99 (RR2/YGCB)	222.3	201.3*	211.8
Midland MG 7A58BR	233.3	190.0	211.6
Dyna-Gro 58P60	235.2	187.7	211.4
Kruger K-5116YGCB	218.3	201.6*	210.0
Kruger K-6015VT3	215.8	203.4*	209.6
DEKALB DKC64-24 (VT3)	225.3	193.5	209.4
Kruger K-7010YGPL	229.8	188.4	209.1
USA 1145bt	235.4	182.7	209.0
DEKALB DKC65-44 (VT3)	224.0	193.8	208.9
NC+ 4252VT3	217.0	200.5*	208.8
Dyna-Gro 57V05	226.3	190.6	208.4
Dyna-Gro 58P27	223.0	193.8	208.4
Rainbow 3105YGCB	240.4	174.4	207.4
DEKALB RX785VT3	216.8	196.5*	206.6
Dyna-Gro 57T61	229.5	183.6	206.6
NC+ 4777VT3	217.3	194.8*	206.0
Midland MG 779BT	219.2	192.6	205.9
Kruger K-6212TS	227.4	184.2	205.8
Pioneer 34R67 (HX1,LL,RR2)	216.6	192.8	204.7
Mycogen 2T826	218.7	190.6	204.6
Kruger K-6411VT3	217.7	191.1	204.4
Dyna-Gro 57V30	215.9	192.8	204.3
Kruger K-6517TS	219.7	188.3	204.0
Dyna-Gro 57V62	213.6	193.7	203.6
NC+ 5453VT3	218.4	188.3	203.3
Rainbow X1107VT3	220.6	185.3	203.0
Kruger K-5213YGCB	216.1	188.9	202.5
Dyna-Gro CXO8514	216.7	188.3	202.5

Table 22. Continued.

Brand-Hybrid	Yield (Bu/Acre)		Mean
	Harrisonville	Lamar	
Irrigated			
Mycogen 2Y737	224.0	180.9	202.4
Kruger K-6412VT3	218.9	185.1	202.0
Midwest Seed 80404VT3	214.5	188.9	201.7
Fielder's Choice NG 6834	223.4	179.9	201.6
USA 1145	224.2	177.5	200.8
Dyna-Gro 57V77	215.6	184.9	200.2
Rainbow X1157	240.3	159.9	200.1
Rainbow X1078	219.2	180.7	199.9
Kruger K-8112HX	216.7	177.3	197.0
Kruger K-9414RR/HXT	210.0	182.1	196.0
Rainbow X1147RRYGCB	217.1	173.9	195.5
Dyna-Gro CXO8216	219.9	167.0	193.4
Mycogen 2T783	208.2	172.3	190.2
Dyna-Gro 57R91	189.0	175.9	182.4
TEST AVERAGE	225.6	189.9	207.8
L.S.D. AT .10	22.5	12.9	12.8
C.V. %	7.0	4.7	5.9

** 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 Southeast Region for the Irrigated Corn Test and the New Technology Corn Test. 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 slightly between locations, but tend to reflect those followed by farmers in the area.

Yields at the three southeast Region sites were about normal this year, even though rainfall and growing degree days were both low when compared to long term averages. European Corn Borer infestation was moderate (averaging 22% of the non-Bt plants sampled), which along with some high winds late in the season, contributed to fairly high lodging (45% average) at all three sites. Asana was applied by the cooperating farmer at the Oran site.

Climatological information for the growing season (May 1 – Sept 30) for the Southeast Region is summarized below and cultural practices for each site are listed in table 27.

Average temperature = 74.1 degrees, equal to normal

Average precipitation = 16.2", 2.9" below normal

Growing degree days = 3434 days, 233 below normal

Table 23. 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	04-24	09-18, 19,22	200	46	60	Conv.	Resolve, Atrazine	Resolve	Force 3G
Charleston	04-24	09-17, 18	250	150	23	Conv.	Resolve, Atrazine, Steadfast	Permit	Force 3G
Portageville	5-12	09-17, 18	325	0	0	Conv.	Dual II Mag, Atrazine, Princep, Callisto		Force 3G

TABLE 24. Irrigated Corn Test

Southeast Region: Oran, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=6.0, OM=1.5%, P=40, K=186

European Corn Borer Rating: Damaged Plants=32%, Tunnel Length/Plant=1.4 in.

Rainfall: May=7.2, June=3.2, July=5.1, Aug.=4.4,Sept.=2.2 Total=22.0

Irrigation: 8.0 in.

Brand-Variety	Seed Treatment ⁺	2008			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	2 Yr. Mean
Pioneer 31P42 (HX1/LL/RR2)	4	32757	19.2	50	241.6**	--	--
Fielder's Choice NG 6820	7	33454	17.8	52	226.6*	--	--
Pioneer 31D61 (YGCB)	4	31944	20.3	26	226.0*	289.5*	257.8
DEKALB DKC67-23 (RR2/YGCB)	1, 6, 7, 8	33338	18.0	59	224.4*	278.8*	251.6
AgriGold A6497VTRR2	6, 7	33803	18.8	62	223.0	--	--
Gateway 8916YGCB/RR2	7	33106	18.4	65	218.3	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	32874	17.8	39	217.8	--	--
Great Heart HT-297VT3	6, 7	34035	18.6	52	217.1	--	--
Dairyland 7615 (YGCB/RR2)	6, 7, 8	31479	18.8	71	216.8	270.4	243.6
AgriGold A6489VT3	6, 7	34616	18.2	61	216.7	--	--
Crow's 4799VT3	1, 3, 6	31828	17.9	43	215.9	--	--
Crow's 4822B	4	33338	17.4	44	213.7	--	--
UniSouth USG 80B00	4	32757	18.2	58	213.1	--	--
Great Heart HT-457Bt/RR	6, 7	32293	18.3	71	212.8	--	--
Crow's 5955VT3	1, 3, 6	31247	18.3	35	212.2	--	--
AgriGold A6632VT3	6, 7	33454	18.3	51	212.2	--	--
MFA MORCORN MC4507VT3	4	33338	18.3	58	211.9	--	--
Wyffels W7383	1, 5, 6, 7	32293	17.6	57	211.9	271.2	241.6
Crow's 5291B	4	33686	18.5	46	211.8	--	--
DEKALB DKC64-79 (VT3)	1, 6, 7, 8	33919	18.2	63	211.7	--	--
Trisler T-7N51VT3	6, 7, 8	32409	18.0	33	211.3	--	--
M-Pride 813TX1	7	32873	19.2	59	211.1	--	--
Merschman M-913C-10	2, 7, 8	34151	18.2	61	210.4	--	--
M-Pride 815DX1	7	31828	18.9	65	210.1	--	--
Terral TV25R31	6, 7, 8	32409	20.3	76	209.9	--	--
M-Pride 815TX4	7	33222	18.3	71	209.9	--	--
Trisler T-7N53VT3	6, 7, 8	30434	18.4	49	209.6	--	--
Dyna-Gro 57P69	7, 8	33686	17.7	58	209.6	283.9*	246.8
Dairyland 7611 (YGCB/RR2)	6, 7, 8	33454	18.2	33	208.8	272.1	240.5
Fielder's Choice NG 6834	7	30550	18.3	46	208.6	--	--
Dyna-Gro 57K33	7, 8	29621	18.6	60	207.8	274.7	241.3
Merschman M-711E-10	2, 7, 8	33687	19.1	68	207.7	--	--
Pioneer 33R81 (YGCB/RR2)	4	33338	19.8	74	207.6	--	--
Gateway 7915YGCB/RR2	7	33338	19.5	69	207.4	294.9**	251.2
Belle 1533Y	4	32641	19.7	60	207.3	266.7	237.0
Pioneer 33N58 (HX1/LL/RR2)	4	33570	18.7	45	207.2	--	--
Crow's 5304VT3	1, 3, 6	32757	19.1	71	207.1	--	--
DEKALB DKC67-87 (RR2/YGCB)	1, 6, 7, 8	33338	18.4	63	207.0	--	--
Dyna-Gro 57V44	1, 6, 7, 8	31828	17.9	53	206.3	--	--
Crow's 4846T	1, 3, 6	33803	17.9	44	205.9	--	--
Dairyland 6114 (RR2)	6, 7, 8	31828	20.0	70	205.3	--	--
Mycogen 2T826	4	32409	19.8	71	205.2	--	--
MFA MORCORN MC4483 RR/CB	4	31247	18.6	76	205.2	268.0	236.6
Terral TV24R83	6, 7, 8	32293	18.1	34	205.2	--	--
AgriGold A6633VT3	6, 7	33338	18.8	42	204.4	--	--

TABLE 24. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		
		Plant	Moisture	Lodging	2008	2007	2 Yr. Mean
		Population					
		(no./acre)	(%)	(%)			
Dyna-Gro 58P27	1, 6, 7, 8	34035	21.2	50	204.3	--	--
Trisler T-8A02CB	6, 7, 8	31595	18.2	56	203.9	--	--
Terral TV26TR41	6, 7, 8	32293	19.4	63	203.6	--	--
Dyna-Gro 57V21	1, 6, 7, 8	31712	18.8	40	203.5	--	--
MFA MORCORN MC4803RR/CB	4	33338	18.2	52	203.3	--	--
MFA MORCORN MC4474 RR	4	33803	18.2	61	203.1	280.5*	241.8
Gateway 8920YGCB/RR2	7	31596	20.4	68	203.0	--	--
Dairyland 9313 (VT3)	6, 7, 8	31363	17.7	47	202.9	--	--
AgriGold A6479VT3	6, 7	33919	18.3	64	202.7	--	--
Terral TV26BR61	6, 7, 8	31712	23.2	79	202.6	--	--
Merschman M-816A-3	2, 7, 8	31363	20.9	61	202.5	281.7*	242.1
Dairyland 9009 (VT3)	6, 7, 8	32525	18.1	53	202.5	--	--
Great Heart HT-317VT3	7, 8	34383	18.8	63	202.1	--	--
Dyna-Gro 58P59	7, 8	32176	19.6	77	202.0	274.9*	238.5
Dairyland 7212 (YGCB/RR2)	6, 7, 8	33106	17.8	44	201.6	262.7	232.2
Mycogen 2Y737	4	32757	18.0	49	201.3	--	--
Merschman M-912E-2	2, 7, 8	34616	17.4	5	201.0	--	--
Wyffels W8681	1, 5, 6, 7	32176	18.9	50	200.4	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	34732	18.2	62	200.1	--	--
Wyffels W9121	1, 5, 6, 7	32176	17.7	35	199.4	--	--
MFA MORCORN MC4603RR/CB	4	34151	18.5	61	199.4	--	--
Gateway 8919YGCB/RR2	7	30202	20.6	52	199.2	--	--
Pioneer 33M57 (HX1/LL/RR2)	4	32176	20.1	67	199.0	--	--
Pioneer 31G71 (HX1/LL/RR2)	4	32641	20.0	53	198.7	--	--
Gateway 7912YGCB/RR2	7	33222	17.4	59	198.5	--	--
Dyna-Gro 58K81	1, 6, 7, 8	32293	19.8	64	198.2	--	--
Dyna-Gro 57P12	7, 8	34383	20.6	61	198.2	--	--
Merschman M-314A-10	2, 7, 8	32873	19.1	70	197.7	--	--
Terral TV26BR41	6, 7, 8	34151	19.2	58	196.7	--	--
Belle 1844RY	4	27762	21.3	61	196.6	277.2*	236.9
Crow's 5269VT3	1, 3, 6	33454	17.7	31	196.1	--	--
Terral TVX22TR86	6, 7, 8	31131	17.9	60	196.0	--	--
Belle 1646RY	4	34848	20.0	57	195.8	280.0*	237.9
Dyna-Gro 57F87	7, 8	33687	18.7	69	195.4	267.9	231.7
NK NX7976	4	29969	18.3	60	194.7	--	--
Belle 1147RY	4	29853	16.8	35	194.5	263.8	229.2
Dyna-Gro 58V24	7, 8	33106	19.0	65	194.2	--	--
Terral TV25BR23	6, 7, 8	32641	19.0	66	193.7	--	--
Terral TV25BR71	6, 7, 8	32409	21.7	73	193.7	--	--
Trisler T-7A14CB	6, 7, 8	31712	16.8	45	193.6	--	--
M-Pride 815DX2	7	30782	18.5	24	192.6	--	--
Pioneer 34F96 (HX1/LL/RR2)	1, 5, 6, 7	32292	17.8	48	192.5	--	--
Merschman M-512C-10	2, 7, 8	32409	19.9	45	192.0	--	--
SSC 2 VT3	7	32293	19.6	68	191.9	--	--
Dyna-Gro 57V05	1, 6, 7, 8	32641	21.1	59	191.6	--	--
Gateway 4916YGCB/RR2	7	29621	17.4	75	189.8	277.5*	233.7
Belle 1545RY	4	33338	19.2	62	189.6	271.6	230.6
Merschman M-612D-10	2, 7, 8	32757	18.0	74	188.2	--	--
SSC 1 VT3	7	32525	18.5	49	187.6	--	--
Dyna-Gro 57K58	7, 8	31363	18.3	67	187.4	279.6*	233.5
GH LH62BT/RR	4	32525	19.3	80	185.3	--	--
Dairyland 9116	6, 7, 8	33919	17.9	38	172.5	--	--

TABLE 24. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
					-----bu/acre-----		
TEST AVERAGE		32599	18.8	56	204.0	269.7	236.9
L.S.D. AT .10		2641	1.4	23	17.9	20.0	
C.V. %		6.0	5.7		6.4	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= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 25. Irrigated Corn Test

Southeast Region: Charleston, MO (Mississippi County)

Soil Type: Dundee Silt Loam Soil Test: pH=6.3, OM=1.6%, P=66, K=324

European Corn Borer Rating: Damaged Plants= 10%, Tunnel Length/Plant=1.25 in.

Rainfall: May=6.4, June=3.8, July=3.6, Aug.=1.2,Sept.=0.9 Total=15.9

Irrigation: 12.3

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 2007	bu/acre	
Pioneer 31D61 (YGCB)	4	33106	19.5	5	269.2**	230.2	249.7
Pioneer 33N58 (HX1/LL/RR2)	4	32293	18.3	2	264.4*	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	34035	16.9	17	249.4*	--	--
Great Heart HT-297VT3	6, 7	33686	18.8	11	248.7*	--	--
Crow's 4822B	4	32641	17.3	15	247.6*	--	--
AgriGold A6632VT3	6, 7	34732	17.9	20	246.0*	--	--
M-Pride 815DX2	7	33687	18.3	9	245.6*	--	--
Gateway 8916YGCB/RR2	7	33106	18.1	40	244.4*	--	--
Trisler T-7N53VT3	6, 7, 8	35080	18.0	22	243.3*	--	--
Great Heart HT-457Bt/RR	6, 7	34616	18.1	63	242.4*	--	--
Wyffels W9121	1, 5, 6, 7	34383	20.0	4	242.3*	--	--
Crow's 4846T	1, 3, 6	34383	17.1	23	241.6*	--	--
Dairyland 9313 (VT3)	6, 7, 8	31596	17.6	19	239.9	--	--
AgriGold A6489VT3	6, 7	32990	17.3	29	239.0	--	--
Pioneer 33R81 (YGCB/RR2)	4	33105	19.0	58	238.9	--	--
Mycogen 2T826	4	34964	21.4	39	238.8	--	--
Fielder's Choice NG 6820	7	35777	15.4	27	237.8	--	--
Terral TV24R83	6, 7, 8	32176	18.4	58	236.2	--	--
Dyna-Gro 57K33	7, 8	33222	18.9	31	236.1	247.7*	241.9
Dairyland 9009 (VT3)	6, 7, 8	33686	17.3	21	235.3	--	--
MFA MORCORN MC4507VT3	4	34732	18.3	42	235.1	--	--
MFA MORCORN MC4803RR/CB	4	34035	17.8	46	235.0	--	--
Crow's 5291B	4	34500	17.6	7	234.2	--	--
Pioneer 33M57 (HX1/LL/RR2)	4	34964	19.5	9	234.1	--	--
M-Pride 813TX1	7	34964	19.0	48	233.8	--	--
M-Pride 815DX1	7	33570	20.9	30	233.4	--	--
Mycogen 2Y737	4	33570	18.3	15	232.1	--	--
M-Pride 815TX4	7	30086	17.9	17	230.9	--	--
Crow's 5955VT3	1, 3, 6	32060	18.8	23	230.5	--	--
Wyffels W8681	1, 5, 6, 7	34035	20.3	17	229.7	--	--
Dyna-Gro 57V21	1, 6, 7, 8	33338	19.7	9	229.3	--	--
Crow's 5304VT3	1, 3, 6	35313	18.0	23	228.8	--	--
Terral TV25R31	6, 7, 8	34267	22.5	78	227.1	--	--
Merschman M-913C-10	2, 7, 8	35196	17.5	28	226.6	--	--
Trisler T-7N51VT3	6, 7, 8	34035	15.9	19	226.6	--	--
Pioneer 31P42 (HX1/LL/RR2)	4	32757	19.6	24	226.6	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	34500	18.6	22	226.0	--	--
NK NX7976	4	33106	20.7	27	224.6	--	--
Dyna-Gro 57P12	7, 8	33803	21.9	52	224.0	--	--
Dyna-Gro 57F87	7, 8	33222	20.7	27	223.8	262.7*	243.3
Great Heart HT-317VT3	7, 8	34499	20.4	61	223.5	--	--
Pioneer 31G71 (HX1/LL/RR2)	4	33919	18.2	58	222.4	--	--
Dyna-Gro 58P27	1, 6, 7, 8	33919	23.3	87	222.4	--	--
Terral TV26BR41	6, 7, 8	35080	20.6	47	220.2	--	--
Crow's 5269VT3	1, 3, 6	34616	15.8	20	219.9	--	--

TABLE 25. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
Dairyland 7611 (YGCB/RR2)	6, 7, 8	33570	18.1	51	219.8	252.7*	236.3
Merschman M-314A-10	2, 7, 8	34035	22.0	37	219.5	--	--
DEKALB DKC64-79 (VT3)	1, 6, 7, 8	36242	17.9	41	219.3	--	--
Belle 1147RY	4	29737	16.8	7	219.0	250.1*	234.6
Fielder's Choice NG 6834	7	30783	17.8	21	217.1	--	--
AgriGold A6497VTRR2	6, 7	35080	17.7	56	216.8	--	--
Trisler T-8A02CB	6, 7, 8	33338	17.0	27	216.0	--	--
Belle 1533Y	4	32176	20.8	42	216.0	253.9*	235.0
Merschman M-711E-10	2, 7, 8	34964	17.4	17	215.9	--	--
Terral TV26BR61	6, 7, 8	34035	22.6	73	215.8	--	--
SSC 1 VT3	7	33803	19.0	5	215.2	--	--
Terral TV25BR23	6, 7, 8	35080	18.7	52	214.0	--	--
Terral TV26TR41	6, 7, 8	34151	20.9	50	213.4	--	--
Dairyland 9116	6, 7, 8	34151	18.5	36	213.3	--	--
Merschman M-612D-10	2, 7, 8	29853	15.6	22	213.1	--	--
Crow's 4799VT3	1, 3, 6	32060	17.3	24	213.0	--	--
Dyna-Gro 58P59	7, 8	32873	20.8	92	212.7	254.1*	233.4
Trisler T-7A14CB	6, 7, 8	36126	17.3	18	211.6	--	--
Terral TVX22TR86	6, 7, 8	33106	17.1	17	211.5	--	--
DEKALB DKC67-23 (RR2/YGCB)	1, 6, 7, 8	35080	20.8	67	210.8	255.2*	233.0
MFA MORCORN MC4474 RR	4	34383	18.1	70	210.7	247.4*	229.1
AgriGold A6479VT3	6, 7	34848	18.0	32	210.0	--	--
Gateway 7912YGCB/RR2	7	33222	17.3	11	209.7	--	--
UniSouth USG 80B00	4	32409	19.3	31	209.6	--	--
Terral TV25BR71	6, 7, 8	33338	22.6	42	208.5	--	--
Belle 1545RY	4	33570	21.7	35	208.4	237.6	223.0
Merschman M-816A-3	2, 7, 8	31247	21.9	27	206.8	252.2*	229.5
Wyffels W7383	1, 5, 6, 7	34035	18.5	68	206.1	252.1*	229.1
Dyna-Gro 57V05	1, 6, 7, 8	33919	20.4	38	205.7	--	--
Merschman M-912E-2	2, 7, 8	33454	16.8	6	205.6	--	--
Gateway 8919YGCB/RR2	7	33803	19.2	73	205.6	--	--
Dairyland 6114 (RR2)	6, 7, 8	33803	17.8	59	205.5	--	--
Dyna-Gro 57V44	1, 6, 7, 8	30666	14.8	28	204.9	--	--
Merschman M-512C-10	2, 7, 8	33919	17.5	12	204.8	--	--
Dyna-Gro 57P69	7, 8	33919	16.8	46	204.8	243.8	224.3
Pioneer 34F96 (HX1/LL/RR2)	1, 5, 6, 7	30202	17.4	6	203.1	--	--
DEKALB DKC67-87 (RR2/YGCB)	1, 6, 7, 8	33802	19.2	68	202.2	--	--
MFA MORCORN MC4603RR/CB	4	33454	19.0	78	201.7	--	--
Dairyland 7212 (YGCB/RR2)	6, 7, 8	32409	17.0	33	199.2	239.7	219.5
Gateway 7915YGCB/RR2	7	34732	21.8	40	197.4	252.5*	225.0
Dyna-Gro 57K58	7, 8	31828	19.9	76	197.3	238.0	217.7
SSC 2 VT3	7	33222	22.1	47	196.3	--	--
Gateway 4916YGCB/RR2	7	33570	21.6	46	195.5	270.8**	233.2
MFA MORCORN MC4483 RR/CB	4	33106	18.4	64	195.1	246.3*	220.7
Dairyland 7615 (YGCB/RR2)	6, 7, 8	33570	20.9	35	194.2	245.4	219.8
Belle 1844RY	4	31944	21.5	63	192.4	237.9	215.2
AgriGold A6633VT3	6, 7	32409	18.2	34	192.2	--	--
Belle 1646RY	4	32293	21.5	88	188.5	222.1	205.3
Dyna-Gro 58K81	1, 6, 7, 8	35312	20.3	55	186.6	--	--
Gateway 8920YGCB/RR2	7	34267	20.9	73	182.1	--	--
GH LH62BT/RR	4	33686	19.8	83	178.5	--	--
Dyna-Gro 58V24	7, 8	29040	19.8	73	171.1	--	--

TABLE 25. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
					-----bu/acre-----		
TEST AVERAGE		33515	19.0	38	219.3	240.0	229.7
L.S.D. AT .10		2245	1.7	26	29.1	25.0	
C.V. %		5.0	6.6		9.4	7.5	

-- Data not available.

** Highest yielding hybrid in the test.

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

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 26. Irrigated Corn Test

Southeast Region: Portageville Clay, MO (Pemiscot County)

Soil Type: Portageville Clay Soil Test: pH=6.6, OM=1.6%, P=60, K=652

European Corn Borer Rating: Damaged Plants=24%, Tunnel Length/Plant=2.1 in.

Rainfall: May=3.4, June=1.2, July=3.0, Aug.=1.0,Sept.=3.0 Total=11.6

Irrigation: 14.6

Brand-Variety	Seed Treatment ⁺	2008			Yield		
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2006	2 Yr. Mean
Trisler T-8A02CB	6, 7, 8	33919	18.8	23	262.1**	--	--
Gateway 7912YGCB/RR2	7	33919	20.0	16	257.4	--	--
MFA MORCORN MC4474 RR	4	33803	20.3	15	248.0	266.6*	257.3
Dyna-Gro 58P27	1, 6, 7, 8	35429	17.3	15	246.5	--	--
Merschman M-612D-10	2, 7, 8	33222	17.6	27	243.9	--	--
Dairyland 6114 (RR2)	6, 7, 8	32641	18.4	23	243.4	--	--
Terral TV26BR41	6, 7, 8	30899	19.0	56	241.1	261.8	251.5
AgriGold A6633VT3	6, 7	32873	19.5	53	240.8	--	--
Terral TV26TR41	6, 7, 8	34499	18.5	53	240.8	--	--
Dyna-Gro 57P69	7, 8	32525	19.0	29	239.7	255.5	247.6
Dyna-Gro 58P59	7, 8	34964	19.8	23	239.1	262.6	250.9
DEKALB DKC67-87 (RR2/YGCB)	1, 6, 7, 8	33687	18.2	27	238.2	--	--
Dairyland 7212 (YGCB/RR2)	6, 7, 8	35080	20.9	28	237.9	--	--
AgriGold A6497VTRR2	6, 7	33106	19.3	36	237.1	--	--
Dyna-Gro 57V05	1, 6, 7, 8	33570	19.9	41	236.3	--	--
Pioneer 33R81 (YGCB/RR2)	4	32409	19.6	46	236.0	--	--
Dyna-Gro 57K33	7, 8	34383	17.4	33	232.5	227.3	229.9
Belle 1533Y	4	34848	19.7	37	232.5	277.6**	255.1
AgriGold A6489VT3	6, 7	34267	18.7	28	232.5	--	--
Merschman M-912E-2	2, 7, 8	34035	18.4	10	231.4	--	--
Great Heart HT-317VT3	7, 8	35429	19.6	39	231.4	--	--
Dairyland 9009 (VT3)	6, 7, 8	33570	19.2	31	230.4	--	--
MFA MORCORN MC4603RR/CB	4	33338	18.5	39	230.3	--	--
Dairyland 9116	6, 7, 8	34732	20.0	19	230.1	--	--
Crow's 5269VT3	1, 3, 6	33454	19.3	31	229.2	--	--
Mycogen 2T826	4	32525	18.3	53	228.7	--	--
Belle 1646RY	4	33686	18.3	18	228.5	--	--
Merschman M-314A-10	2, 7, 8	34499	20.2	65	228.3	--	--
Dyna-Gro 58K81	1, 6, 7, 8	34616	17.2	47	228.2	--	--
Pioneer 33N58 (HX1/LL/RR2)	4	32990	19.1	45	227.4	--	--
Wyffels W9121	1, 5, 6, 7	34151	18.2	15	226.0	--	--
Pioneer 31D61 (YGCB)	4	33222	19.4	24	225.5	--	--
Pioneer 34F96 (HX1/LL/RR2)	1, 5, 6, 7	32989	18.8	32	225.4	--	--
MFA MORCORN MC4803RR/CB	4	32293	20.2	49	225.3	--	--
Fielder's Choice NG 6820	7	32409	18.2	66	225.3	--	--
MFA MORCORN MC4507VT3	4	32525	17.6	24	225.2	--	--
M-Pride 813TX1	7	30782	18.2	28	225.1	--	--
Gateway 4916YGCB/RR2	7	32641	17.4	23	225.0	250.0	237.5
M-Pride 815DX2	7	35313	18.3	23	224.8	--	--
Merschman M-816A-3	2, 7, 8	33222	18.9	45	224.8	--	--
Pioneer 31P42 (HX1/LL/RR2)	4	33222	18.3	31	223.1	--	--
Dyna-Gro 57K58	7, 8	35196	18.2	27	222.3	238.1	230.2
Belle 1147RY	4	35313	20.3	32	222.2	--	--
DEKALB DKC64-79 (VT3)	1, 6, 7, 8	34267	20.5	22	221.8	--	--
Gateway 7915YGCB/RR2	7	32293	17.9	26	220.9	--	--

TABLE 26. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2006	
Belle 1545RY	4	33454	17.7	31	220.2	247.6	233.9
Trisler T-7N53VT3	6, 7, 8	34267	19.1	54	219.7	--	--
Trisler T-7N51VT3	6, 7, 8	34151	16.2	23	219.4	--	--
Dairyland 9313 (VT3)	6, 7, 8	35429	21.6	62	219.3	--	--
Gateway 8916YGCB/RR2	7	34848	19.4	37	219.0	--	--
Terral TV25BR71	6, 7, 8	35429	18.5	61	218.7	--	--
Crow's 5955VT3	1, 3, 6	32293	18.4	53	218.2	--	--
Wyffels W8681	1, 5, 6, 7	33454	17.4	27	217.5	--	--
GH LH62BT/RR	4	34151	21.2	49	217.4	--	--
Merschman M-512C-10	2, 7, 8	29737	18.1	7	217.0	--	--
Mycogen 2Y737	4	34267	17.8	56	216.9	--	--
Gateway 8920YGCB/RR2	7	33222	20.6	21	216.8	--	--
M-Pride 815TX4	7	32525	19.3	11	216.7	--	--
Fielder's Choice NG 6834	7	34616	18.8	58	216.4	--	--
Wyffels W7383	1, 5, 6, 7	34151	16.3	40	216.2	250.9	233.6
Terral TVX22TR86	6, 7, 8	31828	19.8	30	216.2	--	--
Dyna-Gro 57P12	7, 8	34500	17.0	53	216.0	--	--
MFA MORCORN MC4483 RR/CB	4	32757	17.7	13	216.0	--	--
UniSouth USG 80B00	4	34848	18.7	41	215.3	--	--
SSC 1 VT3	7	32060	19.7	48	215.1	--	--
Crow's 5291B	4	34151	19.1	31	214.3	--	--
Crow's 5304VT3	1, 3, 6	34500	19.6	61	213.2	--	--
Dairyland 7611 (YGCB/RR2)	6, 7, 8	32293	19.4	61	212.8	--	--
AgriGold A6632VT3	6, 7	33222	17.4	34	212.7	--	--
Crow's 4822B	4	34500	20.7	39	212.4	--	--
Merschman M-913C-10	2, 7, 8	32873	19.7	46	212.4	--	--
DEKALB DKC67-23 (RR2/YGCB)	1, 6, 7, 8	33686	17.3	23	211.7	247.4	229.6
Great Heart HT-457Bt/RR	6, 7	32757	17.3	18	211.5	--	--
Pioneer 33M57 (HX1/LL/RR2)	4	34616	20.1	72	211.5	--	--
Dyna-Gro 57V21	1, 6, 7, 8	34035	18.8	53	209.9	--	--
Pioneer 31G71 (HX1/LL/RR2)	4	33454	18.2	16	209.9	--	--
Terral TV25BR23	6, 7, 8	33919	16.6	48	209.7	--	--
Terral TV26BR61	6, 7, 8	33222	19.9	63	208.8	--	--
Great Heart HT-297VT3	6, 7	33105	17.0	18	208.3	--	--
Trisler T-7A14CB	6, 7, 8	34267	18.4	17	207.9	--	--
Dyna-Gro 57V44	1, 6, 7, 8	33803	16.9	30	206.9	--	--
SSC 2 VT3	7	34151	18.6	91	202.6	--	--
M-Pride 815DX1	7	32990	20.0	47	202.2	--	--
Terral TV25R31	6, 7, 8	34267	18.8	57	201.7	236.4	219.1
Gateway 8919YGCB/RR2	7	32409	19.3	22	201.4	--	--
Dairyland 7615 (YGCB/RR2)	6, 7, 8	34035	20.1	25	201.1	--	--
DEKALB DKC63-42 (VT3)	1, 6, 7, 8	32990	18.5	45	199.5	--	--
Belle 1844RY	4	32990	19.9	46	198.5	--	--
AgriGold A6479VT3	6, 7	33338	21.4	34	198.0	--	--
DEKALB DKC61-69 (VT3)	1, 6, 7, 8	31595	18.5	32	195.4	--	--
Crow's 4799VT3	1, 3, 6	29505	17.0	51	195.2	--	--
Merschman M-711E-10	2, 7, 8	34035	18.6	51	194.3	--	--
NK NX7976	4	32641	19.0	41	193.2	--	--
Crow's 4846T	1, 3, 6	32641	19.7	72	192.9	--	--
Terral TV24R83	6, 7, 8	32757	19.5	43	183.7	--	--
Dyna-Gro 57F87	7, 8	33222	20.4	54	181.9	266.0*	224.0
Dyna-Gro 58V24	7, 8	34267	20.8	46	178.8	--	--

TABLE 26. Continued.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008 -----bu/acre-----	2006	
TEST AVERAGE		33515	18.9	38	219.7	244.0	231.9
L.S.D. AT .10		NS	NS	NS	NS	14.7	
C.V. %		5.9	11.3		10.7	4.2	

-- Data not available.

** Highest yielding hybrid in the test.

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

NS Not Significant

+ Seed Treatments: 1= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 27. Performance Summary for Irrigated Hybrids evaluated at Three Southeast Missouri locations (Oran, Charleston, Portageville Clay) during 2008.

<u>Oran</u> Planted: 04-24 Harvested: 9-18/9/22 Growing Season Rainfall: 22.0 Irrigation: 8.0 in.	<u>Charleston</u> Planted: 04-24 Harvested: 09-17/18 Growing Season Rainfall: 15.9 Irrigation: 12.3	<u>Portageville Clay</u> Planted: 05-12 Harvested: 09-17/18 Growing Season Rainfall: 11.6 Irrigation: 14.6
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Brand-Hybrid	Yield (Bu/Acre)			
	Oran	Charleston	Portageville Clay	Mean
Irrigated				
Pioneer 31D61 (YGCB)	226.0*	269.2**	225.5	240.2**
Pioneer 33N58 (HX1/LL/RR2)	207.2	264.4*	227.4	233.0*
Pioneer 31P42 (HX1/LL/RR2)	241.6**	226.6	223.1	230.4*
Fielder's Choice NG 6820	226.6*	237.8	225.3	229.9*
AgriGold A6489VT3	216.7	239.0	232.5	229.4*
Pioneer 33R81 (YGCB/RR2)	207.6	238.9	236.0	227.5*
Trisler T-8A02CB	203.9	216.0	262.1**	227.3*
Gateway 8916YGCB/RR2	218.3	244.4*	219.0	227.2*
AgriGold A6497VTRR2	223.0	216.8	237.1	225.6*
Dyna-Gro 57K33	207.8	236.1	232.5	225.5*
Great Heart HT-297VT3	217.1	248.7*	208.3	224.7*
Crow's 4822B	213.7	247.6*	212.4	224.6*
Dyna-Gro 58P27	204.3	222.4	246.5	224.4*
Mycogen 2T826	205.2	238.8	228.7	224.2
Trisler T-7N53VT3	209.6	243.3*	219.7	224.2
MFA MORCORN MC4507VT3	211.9	235.1	225.2	224.1
AgriGold A6632VT3	212.2	246.0*	212.7	223.6
M-Pride 813TX1	211.1	233.8	225.1	223.3
Dairyland 9009 (VT3)	202.5	235.3	230.4	222.7
Wyffels W9121	199.4	242.3*	226.0	222.6
Great Heart HT-457Bt/RR	212.8	242.4*	211.5	222.2
Gateway 7912YGCB/RR2	198.5	209.7	257.4	221.9
MFA MORCORN MC4803RR/CB	203.3	235.0	225.3	221.2
M-Pride 815DX2	192.6	245.6*	224.8	221.0
DEKALB DKC61-69 (VT3)	217.8	249.4*	195.4	220.9
Dairyland 9313 (VT3)	202.9	239.9	219.3	220.7
MFA MORCORN MC4474 RR	203.1	210.7	248.0	220.6
Crow's 5955VT3	212.2	230.5	218.2	220.3
Crow's 5291B	211.8	234.2	214.3	220.1
Terral TV26BR41	196.7	220.2	241.1	219.3
Terral TV26TR41	203.6	213.4	240.8	219.3
M-Pride 815TX4	209.9	230.9	216.7	219.2
Trisler T-7N51VT3	211.3	226.6	219.4	219.1
Great Heart HT-317VT3	202.1	223.5	231.4	219.0
Belle 1533Y	207.3	216.0	232.5	218.6
Dairyland 6114 (RR2)	205.3	205.5	243.4	218.1
Dyna-Gro 57P69	209.6	204.8	239.7	218.0
Dyna-Gro 58P59	202.0	212.7	239.1	217.9
DEKALB DKC64-79 (VT3)	211.7	219.3	221.8	217.6
Mycogen 2Y737	201.3	232.1	216.9	216.8
Merschman M-913C-10	210.4	226.6	212.4	216.5
Crow's 5304VT3	207.1	228.8	213.2	216.4
Wyffels W8681	200.4	229.7	217.5	215.9
DEKALB DKC67-87 (RR2/YGCB)	207.0	202.2	238.2	215.8
DEKALB DKC67-23 (RR2/YGCB)	224.4*	210.8	211.7	215.6

Table 27. Continued.

Brand-Hybrid	Yield (Bu/Acre)			
	Oran	Charleston	Portageville Clay	Mean
Irrigated				
M-Pride 815DX1	210.1	233.4	202.2	215.2
Merschman M-314A-10	197.7	219.5	228.3	215.2
Crow's 5269VT3	196.1	219.9	229.2	215.1
Merschman M-612D-10	188.2	213.1	243.9	215.1
Pioneer 33M57 (HX1/LL/RR2)	199.0	234.1	211.5	214.9
Dyna-Gro 57V21	203.5	229.3	209.9	214.2
Fielder's Choice NG 6834	208.6	217.1	216.4	214.0
Dairyland 7611 (YGCB/RR2)	208.8	219.8	212.8	213.8
Crow's 4846T	205.9	241.6*	192.9	213.5
Terral TV25R31	209.9	227.1	201.7	212.9
Dairyland 7212 (YGCB/RR2)	201.6	199.2	237.9	212.9
Dyna-Gro 57P12	198.2	224.0	216.0	212.7
UniSouth USG 80B00	213.1	209.6	215.3	212.7
Merschman M-912E-2	201.0	205.6	231.4	212.7
AgriGold A6633VT3	204.4	192.2	240.8	212.5
Belle 1147RY	194.5	219.0	222.2	211.9
Wyffels W7383	211.9	206.1	216.2	211.4
Merschman M-816A-3	202.5	206.8	224.8	211.4
Dyna-Gro 57V05	191.6	205.7	236.3	211.2
MFA MORCORN MC4603RR/CB	199.4	201.7	230.3	210.5
Pioneer 31G71 (HX1/LL/RR2)	198.7	222.4	209.9	210.3
Terral TV26BR61	202.6	215.8	208.8	209.1
Gateway 7915YGCB/RR2	207.4	197.4	220.9	208.6
DEKALB DKC63-42 (VT3)	200.1	226.0	199.5	208.5
Terral TV24R83	205.2	236.2	183.7	208.4
Crow's 4799VT3	215.9	213.0	195.2	208.0
Terral TVX22TR86	196.0	211.5	216.2	207.9
Pioneer 34F96 (HX1/LL/RR2)	192.5	203.1	225.4	207.0
Terral TV25BR71	193.7	208.5	218.7	207.0
Belle 1545RY	189.6	208.4	220.2	206.1
Dyna-Gro 57V44	206.3	204.9	206.9	206.0
S&S 1 VT3	187.6	215.2	215.1	206.0
Merschman M-711E-10	207.7	215.9	194.3	206.0
Terral TV25BR23	193.7	214.0	209.7	205.8
MFA MORCORN MC4483 RR/CB	205.2	195.1	216.0	205.4
Dairyland 9116	172.5	213.3	230.1	205.3
Merschman M-512C-10	192.0	204.8	217.0	204.6
Trisler T-7A14CB	193.6	211.6	207.9	204.4
Dyna-Gro 58K81	198.2	186.6	228.2	204.3
Belle 1646RY	195.8	188.5	228.5	204.3
NK NX7976	194.7	224.6	193.2	204.2
Dairyland 7615 (YGCB/RR2)	216.8	194.2	201.1	204.0
AgriGold A6479VT3	202.7	210.0	198.0	203.6
Gateway 4916YGCB/RR2	189.8	195.5	225.0	203.4
Dyna-Gro 57K58	187.4	197.3	222.3	202.3
Gateway 8919YGCB/RR2	199.2	205.6	201.4	202.1
Gateway 8920YGCB/RR2	203.0	182.1	216.8	200.6
Dyna-Gro 57F87	195.4	223.8	181.9	200.4
SSC 2 VT3	191.9	196.3	202.6	196.9
Belle 1844RY	196.6	192.4	198.5	195.8

Table 27. Continued.

Brand-Hybrid	Yield (Bu/Acre)			
	Oran	Charleston	Portageville Clay	Mean
Irrigated				
GH LH62BT/RR	185.3	178.5	217.4	193.7
Dyna-Gro 58V24	194.2	171.1	178.8	181.4
TEST AVERAGE	204.0	219.3	219.7	214.3
L.S.D. AT .10	17.9	29.1	NS	15.8
C.V. %	6.4	9.4	10.7	8.8

** 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.

NS Not Significant

TABLE 28. New Technology Corn Test

Southeast Region: Oran, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=6.0, OM=1.5%, P=40, K=186

European Corn Borer Rating: Damaged Plants=32%, Tunnel Length/Plant=1.44 in.

Rainfall: May=7.2, June=3.2, July=5.1, Aug.=4.4,Sept.=2.2 Total=22.0

Irrigation: 8.0 in.

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
High Yield Check 2	--	33716	18.0	28	222.2**	--	--
NK N77P-GT/CB/LL	4	34412	18.2	53	218.0	--	--
NK N68B-GT/CB/LL	4	34935	18.0	15	218.0	--	--
High Yield Check 1	--	33716	18.9	41	210.8	--	--
NK N78N-GT/CB/LL	4	33454	21.6	38	206.3	--	--
High Yield Check 3	--	31102	20.6	47	203.8	--	--
TEST AVERAGE		33556	19.2	37	213.2	262.4	237.8
L.S.D. AT .10		1632	1.8	16	NS	18.2	
C.V. %		4.0	7.7		9.0	5.9	

TABLE 29. New Technology Corn Test

Southeast Region: Charleston, MO (Mississippi County)

Soil Type: Dundee Silt Loam Soil Test: pH=6.3, OM=1.6%, P=66, K=324

European Corn Borer Rating: Damaged Plants= 10%, Tunnel Length/Plant=1.25 in.

Rainfall: May=6.4, June=3.8, July=3.6, Aug.=1.2,Sept.=0.9 Total=15.9

Irrigation: 12.3

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2007	
High Yield Check 3	--	32496	18.2	41	227.6**	--	--
NK N68B-GT/CB/LL	4	33628	19.4	24	217.4	--	--
High Yield Check 2	--	32670	19.2	47	212.6	--	--
NK N78N-GT/CB/LL	4	34325	18.7	33	211.6	--	--
High Yield Check 1	--	34761	18.1	28	203.5	--	--
NK N77P-GT/CB/LL	4	33367	21.1	42	196.7	--	--
TEST AVERAGE		33541	19.1	36	211.6	241.5	226.6
L.S.D. AT .10		NS	NS	NS	NS	20.2	
C.V. %		5.0	10.5		8.4	7.0	

-- 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= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

TABLE 30. New Technology Corn Test

Southeast Region: Portageville Clay, MO (Pemiscot County)

Soil Type: Portageville Clay Soil Test: pH=6.6, OM=1.6%, P=60, K=652

European Corn Borer Rating: Damaged Plants=24%, Tunnel Length/Plant=2.1 in.

Rainfall: May=3.4, June=1.2, July=3.0, Aug.=1.0,Sept.=3.0 Total=11.6

Irrigation: 14.6

Brand-Variety	Seed Treatment ⁺	2008			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2008	2006	
NK N77P-GT/CB/LL	4	33193	19.1	34	231.3**	--	--
High Yield Check 3	--	34412	19.6	35	211.4	--	--
High Yield Check 2	--	31973	19.7	54	210.9	--	--
NK N78N-GT/CB/LL	4	33106	19.8	34	208.6	--	--
High Yield Check 1	--	34238	17.8	36	208.3	--	--
NK N68B-GT/CB/LL	4	34151	18.0	22	201.0	--	--
TEST AVERAGE		33512	19.0	36	211.9	245.5	228.7
L.S.D. AT .10		NS	NS	NS	NS	17.8	
C.V. %		4.9	11.6		8.6	6.0	

TABLE 31. Performance Summary for New Technology Hybrids evaluated at Three Southeast Missouri locations (Oran, Charleston, Portageville Clay) during 2008.

<u>Oran</u>	<u>Charleston</u>	<u>Portageville Clay</u>
Planted: 04-24	Planted: 04-24	Planted: 05-12
Harvested: 09-18/19/22	Harvested: 09-17/18	Harvested: 09-17/18
Growing Season Rainfall: 22.0	Growing Season Rainfall: 15.9	Growing Season Rainfall: 11.6
Irrigation: 8.0 in.	Irrigation: 12.3	Irrigation: 14.6

Brand-Hybrid	Yield (Bu/Acre)			
	Oran	Charleston	Portageville Clay	Mean
New Technology				
NK N77P-GT/CB/LL	218.0	196.7	231.3**	215.3**
High Yield Check 2	222.2**	212.6	210.9	215.2*
High Yield Check 3	203.8	227.6**	211.4	214.3*
NK N68B-GT/CB/LL	218.0	217.4	201.0	212.1*
NK N78N-GT/CB/LL	206.3	211.6	208.6	208.8*
High Yield Check 1	210.8	203.5	208.3	207.5*
TEST AVERAGE	213.2	211.6	211.9	212.2
L.S.D. AT .10	NS	NS	NS	12.6
C.V. %	9.0	8.4	8.6	8.7

-- 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= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

Characteristics for Corn Hybrids Entered in 2008 Missouri Corn Tests

Variety Name	Sd	Trt	Traits	Mat	Stalk	Herb	Insect	Table Numbers
AgriGold 6399VT3	6, 7	None		108	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16
AgriGold A6479VT3	6, 7	None		112	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,25,26,27,28
AgriGold A6489VT3	6, 7	HFC		112	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,25,26,27,28
AgriGold A6497VTRR2	6, 7	None		112	2	GR	VT	25,26,27,28
AgriGold A6533VT3	6, 7	None		113	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16
AgriGold A6632VT3	6, 7	None		115	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,25,26,27,28
AgriGold A6633VT3	6, 7	None		115	2	GR	VT3	25,26,27,28
Belle 1147RY	4	None		111	2	GR	YGCB	25,26,27,28
Belle 1533Y	4	None		115	2	None	YGCB	25,26,27,28
Belle 1545RY	4	None		115	2	GR	YGCB	25,26,27,28
Belle 1646RY	4	None		116	2	GR	YGCB	25,26,27,28
Belle 1844RY	4	None		118	1	GR	YGCB	25,26,27,28
Bio Gene BG 82V08	6, 7, 8	None		112	5	GR	VT3	2,3,4,5,6
Bio Gene BG 83V08	6, 7, 8	None		113	3	GR	VT3	2,3,4,5,6
Bio Gene BG 84V09	6, 7, 8	None		114	4	GR	VT3	2,3,4,5,6
Burrus 573T	6, 7	None		111	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Burrus 6C56	6, 7	None		112	4	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Burrus 750	6, 7	None		115	3	None	None	8,9,10,11,12,13
Crow's 4799VT3	1, 3, 6	None		109	3	GR	VT3	25,26,27,28
Crow's 4822B	4	None		110	3	None	YGCB	25,26,27,28
Crow's 4846T	1, 3, 6	None		110	3	GR	YGPL	25,26,27,28
Crow's 5269VT3	1, 3, 6	None		112	3	GR	VT3	25,26,27,28
Crow's 5291B	4	None		114	2	None	YGCB	25,26,27,28
Crow's 5304VT3	1, 3, 6	None		114	3	GR	VT3	25,26,27,28
Crow's 5955VT3	1, 3, 6	None		116	3	GR	VT3	25,26,27,28
Dairyland 6114	6, 7, 8	None		114	2	GR	None	25,26,27,28
Dairyland 7212	6, 7, 8	None		112	2	GR	YGCB	25,26,27,28
Dairyland 7611	6, 7, 8	None		111	4	GR	YGCB	25,26,27,28
Dairyland 7615	6, 7, 8	None		115	3	GR	YGCB	25,26,27,28
Dairyland 9009	6, 7, 8	None		109	4	GR	VT3	25,26,27,28
Dairyland 9116	6, 7, 8	None		116	1	GR,LL	CB	25,26,27,28
Dairyland 9313	6, 7, 8	None		113	2	GR	YGCB	25,26,27,28
DEKALB DKC61-69 (VT3)	1,6,7,8	None		111	4	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23,25,26,27,28
DEKALB DKC62-99R2/YG	1,6,7,8	None		112	3	GR	YGCB	2,3,4,5,6,8,9,10,11,12,13,18,19,20,21,22,23
DEKALB DKC63-42 (VT3)	1,6,7,8	None		113	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,21,22,23,25,26,27,28
DEKALB DKC64-24 (VT3)	1,6,7,8	None		114	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,21,22,23
DEKALB DKC64-79 (VT3)	1,6,7,8	None		114	5	GR	VT3	18,19,20,25,26,27,28
DEKALB DKC65-44 (VT3)	1,6,7,8	None		115	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
DEKALB DKC67-23 R2YG	1,6,7,8	None		117	4	GR	YGCB	25,26,27,28
DEKALB DKC67-87 R2YG	1,6,7,8	None		117	4	GR	YGCB	25,26,27,28
DEKALB RX785VT3	1,6,7,8	None		113	4	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Dyna-Gro 57F87	7, 8	HES		115	2	None	YGCB	25,26,27,28
Dyna-Gro 57K33	7, 8	HES		114	2	GR	None	25,26,27,28
Dyna-Gro 57K58	7, 8	None		115	1	GR	None	25,26,27,28
Dyna-Gro 57P12	7, 8	HES		115	2	GR	YGCB	25,26,27,28
Dyna-Gro 57P69	7, 8	None		113	2	GR	YGCB	25,26,27,28
Dyna-Gro 57R91	1,6,7,8	None		112	2	GR	HXX	8,9,10,11,12,13,18,19,20,21,22,23
Dyna-Gro 57T61	1,6,7,8	None		114	3	GR	HXI	18,19,20,21,22,23
Dyna-Gro 57V05	1,6,7,8	HES		113	2	GR	VT3	18,19,20,21,22,23,25,26,27,28
Dyna-Gro 57V07	1,6,7,8	None		113	3	GR	VT3	18,19,20,21,22,23
Dyna-Gro 57V21	1,6,7,8	None		115	2	GR	VT3	18,19,20,21,22,23,25,26,27,28,

Dyna-Gro 57V30	1,6,7,8	FG	112	1	GR	VT3	8,9,10,11,12,13,18,19,20,21,22,23
Dyna-Gro 57V44	1,6,7,8	None	111	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,18,19,20,21,22,23,25,26,27,28,
Dyna-Gro 57V62	1,6,7,8	HFC	113	2	GR	VT3	21,22,23
Dyna-Gro 57V77	1,6,7,8	FG	110	3	GR	VT3	18,19,20,21,22,23
Dyna-Gro 57V98	1,6,7,8	None	111	1	GR	VT3	21,22,23
Dyna-Gro 58K81	1,6,7,8	None	117	1	GR	None	25,26,27,28
Dyna-Gro 58P27	1,6,7,8	None	116	2	GR	YGCB	18,19,20,21,22,23,25,26,27,28,
Dyna-Gro 58P59	7, 8	None	116	1	GR	YGCB	25,26,27,28
Dyna-Gro 58P60	1,6,7,8	None	116	3	GR	YGCB	18,19,20,21,22,23
Dyna-Gro 58V24	7, 8	None	116	1	GR	VT3	25,26,27,28
Dyna-Gro CXO8216	1,6,7,8	None	115	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,18,19,20,21,22,23
Dyna-Gro CXO8514	1,6,7,8	None	113	3	None	YGCB	2,3,4,5,6,8,9,10,11,12,13,18,19,20,21,22,23
Fielder's Choice NG 6811	7	None	113	2	GR	YGPL	2,3,4,5,6,14,15,16,21,22,23
Fielder's Choice NG 6820	7	None	113	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,25,26,27,28
Fielder's Choice NG 6834	7	None	114	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,21,22,23,25,26,27,28
Fontanelle 7K733	7	None	110	5	GR	YGPL	2,3,4,5,6
Fontanelle 8B467	7	None	114	4	None	YGCB	2,3,4,5,6,8,9,10,11,12,13
Fontanelle 8T141	7	None	114	3	GR	VT3	8,9,10,11,12,13
Fontanelle 8T266	7	None	113	4	GR	VT3	2,3,4,5,6
Fontanelle 8T339	7	None	114	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Fontanelle 8T416	7	None	114	4	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
G2 Genetics 0A-615	5, 7	None	115	2	None	None	2,3,4,5,6,8,9,10,11,12,13
G2 Genetics 1H-715HXLL	5, 7	FG	115	2	LL	HX1	2,3,4,5,6,8,9,10,11,12,13
G2 Genetics 1H-716HXLL	5, 7	FG	116	1	LL	HX1	2,3,4,5,6,8,9,10,11,12,13
G2 Genetics 1H-911HXLL	5, 7	FG	111	2	LL	HX1	2,3,4,5,6,8,9,10,11,12,13,14,15,16
G2 Genetics 1X-716HXTLL	5, 7	FG	116	1	LL	HXX	2,3,4,5,6
G2 Genetics 1X-911HXTLL	5, 7	FG	111	2	LL	HXX	2,3,4,5,6
G2 Genetics 3A-513RR	5, 7	None	113	2	GR	None	2,3,4,5,6,8,9,10,11,12,13
G2 Genetics 5H-011RRHX	5, 7	None	111	2	GR,LL	HX1	8,9,10,11,12,13
G2 Genetics 5H-212RRHX	5, 7	None	112	2	GR,LL	HX1	2,3,4,5,6
G2 Genetics 5H-314RRHX	5, 7	None	114	3	GR,LL	HX1	2,3,4,5,6,8,9,10,11,12,13
G2 Genetics 5H-508RRHX	5, 7	FG	108	2	GR,LL	HX1	2,3,4,5,6,8,9,10,11,12,13
Gateway 4916YGCB/RR2	7	None	116	1	GR	YGCB	25,26,27,28
Gateway 7912YGCB/RR2	7	None	112	2	GR	YGCB	25,26,27,28
Gateway 7915YGCB/RR2	7	None	115	2	GR	YGCB	25,26,27,28
Gateway 8916YGCB/RR2	7	None	116	4	GR	YGCB	25,26,27,28
Gateway 8919YGCB/RR2	7	None	119	2	GR	YGCB	25,26,27,28
Gateway 8920YGCB/RR2	7	None	120	2	GR	YGCB	25,26,27,28
GH LH62BT/RR	4	None	116	3	GR	YGCB	25,26,27,28
Great Heart HT-297VT3	6, 7	None	112	2	GR	VT3	25,26,27,28
Great Heart HT-317VT3	7, 8	None	114	3	GR	VT3	25,26,27,28
Great Heart HT-457Bt/RR	6, 7	None	114	2	GR	YGCB	25,26,27,28
Hubner EX828BRPH	6, 7, 8	None	115	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Hubner H5477PR	6, 7, 8	None	110	4	GR	YGPL	2,3,4,5,6,8,9,10,11,12,13
Hubner H5582VT3	6, 7, 8	None	112	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Hubner H5636VT3	6, 7, 8	None	111	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Kruger K-2115RR/YGCB	4	None	115	1	GR	YGCB	2,3,4,5,6,8,9,10,11,12,13,18,19,20
Kruger K-5116YGCB	4	None	117	3	None	YGCB	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-5213YGCB	4	None	113	1	None	YGCB	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-6008VT3	4	None	108	2	GR	VT3	2,3,4,5,6
Kruger K-6013VT3	4	None	113	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-6015VT3	4	HFC	115	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-6111TS	4	None	111	3	GR	YGPL	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-6114VT3	4	None	114	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23

Kruger K-6210TS	4	None	110	2	GR	YGPL	2,3,4,5,6,8,9,10,11,12,13,14,15,16,21,22,23
Kruger K-6212TS	4	None	112	1	GR	YGPL	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-6411VT3	4	None	111	1	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-6412VT3	4	None	112	1	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-6413VT3	4	None	113	1	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-6517TS	4	HES	117	2	GR	YGPL	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-7010YGPL	4	None	110	1	None	YGPL	2,3,4,5,6,8,9,10,11,12,13,14,15,16,21,22,23
Kruger K-8112HX	4	None	112	2	LL	HXX	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Kruger K-8616HX	4	None	116	1	LL	HX1	2,3,4,5,6,8,9,10,11,12,13,18,19,20
Kruger K-9414RR/HXT	4	HFC	114	2	GR,LL	HXX	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Lewis 810 VT3	6, 7, 8	None	110	3	GR	VT3	2,3,4,5,6
Lewis 813 VT3	6, 7, 8	None	113	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Lewis 815 VT3	6, 7, 8	None	115	3	GR	VT3	8,9,10,11,12,13
Lewis 910 CB/RR	6, 7, 8	None	110	2	GR	YGCB	2,3,4,5,6
Lewis 912 CB	6, 7, 8	None	112	2	None	YGCB	2,3,4,5,6,8,9,10,11,12,13
Lewis 914 VT3	6, 7, 8	None	114	1	GR	VT3	2,3,4,5,6
Lewis 915 CB	6, 7, 8	None	115	2	None	YGCB	8,9,10,11,12,13
LG 2555 VT3	1,6,7,8	None	110	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
LG 2620 VT3	1,6,7,8	None	113	4	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
LG 2642 VT3	1,6,7,8	None	115	1	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Merschman M-314A-10	2,6,7,8	HES	114	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,25,26,27,28
Merschman M-512C-10	2,6,7,8	HES	112	2	GR	VT3	25,26,27,28
Merschman M-612D-10	2,6,7,8	None	112	2	GR	VT3	25,26,27,28
Merschman M-711E-10	2,6,7,8	None	111	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,25,26,27,28
Merschman M-816A-3	2,6,7,8	None	116	2	GR	YGCB	25,26,27,28
Merschman M-909C-3	2,6,7,8	None	109	4	GR	YGCB	2,3,4,5,6
Merschman M-912E-2	2,6,7,8	None	112	2	GR	None	8,9,10,11,12,13,25,26,27,28
Merschman M-913C-10	2,6,7,8	None	113	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,25,26,27,28
MFA Morcorn 4007VT3	4	None	110	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
MFA Morcorn 4083 RRCB	4	None	110	2	GR	YGCB	2,3,4,5,6
MFA Morcorn 4107VT3	4	None	111	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
MFA Morcorn 4207VT3	4	None	112	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
MFA Morcorn 4391RR	4	None	113	3	GR	None	8,9,10,11,12,13
MFA Morcorn 4474 RR	4	None	114	3	GR	None	25,26,27,28
MFA Morcorn 4483 RRCB	4	None	114	3	GR	YGCB	25,26,27,28
MFA Morcorn 4507VT3	4	None	115	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,25,26,27,28
MFA Morcorn 4603RRCB	4	None	116	3	GR	YGCB	25,26,27,28
MFA Morcorn 4803RRCB	4	None	118	3	GR	YGCB	25,26,27,28
Midland MG 417BT	7	None	111	3	None	YGCB	2,3,4,5,6,8,9,10,11,12,13,18,19,20
Midland MG 436BT	7	None	110	2	None	YGCB	2,3,4,5,6,8,9,10,11,12,13
Midland MG 658HL	7	None	112	2	LL	HX1	2,3,4,5,6,8,9,10,11,12,13,18,19,20
Midland MG 697BT	7	None	114	2	None	YGCB	2,3,4,5,6,8,9,10,11,12,13,14,15,16
Midland MG 779BT	7	None	115	2	None	YGCB	2,3,4,5,6,8,9,10,11,12,13,14,15,16,21,22,23
Midland MG 7A58BR	7	None	117	3	GR	YGCB	8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Midwest Seed 79123VT3	4	None	112	4	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Midwest Seed 79504VT3	4	None	112	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,18,19,20
Midwest Seed 80404VT3	4	None	114	3	GR	VT3	14,15,16,21,22,23
M-Pride 813TX1	7	None	111	3	GR	YGPL	25,26,27,28
M-Pride 815DX1	7	None	113	2	GR	YGCB	25,26,27,28
M-Pride 815DX2	7	None	113	2	GR	YGCB	25,26,27,28
M-Pride 815TX4	7	None	113	3	GR	YGPL	25,26,27,28
Mycogen 2C598	4	None	107	2	GR,LL	HXX	18,19,20
Mycogen 2C727	4	HES	112	3	LL	HX1	18,19,20

Mycogen 2T783	4	HES	114	4	GR,LL	HXI	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Mycogen 2T826	4	HES	115	3	GR,LL	HXI	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23,25,26,27,28
Mycogen 2Y737	4	FG	113	2	LL	HXX	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23,25,26,27,28
NC+ 4252VT3	4	None	107	3	GR	VT3	8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
NC+ 4777VT3	4	None	109	2	GR	VT3	8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
NC+ 5393VT3	4	None	112	4	GR	VT3	8,9,10,11,12,14,15,16,13,18,19,20,21,22,23
NC+ 5453VT3	4	None	114	3	GR	VT3	8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
NK N68B-GT/CB/LL	4	None	110	3	LL	CB	29,30,31,32
NK N77P-GT/CB/LL	4	None	114	2	LL	CB	29,30,31,32
NK N78N-GT/CB/LL	4	None	115	4	LL	CB	29,30,31,32
NK NX7976	4	None	115	2	LL	CB	25,26,27,28
NuTech 0C-213 YGCB	4	None	113	1	None	YGCB	2,3,4,5,6,8,9,10,11,12,13
NuTech 0C-413 YGCB	5, 7, 6	None	113	3	None	YGCB	2,3,4,5,6,8,9,10,11,12,13
NuTech 1B-516 CB/LL	4	None	116	1	LL	CB	14,15,16
NuTech 1X-114 HXT/LL	4	HFC	114	3	LL	HXX	2,3,4,5,6
NuTech 3C-317 RRYGCB	5, 7, 6	None	117	2	GR	YGCB	2,3,4,5,6
NuTech 3C-408 RRYGCB	5, 7, 6	None	108	2	GR	YGCB	2,3,4,5,6
NuTech 3C-414 RRYGCB	4	None	114	1	GR	YGCB	2,3,4,5,6,8,9,10,11,12,13
NuTech 3P-708 RRYGPL	5, 7, 6	None	108	2	GR	YGPL	2,3,4,5,6,8,9,10,11,12,13
NuTech 3T-012 VT3	5, 7, 6	None	112	2	GR	VT3	2,3,4,5,6
NuTech 3T-109 VT3	4	None	109	3	GR	VT3	2,3,4,5,6
NuTech 3T-110 VT3	5, 7, 6	None	110	3	GR	VT3	2,3,4,5,6
NuTech 3T-115 VT3	5, 7, 6	None	115	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
NuTech 3T-315 VT3	7	None	115	2	GR	VT3	2,3,4,5,6
NuTech 3T-514 VT3	5, 7, 6	None	114	4	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
NuTech 3T-710 VT3	5, 7, 6	None	110	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
NuTech 3T-912 VT3	5, 7, 6	None	112	1	GR	VT3	2,3,4,5,6
NuTech 5X-512 RR/HXT	4	None	112	3	GR,LL	HXX	2,3,4,5,6,8,9,10,11,12,13
Pioneer 31D61 YGCB	4	YFC, HAE, HTF	120	2	GR	YGCB	25,26,27,28
Pioneer 31G71 HXLLRR2	4	YFC, HTF, HES	119	4	GR	HX1	25,26,27,28
Pioneer 31P42 HXLLRR2	4	YFC, HAE, HTF	119	3	GR	HX1	25,26,27,28
Pioneer 33K44 HX1LLR2	1,5,6,7	FG, HFC	114	4	GR,LL	HXI	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Pioneer 33M57 HX1LLR2	4	YFC, HAE	115	3	GR	HX1	25,26,27,28
Pioneer 33N58 HX1LLR2	4	YFC, HAE, HTF	113	3	GR	HX1	25,26,27,28
Pioneer 33R81 YGCBR2	4	HES, HTF	114	5	GR	YGCB	25,26,27,28
Pioneer 33T57 HX1LLR2	1,5,6,7	None	113	3	GR,LL	HXI	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23
Pioneer 34F96 HX1LLR2	1,5,6,7	HTF, HES	111	4	GR	HX1	25,26,27,28
Pioneer 34R67 HX1LLR2	1,5,6,7	HES, HAE, HFC	109	3	GR,LL	HXI	2,3,4,5,6,8,9,10,11,12,13,14,15,16,18,19,20,21,22,23,
Pioneer 35F40 HX1LLR2	1,5,6,7	HFC, HAE	105	5	GR,LL	HXI	2,3,4,5,6,8,9,10,11,12,13,18,19,20
Power Plus 4K74	6, 7	None	109	3	LL	HXI	2,3,4,5,6,8,9,10,11,12,13
Power Plus 8G23	6, 7	None	116	3	GR,LL	HXI	8,9,10,11,12,13
Producers 7394VT3	6, 7, 8	None	114	4	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Producers 7414VT3	6, 7, 8	None	116	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Producers 7624VT3	6, 7, 8	None	113	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Rainbow 3105YGCB	6	None	110	3	None	YGCB	2,3,4,5,6,14,15,16,18,19,20,21,22,23
Rainbow 3142YGCB	6	None	114	1	None	YGCB	2,3,4,5,6,14,15,16
Rainbow 3158YGCB	6	None	115	3	None	YGCB	2,3,4,5,6,8,9,10,11,12,13,14,15,16,21,22,23
Rainbow X1078	6	None	107	1	None	None	2,3,4,5,6,14,15,16,18,19,20,21,22,23
Rainbow X1107VT3	6	None	110	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,14,15,16,21,22,23
Rainbow X1147RRYGCB	6	None	114	2	GR	YGCB	2,3,4,5,6,14,15,16,21,22,23
Rainbow X1157	6	None	115	2	None	None	2,3,4,5,6,8,9,10,11,12,13,14,15,16,21,22,23
Renze 1399VT3	6, 7	None	114	5	GR	VT3	2,3,4,5,6
Renze 1499VT3	6, 7	None	117	4	GR	VT3	2,3,4,5,6

Renze 1526VT3	6, 7	None	117	5	GR	VT3	2,3,4,5,6
Renze 5X389HXT/LL	6, 7	None	113	4	LL	HXX	2,3,4,5,6
Renze 7409RR2	6, 7	None	114	3	GR	None	2,3,4,5,6
SSC 1 VT3	7	None	111	2	GR	VT3	25,26,27,28
SSC 2 VT3	7	None	114	3	GR	VT3	25,26,27,28
Stone 7T202VT3	6, 7	None	107	2	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Stone 7T231VT3	6, 7	None	111	3	GR	VT3	2,3,4,5,6,8,9,10,11,12,13,18,19,20
Stone 7T927VT3	6, 7	None	109	4	GR	VT3	2,3,4,5,6,8,9,10,11,12,13
Stone 7T927VT3	6, 7	None	109	4	GR	VT3	18,19,20
Stone 8T339VT3	6, 7	None	114	3	GR	VT3	18,19,20
Taylor 2230 HX	7, 8	None	112	3	LL	HXI	2,3,4,5,6
Taylor 644 RR	7, 8	None	114	3	GR	None	2,3,4,5,6
Taylor EXP C112-08 VT3	7, 8	None	112	2	GR	VT3	2,3,4,5,6
Taylor EXP C113-08 VT3	7, 8	None	113	3	GR	VT3	2,3,4,5,6
Terral TV24R83	6, 7, 8	None	115	3	GR	None	25,26,27,28
Terral TV25BR23	6, 7, 8	None	115	1	GR	YGCB	25,26,27,28
Terral TV25BR71	6, 7, 8	None	115	2	GR	YGCB	25,26,27,28
Terral TV25R31	6, 7, 8	None	115	1	GR	None	25,26,27,28
Terral TV26BR41	6, 7, 8	None	116	2	GR	YGCB	25,26,27,28
Terral TV26BR61	6, 7, 8	None	116	2	GR	YGCB	25,26,27,28
Terral TV26TR41	6, 7, 8	None	116	2	GR	VT3	25,26,27,28
Terral TVX22TR86	6, 7, 8	None	114	2	GR	VT3	25,26,27,28
Trisler T-7A14CB	6, 7, 8	None	111	3	None	YGCB	25,26,27,28
Trisler T-7N51VT3	6, 7, 8	None	112	3	GR	VT3	25,26,27,28
Trisler T-7N53VT3	6, 7, 8	None	112	4	GR	VT3	25,26,27,28
Trisler T-8A02CB	6, 7, 8	None	113	5	None	YGCB	25,26,27,28
UniSouth USG 80B00	4	None	115	3	None	None	25,26,27,28
USA 1145	6	None	114	1	None	None	21,22,23
USA 1145bt	6	None	114	1	None	YGCB	21,22,23
Wyffels W7383	1,5,6,7	HES	112	3	None	YGCB	25,26,27,28
Wyffels W8681	1,5,6,7	None	115	2	GR	VT3	25,26,27,28
Wyffels W9121	1,5,6,7	None	117	2	GR	VT3	25,26,27,28

* 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= Apron XL (Mefenoxam); 2= Captan; 3= Cruiser (Thiamethoxam); 4= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 5= Dynasty (Azoxystrobin); 6= Maxim XL (Fludioxonil); 7= Poncho 250 (Clothianidin); 8= Trilex (Trifloxystrobin)

Special Traits: DGE = Dry Grind Ethanol; FG = Food Grade; HAE = High Available Energy; HES = High Extractable Starch; HFC = High Fermentable Corn; HME = High Metabolizable Energy; HO = High Oil; HP = High Protein;

Maturity Days: Relative Maturity

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

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

Insect Resistance: CB = Agrisure CB; HX1 = Herculex 1; HXX = Herculex Xtra; VT3 = YieldGard VT; YGCB = YieldGard Corn Borer; YGPL = YieldGard Plus; YGRW = YieldGard Rootworm

Sources for Seed Corn Hybrids Entered in the 2008 Missouri Variety Test

Brand	Company and Address	Phone	URL
AgriGold	AgriGold Hybrids, RR 1 Box 203 St. Francisville, IL 62460	618-943-5776	agrigold.com
Belle	Belle Southern Hybrids, PO Box 178 Fisher, AR 72429	870-579-22886	bellecorn.com
Bio Gene	Bio Gene, 5477 Tri County Hwy Sardinia, OH 45171	937-444-6422	biogeneseeds.com
Burrus	Burrus Hybrids, 826 Arenzville Rd. Arenzville, IL 62611	217-997-5511	burrusseed.com
Crow's	Crow's Hybrid Corn Co., PO Box 157 Kentland, IN 47951	800-331-7201	crowshybrid.com
Dairyland	Dairyland Seed Co., PO Box 958 West Bend, WI 53095	608-676-2237	dairylandseed.com
Dekalb	Monsanto, 800 N. Lindbergh Blvd. St. Louis, MO 63167	815-754-4809	monsanto.com
Dyna-Gro	UAP Dyna Gro, 57 Germantown Ct, Suite 200 Cordova, TN 38018	901-755-7566	dyna-groseed.com
Dyna-Gro	UAP Dyna-Gro, 17410 Pike 291 Bowling Green, MO 63334	573-324-2423	dyna-groseed.com
Dyna-Gro	Dyna-Gro Seeds, 1506 W Wall Harrisonville, MO 64701	800-821-7406	dyna-groseed.com
Fielder's Choice	Fielder's Choice Direct, 306 N. Main St. Monticello, IN 47960	574-870-9207	fielderschoicedirect.com
Fontanelle	Fontanelle Hybrids, 919 W 23rd Street Fremont, NE 68025	402-721-8567	fontanelle.com
G2 Genetics	G2 Genetics, 36131 Highway 69 Forest City, IA 50436	800-942-6748	yieldleader.com
Gateway	Gateway Seed Co., 5517 Van Buren Rd. Nashville, IL 62263	618-327-8000	gatewayseeds.com
Golden Harvest	NK Brand Syngenta, 7500 Olsen Hwy Golden Valley, MN 55427	515-238-3514	nk-us.com
Great Heart	Great Heart Seed, 220 W. Washington Paris, IL 61944	217-465-4132	greatheartseed.com
Hubner	Hubner Seed, 10280 West SR28 West Lebanon, IN 47991	765-893-4428	hubnerseed.com
Kruger	Kruger Seed Co., 33938 160th Dike, IA 50624	800-772-2721	krugerseed.com
Lewis	Lewis Hybrids, 530 W. Maple Ave., Box 38 Ursa, IL 62376	217-964-2131	lewishybrids.com
LG	LG Seeds, 22827 Shissler Rd. Elmwood, IL 61529	309-945-3105	lgseeds.com
Merschman	Merschman Seeds, 103 Ave. D, PO Box 67 West Point, IA 52656	319-837-6111	merschmanseeds.com
Midland Gen	Midland Genetics, 1906 Kingman Rd. Ottawa, KS 66067	785-242-3598	midlandgenetics.com
Midwest Seed	Midwest Seed Genetics, 1617 E 10th St. Carroll, IA 51401	800-369-8218	midwestseed.com
Morcorn	MFA Inc., 201 Ray Young Drive Columbia, MO 65201	573-876-5482	morcorn.com
M-Pride	Willcross Hybrids Inc., PO Box 560 Garden City, MO 64747	816-862-6002	willcross.com

Mycogen	Mycogen Seeds, 9330 Zionsville Rd. Indianapolis, IN 46268	317-337-4662	mycogen.com
NC+	NC+ Hybrids, 3820 N. 56 St. Lincoln, NE 68504	800-279-7999	nc-plus.com
NK	NK Brand Syngenta, 7500 Olsen Hwy Golden Valley, MN 55427	515-238-3514	nk-us.com
NuTech	NuTech Seed, 6131 Highway 69 Forest City, IA 50436	800-942-6748	nutechseed.com
Pioneer	Pioneer Hi-Bred, 700 Blvd S, Suite 302 Huntsville, AL 35802	800-331-2475	pioneer.com
Pioneer	Pioneer Hi-Bred, 8100 South 15th St Lincoln, NE 68512	402-467-5458	pioneer.com
Producers	Producers Hybrids, PO Box C Battle Creek, NE 68715	308-750-4245	producershybrids.com
Rainbow	Rainbow Seeds, 1816 Highway 163 Oskaloosa, IA 52577	800-373-9401	rainbowseeds.com
Renze	Renze Hybrids, 27410 Kittyhawk Ave. Carroll, IA 51401	800-634-2676	renzehybrids.com
SSC	Stratton Seed Co., PO Box 1088 Stuttgart, AR 72160	870-673-4433	
Stone	Stone Seed Co., 5965 W State Rt. 97 Pleasant Plains, IL 62677	217-546-8006	stoneseed.com
Taylor	Taylor Seed Farms, 2467 Hwy 7 White Cloud, KS 66094	785-595-3236	taylorseedfarms.com
Terral	Terral Seed Inc., PO Box 826 Lake Providence, LA 71254	318-559-2840	terralseed.com
Trisler	Trisler Seed Farms, 3274 E 800 North Rd Fairmount, IL 61841	217-288-9301	trisler.com
UniSouth	UniSouth Genetics, 2640-C Nolensville Rd Nashville, TN 37211	615-242-3397	usgseed.com
USA	United Seed Assoc, 28797 Bowman Rd Defiance, OH 43512	419-395-2646	
Wyffels	Wyffels Hybrids, 13344 US Hwy 6 Geneseo, IL 61254	800-369-7833	wyffels.com