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Missouri 2009 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 236 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 had two locations in the central and three locations each in the southwest region and 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 some stacked trait 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 2009 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.

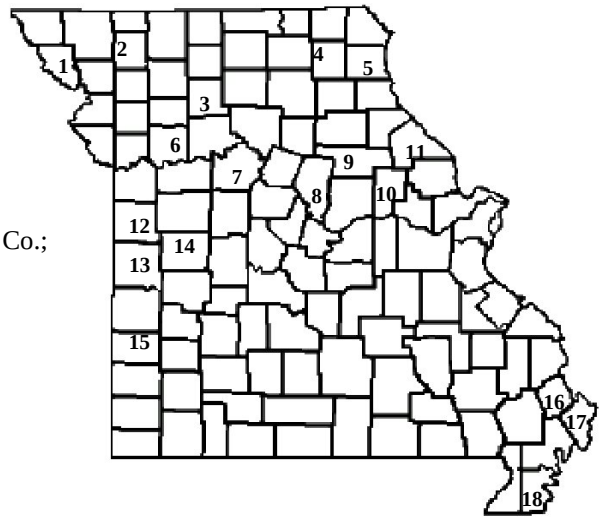
Data Recorded: --- Plant stands were recorded mid-season and lodging was determined immediately before harvest. Plants leaning more than 30 degrees from vertical and those bent or broken below the ear were counted as lodged. During harvest, plot grain weights were measured and an electronic moisture 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 2009 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 2009, 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. Darrel Tenholder Farm near Adrian in Bates Co.:;
14. Kurt Gretzinger Farm near Urich in Henry Co.;
15. Ron Bean Farm near Lamar in Vernon Co.;
16. Glenn Nothdurft Farm near Oran in Scott Co.;
17. H.S. Byrd Farm, near Charleston in Mississippi Co.;
18. 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. 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 two of the north Region sites until June because of heavy spring rains. This precipitation trend continued throughout the growing season providing adequate to excessive moisture for the crop. Harvest was delayed until November at four of the five north locations because of wet field conditions for the entire month of October. Yields at the five locations were good, averaging 208 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 below in Table 1.

Average temperature = 68.7 degrees, 0.9 degrees below normal
Average precipitation = 25.8", 4.5" above normal
Growing degree days = 2832 days, 239 days below normal

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

	Planting	Harvest	Fertilizer				Herbicide		
Location	date	date	N	P_20_5	K_20	Tillage	Pre	Post	Insecticide
Non-Irrigated Corn Tests									
Craig	05-07	10-07	208	50	50	Conv.	Dual II Mag, Atrazine, Princep, Callisto		Force 3G
Albany	05-13	11-23	375	60	80	Conv.	Dual II Mag, Atrazine, Princep, Callisto	Callisto	Force 3G
Mooresville	05-14	11-04	220	20	0	Conv.	Dual II Mag, Atrazine, Callisto, Princep		Force 3G
Novelty	06-02	11-04	190	80	100	Conv.	Dual II Mag, Atrazine, Callisto, Princep		Force 3G
LaGrange	06-01	11-27	225	0	0	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=7.1, OM=2.0%, P=40 K=1114

Rainfall: May=3.3, June=10.6, July=5.1, Aug.=4.3,Sept.=1.2 Total=24.5

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Producers 7414VT3	11,12	30365	17.4	5	273.4**	202.8**	238.1
Producers 7014VT3	11,12	29438	14.5	2	271.2*	--	--
AgriGold A6533VT3	11	29920	17.3	12	270.9*	188.8*	229.9
Channel 213-32VT3 Brand	6	29557	17.8	17	267.4*	--	--
AgriGold A6632VT3	11	29935	18.0	4	264.1*	200.3*	232.2
Producers 7394VT3	11,12	29460	16.6	6	263.6*	188.7*	226.2
G2 Genetics 5H-015 RR/HX	4,6,10	29070	16.2	1	261.5*	--	--
Kruger K-6213VT3	3,6	29448	15.8	7	261.1*	--	--
NuTech 3T-315 VT3	4,6,10	28989	19.1	3	260.7*	186.8*	223.8
Producers 7624VT3	11,12	30832	18.1	13	258.3*	190.1*	224.2
G2 Genetics 5H-314 RR/HX	4,6,10	27991	18.0	5	257.7*	167.5	212.6
LG 2620 VT3	3,11	30565	17.3	10	256.7*	195.5*	226.1
DEKALB DKC63-42 (VT3)	11	31009	16.0	3	256.7*	174.9	215.8
G2 Genetics 5H-210A RR/HX	4,6,10	30118	15.9	0	255.6*	--	--
G2 Genetics 5H-210 RR/HX	4,6,10	31194	15.1	16	255.0*	--	--
MFA MORCORN XP191VT3	6	29298	16.6	17	254.6*	--	--
Channel 210-57VT3 Brand	6	30075	16.9	27	253.6*	--	--
Kruger K-6010VT3	3,6	31216	15.9	8	253.5*	--	--
G2 Genetics 1H-716 HX/LL	4,6,10	28759	18.9	1	253.1*	192.1*	222.6
Rainbow X1149GT3	6,10	30492	16.6	0	251.6*	--	--
NuTech 3C-115 RR/YGCB	4,6,10	29472	17.6	5	249.9*	--	--
Mycogen 2T699	7	29821	15.6	15	249.8*	--	--
Channel 209-77VT3 Brand	6	29800	15.8	8	249.4*	--	--
Midland 779BRW	11	30021	20.1	6	248.0*	183.7*	215.9
Power Plus 5R66	10,11	30960	15.4	0	247.3*	--	--
Rainbow 3105YGCB	1,10	29269	16.9	18	247.0*	175.3	211.2
Kruger K-6015VT3	3,6	29306	16.9	19	246.6*	185.1*	215.9
DEKALB DKC62-54 (VT3)	11	30485	16.9	27	246.0*	--	--
MFA MORCORN MC4207VT3	6	29808	15.4	7	245.6*	163.9	204.8
Merschman M-909C-10	2,5,11,12	28139	15.7	9	245.4*	--	--
Kruger K-6413VT3	3,6	29517	15.0	5	244.9*	170.2	207.6
Dyna-Gro 57V21	3,11	28508	18.6	1	244.8*	--	--
Pioneer 33D49 (HX1/LL/RR2	6,8,10	29891	19.8	8	244.4*	--	--
LG 2642 VT3	3,11	30425	18.5	25	244.3*	192.4*	218.4
NuTech 3T-413 VT3	4 6,10	28804	17.2	17	244.2*	--	--
Mycogen 2G847	7	30239	18.4	11	243.7*	--	--
Kruger K-6411VT3	3,6	30831	14.6	7	243.5*	187.1*	215.3
NuTech 3A-811 RR	11	30637	15.5	13	243.0*	--	--
G2 Genetics 5X-513 RR/HXT	4,6,10	30174	17.8	30	242.6*	--	--
Lewis 910 VT3	10,11	30681	15.9	18	242.6*	--	--
G2 Genetics 1X-716 HXT/LL	4,6,10	28715	18.7	6	242.1*	155.4	198.8
Rainbow 3157	1,10	30773	17.8	0	242.0*	184.8*	213.4
Hubner H5462 VT3	11,12	29549	15.4	2	241.7*	--	--
MFA MORCORN MC4307VT3	6	28262	16.0	18	241.7*	--	--
AgVenture L8950HB	3,6	28471	16.7	23	241.7*	--	--

TABLE 2. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
DEKALB DKC59-35 (VT3)	11	30562	16.2	8	241.5*	--	--
Pioneer 34N62	6,10	29783	15.1	11	241.0*	--	--
Midland 436BRW	11	30233	15.1	14	241.0*	155.4	198.2
G2 Genetics 5H-511A RR/HX	4,6,10	29433	16.6	11	240.5*	--	--
Lewis 1009 VT3	10,11	29509	15.7	6	240.0*	--	--
Power Plus 7D51	10,11	29364	18.1	7	239.7*	--	--
Fontanelle 8T416	11	30915	16.7	29	239.4*	176.7	208.1
Rainbow 3147YGCB	1,10	30037	16.7	22	239.3*	--	--
Dyna-Gro 57V38	3,11	28460	16.6	7	238.6*	--	--
Mycogen 2D771	7	29182	17.4	19	237.7	--	--
Stine M-911C-10	2,5,11,12	28582	15.7	1	237.1	--	--
Kruger K-6116VT3	3,6	28922	17.3	3	237.1	--	--
NuTech 3T-013 VT3	11	29377	16.3	4	236.5	--	--
Kruger K-6013VT3	3,6	28794	18.2	10	236.3	181.3	208.8
Mycogen 2H735	7	31380	15.6	3	236.2	--	--
G2 Genetics 5X-614 RR/HXT	4,6,10	30232	19.1	2	235.0	--	--
NuTech 3C-413 RR/YGCB	4,6,10	30075	16.8	34	235.0	--	--
MFA MORCORN MC4107VT3	6	30166	15.3	25	233.9	189.2*	211.6
Stine 9623VT3	2,5,11,12	28455	17.7	5	233.7	--	--
Power Plus 8G23	10,11	28968	17.8	15	233.4	--	--
Burrus 573T	10,11	29529	15.3	8	233.2	173.0	203.1
DEKALB DKC61-69 (VT3)	11	29778	14.3	16	232.7	183.1	207.9
Garst 85R08-3000GT	6,8,10	28972	14.5	20	232.4	--	--
AgriGold A6458VT3	11	30613	13.6	9	232.2	--	--
Mycogen 2E696	7	29478	15.7	5	231.9	--	--
Kruger K-6214VT3	3,6	29428	15.5	14	231.5	--	--
DEKALB DKC63-84 (VT3)	11	29299	15.5	36	230.4	--	--
G2 Genetics 5X-614A RR/HX	4,6,10	30123	18.5	17	230.2	--	--
Lewis 1013 VT3	10,11	28970	15.7	4	229.6	--	--
Renze 1386VT3	11	29286	16.3	10	229.5	--	--
Rainbow 3142YGCB	1,10	30135	15.9	18	229.3	173.1	201.2
AgriGold A6489VT3	11	29055	16.6	9	228.9	173.1	201.0
Midland 670BRW	12	30122	18.3	15	228.4	--	--
LG 2549 VT3	3,11	28773	14.3	5	228.4	--	--
AgriGold A6456VT3	11	30063	16.4	9	228.2	--	--
Stone 7T728VT3	10,11	29862	16.5	3	227.7	--	--
NuTech 5N-213+ GT/CB/LL/R	11	29896	16.2	6	227.3	--	--
Power Plus 6H22	10,11	29027	17.5	5	227.0	--	--
Kruger K-6410VT3	3,6	30049	16.9	6	226.5	--	--
Fontanelle 8T339	11	28987	14.8	5	226.2	174.6	200.4
Hubner H5582 VT3	11,12	27823	14.9	9	225.4	187.4*	206.4
NuTech 3T-313 VT3	4,6,10	29366	15.7	12	225.3	--	--
AgVenture RL8694HBW	6,8,10	28585	17.2	9	225.2	--	--
Taylor EXP C-012-09 VT3	10,11	27936	16.0	3	225.0	--	--
Stone 6T688VT3	10,11	29702	15.0	45	225.0	--	--
Rainbow X1118VT3	10,11	29188	15.7	16	224.6	--	--
Fontanelle 8T812	11	28732	17.5	5	224.6	--	--
Dyna-Gro 57V40	3,11	28570	16.1	28	224.6	--	--
Taylor 1940 VT3	10,11	30200	16.8	6	224.3	--	--
Pioneer 35K03	6,10	28634	16.1	2	224.1	--	--
NuTech 3A-813 RR	11	30350	17.5	40	223.5	--	--
Renze 5347HX1/LL	11	28112	16.8	12	223.0	--	--

TABLE 2. Continued.

Brand-Variety	Seed Treatment +	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Channel 208-72VT3 Brand	6	29343	16.5	5	222.3	--	--
Lewis 914 VT3	10,11	30532	15.2	18	221.5	189.3*	205.4
G2 Genetics 5H-615 RR/HX	4,6,10	27451	16.9	4	221.2	--	--
NuTech 3T-110 VT3	4,6,10	28322	16.5	41	221.1	194.2*	207.7
Lewis 813 VT3	10,11	29341	15.4	24	220.5	167.4	194.0
G2 Genetics 5X-711B RR/HX	4,6,10	28638	15.7	9	220.3	--	--
Lewis 1012 VT3	10,11	27458	14.9	13	218.8	--	--
NuTech 3T-713 VT3	4,8,10,11	29073	18.1	13	218.7	--	--
MFA MORCORN MC4507VT3	6	29370	16.4	7	218.5	153.7	186.1
Renze 5X479HXT/LL	11	24461	19.4	9	217.3	--	--
G2 Genetics 5H-511 RR/HX	4,6,10	29605	16.1	8	215.3	--	--
Mycogen 2V732	7	29693	16.5	38	214.9	--	--
Midland 617BRW	11	28227	17.1	35	214.5	--	--
G2 Genetics 5X-711 RR/HXT	4,6,10	29614	15.3	14	213.7	--	--
AgriGold A6479VT3	11	29540	16.9	24	212.9	178.3	195.6
Renze 1428VT3	11	29648	17.0	15	212.9	--	--
Garst 84U96-3000GT	6,8,10	30014	16.6	8	211.5	--	--
G2 Genetics 5H-915 RR/HX	4,6,10	30096	16.2	15	211.0	--	--
G2 Genetics 5X-915 RR/HXT	4,6,10	30364	17.9	9	209.8	--	--
NuTech 3T-612 VT3	11	28623	15.4	0	207.8	--	--
G2 Genetics 1H-911 HX/LL	4,6,10	28810	15.8	17	207.5	167.3	187.4
Stone 5T128VT3	10,11	29612	12.8	6	207.2	--	--
Producers 7254VT3	11,12	28564	18.4	59	205.9	--	--
Kruger K-6412VT3	3,6	31147	16.4	9	205.7	164.5	185.1
Renze 1399VT3	11	28986	17.3	39	204.0	--	--
NuTech 0C-213 YGCB	4,6,10	30137	20.1	37	203.6	177.9	190.8
Hubner H5707 VT3	11,12	30539	17.4	24	202.9	--	--
Pioneer 33T57	6,10	29821	16.9	25	201.1	194.8*	198.0
Kruger K-6210TS	3,6	29752	15.4	27	200.4	177.7	189.1
Garst 84A53 GT/CB/LL	6,8,10	27981	17.5	46	200.0	--	--
AgVenture RL7938HBW	6,8,10	28835	16.4	11	199.8	--	--
Renze 1526VT3	11	28372	19.3	30	198.8	166.0	182.4
Kruger K-6114VT3	3,6	31473	16.6	23	197.5	171.1	184.3
Midland 658HL	11	28443	17.6	25	192.7	161.2	177.0
DEKALB DKC61-04 (VT3)	11	27826	16.6	33	190.2	--	--
Hubner H5430 VT3	11,12	30611	15.4	16	189.4	--	--
NuTech 0C-213A YGCB	4,6,10	29947	19.2	55	181.8	--	--
TEST AVERAGE		**29490**	**16.6**	**14**	**231.9**	**175.5**	**203.7**
L.S.D. AT .10		**1947**	**1.3**	**27**	**35.6**	**19.5**	
C.V. %		**4.7**	**5.5**		**11.1**	**7.9**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

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

Rainfall: May=6.0, June=7.4, July=2.7, Aug.=5.8,Sept.=0.5 Total=22.4

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
NuTech 3C-115 RR/YGCB	4,6,10	25823	18.4	0	243.4**	--	--
MFA MORCORN MC4507VT3	6	27390	18.3	0	243.0*	164.6	203.8
AgriGold A6632VT3	11	28607	18.7	0	242.4*	188.8*	215.6
Midland 436BRW	11	27089	17.0	0	239.8*	159.8	199.8
Producers 7394VT3	11,12	29514	18.9	0	236.8*	194.3*	215.6
NuTech 3T-315 VT3	4,6,10	26029	18.0	0	235.2*	203.2**	219.2
Stine M-911C-10	2,5,11,12	27582	16.9	0	235.2*	--	--
G2 Genetics 1H-716 HX/LL	4,6,10	26745	18.9	0	234.7*	191.1*	212.9
Dyna-Gro 57V21	3,11	28643	17.5	0	233.1*	--	--
DEKALB DKC63-42 (VT3)	11	27648	18.8	0	231.6*	171.7	201.7
Kruger K-6013VT3	3,6	28247	18.4	0	230.2*	193.6*	211.9
Producers 7624VT3	11,12	27697	18.3	1	229.9*	193.9*	211.9
NuTech 3T-713 VT3	4,8,10,11	26469	17.4	0	229.9*	--	--
Rainbow 3147YGCB	1,10	29261	16.8	0	229.0*	--	--
Dyna-Gro 57V40	3,11	27924	18.0	0	228.8*	--	--
Renze 1386VT3	11	27533	18.5	0	228.7*	--	--
Mycogen 2H735	7	27768	18.2	0	227.8*	--	--
Fontanelle 8T812	11	26466	18.9	0	226.9*	--	--
G2 Genetics 5H-210A RR/HX	4,6,10	28012	18.0	0	226.7*	--	--
Producers 7414VT3	11,12	27980	18.1	0	226.3*	196.7*	211.5
Hubner H5430 VT3	11,12	27741	17.8	0	226.0*	--	--
G2 Genetics 5H-015 RR/HX	4,6,10	28247	17.6	0	225.4*	--	--
LG 2620 VT3	3,11	26241	18.0	0	225.1*	175.8	200.5
Kruger K-6214VT3	3,6	28837	18.8	0	224.5*	--	--
AgVenture L8950HB	3,6	26232	18.7	0	222.7*	--	--
Renze 1428VT3	11	26165	18.8	0	222.7*	--	--
Merschman M-909C-10	2,5,11,12	28966	17.7	0	222.7*	--	--
AgriGold A6458VT3	11	28224	16.7	0	222.5*	--	--
Channel 213-32VT3 Brand	6	26373	18.4	0	222.5*	--	--
LG 2642 VT3	3,11	26802	18.6	0	222.1*	203.2**	212.7
Pioneer 33T57	6,10	27424	18.6	0	221.6*	187.3*	204.5
Rainbow X1149GT3	6,10	29259	17.9	0	221.6*	--	--
Kruger K-6411VT3	3,6	27381	16.4	0	221.4*	181.4	201.4
Midland 617BRW	11	27456	17.8	0	221.2*	--	--
Kruger K-6114VT3	3,6	30317	18.8	0	221.0*	187.4*	204.2
NuTech 3A-811 RR	11	27385	18.0	0	219.4	--	--
NuTech 0C-213 YGCB	4,6,10	26604	16.8	0	219.4	185.6*	202.5
Mycogen 2T699	7	29067	16.4	0	219.3	--	--
Midland 670BRW	12	26694	19.4	0	218.6	--	--
NuTech 3C-413 RR/YGCB	4,6,10	28588	18.6	0	218.3	--	--
Producers 7254VT3	11,12	27608	18.2	0	217.7	--	--
Producers 7014VT3	11,12	26710	16.6	0	217.6	--	--
G2 Genetics 1X-716 HXT/LL	4,6,10	26983	19.9	0	217.1	190.5*	203.8
Kruger K-6116VT3	3,6	28095	18.7	0	217.0	--	--
G2 Genetics 5H-314 RR/HX	4,6,10	25010	18.1	0	217.0	196.6*	206.8

TABLE 3. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Midland 779BRW	11	28540	18.5	0	216.9	197.8*	207.4
LG 2549 VT3	3,11	26493	16.3	0	216.5	--	--
AgriGold A6456VT3	11	28652	18.3	0	216.1	--	--
Power Plus 7D51	10,11	26920	20.1	0	215.9	--	--
Mycogen 2E696	7	28127	17.7	0	215.2	--	--
Channel 209-77VT3 Brand	6	28319	18.2	0	214.8	--	--
Pioneer 34N62	6,10	29557	16.0	0	214.2	--	--
Kruger K-6015VT3	3,6	27775	17.2	0	214.2	196.7*	205.5
Power Plus 5R66	10,11	27460	17.1	0	213.3	--	--
Pioneer 35K03	6,10	28644	18.4	0	212.8	--	--
NuTech 3T-110 VT3	4,6,10	27372	17.4	0	212.7	177.9	195.3
DEKALB DKC59-35 (VT3)	11	27575	18.6	0	212.2	--	--
AgVenture RL8694HBW	6,8,10	26889	18.5	0	211.8	--	--
Garst 85R08-3000GT	6,8,10	28743	16.8	0	211.7	--	--
Kruger K-6412VT3	3,6	28313	19.3	0	211.0	179.8	195.4
Power Plus 8G23	10,11	28409	20.8	0	210.4	--	--
Pioneer 33D49 (HX1/LL/RR2	6,8,10	27685	20.0	0	210.3	--	--
Mycogen 2G847	7	26638	19.2	0	210.1	--	--
NuTech 3T-413 VT3	4 6,10	27060	19.5	0	209.9	--	--
AgriGold A6479VT3	11	27402	18.9	0	209.8	197.5*	203.7
Mycogen 2V732	7	29208	18.6	0	209.1	--	--
G2 Genetics 5H-915 RR/HX	4,6,10	28910	19.2	0	208.9	--	--
Hubner H5707 VT3	11,12	27994	19.0	0	208.9	--	--
G2 Genetics 5H-615 RR/HX	4,6,10	24379	17.7	0	208.7	--	--
NuTech 3T-013 VT3	11	26668	17.5	0	208.5	--	--
Kruger K-6010VT3	3,6	28758	17.3	0	208.3	--	--
Kruger K-6210TS	3,6	26975	17.9	0	208.2	163.1	185.7
Stone 7T728VT3	10,11	27345	17.9	0	208.2	--	--
G2 Genetics 5X-513 RR/HXT	4,6,10	26482	19.7	0	208.0	--	--
DEKALB DKC61-04 (VT3)	11	27116	18.6	0	207.5	--	--
Renze 1526VT3	11	24799	18.4	0	207.2	154.1	180.7
MFA MORCORN XP191VT3	6	27150	17.6	0	207.1	--	--
G2 Genetics 5H-511 RR/HX	4,6,10	28011	18.1	1	206.9	--	--
Kruger K-6213VT3	3,6	26666	17.8	1	206.5	--	--
G2 Genetics 5H-210 RR/HX	4,6,10	27765	17.8	0	206.4	--	--
Taylor EXP C-012-09 VT3	10,11	24999	17.6	0	206.2	--	--
MFA MORCORN MC4107VT3	6	28202	17.0	0	205.7	181.9	193.8
Hubner H5462 VT3	11,12	28142	18.0	0	205.5	--	--
Channel 210-57VT3 Brand	6	26769	17.6	0	204.9	--	--
Taylor 1940 VT3	10,11	26865	18.7	0	203.8	--	--
NuTech 3T-313 VT3	4,6,10	24632	18.5	1	203.4	--	--
NuTech 5N-213+ GT/CB/LL/R	11	23725	17.1	0	203.3	--	--
Rainbow X1118VT3	10,11	26215	18.0	1	203.2	--	--
NuTech 3T-612 VT3	11	26981	18.2	0	202.8	--	--
G2 Genetics 5X-614 RR/HXT	4,6,10	30281	18.8	0	202.4	--	--
Kruger K-6410VT3	3,6	27813	17.5	0	202.4	--	--
Lewis 914 VT3	10,11	26724	17.6	0	201.7	183.9*	192.8
Stine 9623VT3	2,5,11,12	25126	17.7	0	201.7	--	--
Renze 1399VT3	11	27010	18.4	0	201.6	--	--
AgriGold A6533VT3	11	25511	18.2	0	201.3	191.1*	196.2
Rainbow 3142YGCB	1,10	28991	18.5	0	201.2	168.9	185.1
G2 Genetics 5X-614A RR/HX	4,6,10	28295	19.0	0	201.0	--	--

TABLE 3. Continued.

Brand-Variety	Seed Treatment +	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Kruger K-6413VT3	3,6	27359	17.5	0	200.7	178.9	189.8
Lewis 1012 VT3	10,11	25141	18.5	0	200.5	--	--
Lewis 1009 VT3	10,11	26188	17.1	0	200.0	--	--
Fontanelle 8T416	11	27160	16.8	0	199.7	195.5*	197.6
G2 Genetics 5X-711B RR/HX	4,6,10	28388	18.0	0	199.3	--	--
Midland 658HL	11	24126	18.7	0	199.0	175.2	187.1
Mycogen 2D771	7	26278	17.3	0	198.8	--	--
Garst 84U96-3000GT	6,8,10	28110	18.0	0	198.7	--	--
AgriGold A6489VT3	11	25083	18.3	0	198.7	189.7*	194.2
Renze 5X479HXT/LL	11	25546	19.6	0	198.1	--	--
DEKALB DKC62-54 (VT3)	11	28928	17.5	0	197.1	--	--
AgVenture RL7938HBW	6,8,10	27571	18.4	0	196.6	--	--
DEKALB DKC61-69 (VT3)	11	27151	17.8	0	196.4	184.7*	190.6
NuTech 0C-213A YGCB	4,6,10	23997	16.6	0	196.0	--	--
Hubner H5582 VT3	11,12	26721	17.6	0	195.9	168.1	182.0
Fontanelle 8T339	11	26122	17.7	0	195.4	164.4	179.9
Rainbow 3105YGCB	1,10	25330	18.3	0	195.0	183.6	189.3
G2 Genetics 5H-511A RR/HX	4,6,10	24649	18.4	0	195.0	--	--
MFA MORCORN MC4207VT3	6	26906	18.5	0	192.4	181.5	187.0
G2 Genetics 5X-711 RR/HXT	4,6,10	26058	18.0	0	192.2	--	--
Lewis 1013 VT3	10,11	28821	16.5	0	190.3	--	--
MFA MORCORN MC4307VT3	6	28514	18.3	0	190.3	--	--
Dyna-Gro 57V38	3,11	23684	18.6	0	189.5	--	--
G2 Genetics 5X-915 RR/HXT	4,6,10	28560	19.3	0	189.1	--	--
Garst 84A53 GT/CB/LL	6,8,10	23793	18.0	0	189.0	--	--
DEKALB DKC63-84 (VT3)	11	23258	17.8	0	188.7	--	--
Lewis 910 VT3	10,11	27135	17.7	0	187.9	--	--
NuTech 3A-813 RR	11	24502	18.0	0	187.3	--	--
Stone 6T688VT3	10,11	24569	17.2	0	186.1	--	--
Channel 208-72VT3 Brand	6	23404	18.1	0	185.2	--	--
Lewis 813 VT3	10,11	25394	17.0	0	182.8	169.2	176.0
Rainbow 3157	1,10	24986	19.1	0	180.3	194.2*	187.3
G2 Genetics 1H-911 HX/LL	4,6,10	25159	17.7	0	177.3	170.1	173.7
Power Plus 6H22	10,11	24682	19.1	0	174.2	--	--
Renze 5347HX1/LL	11	25813	18.3	0	172.9	--	--
Burrus 573T	10,11	26912	18.0	0	170.0	173.3	171.7
Stone 5T128VT3	10,11	27261	16.1	0	164.7	--	--
TEST AVERAGE		**27054**	**18.1**	**0**	**209.4**	**177.9**	**193.7**
L.S.D. AT .10		**2722**	**1.1**	**0**	**22.9**	**19.5**	
C.V. %		**7.3**	**4.7**		**7.9**	**7.8**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 4. **Non-Irrigated Corn Test**

North Region: Mooresville, MO (Livingston County)

Soil Type: Grundy Silt Loam Soil Test: pH=5.5, OM=3.4%, P=38, K=402

Rainfall: May=4.0, June=7.4, July=3.7, Aug.=13.7,Sept.=0.9 Total=29.7

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
AgriGold A6458VT3	11	28895	13.1	0	214.3**	--	--
Producers 7414VT3	11,12	29459	14.5	0	212.6*	250.9*	231.8
Fontanelle 8T812	11	26099	15.5	0	207.6*	--	--
Stine M-911C-10	2,5,11,12	27028	14.1	0	207.6*	--	--
Producers 7394VT3	11,12	27509	14.9	0	207.2*	241.8*	224.5
MFA MORCORN XP191VT3	6	25714	14.9	0	204.9*	--	--
G2 Genetics 5H-210A RR/HX	4,6,10	25809	14.4	0	204.2*	--	--
Lewis 914 VT3	10,11	25050	14.7	0	203.9*	250.0*	227.0
LG 2549 VT3	3,11	27595	13.4	0	202.4*	--	--
G2 Genetics 1H-716 HX/LL	4,6,10	27896	17.4	0	201.8*	251.2*	226.5
Rainbow 3147YGCB	1,10	25663	15.3	0	201.7*	--	--
Rainbow 3142YGCB	1,10	28616	14.8	0	201.3*	235.1	218.2
Rainbow 3157	1,10	29592	17.3	0	201.1*	251.5*	226.3
Kruger K-6114VT3	3,6	29011	17.3	0	200.0*	254.0*	227.0
G2 Genetics 1X-716 HXT/LL	4,6,10	26024	17.8	0	199.8*	261.3*	230.6
Kruger K-6013VT3	3,6	26374	15.3	0	199.3*	251.9*	225.6
Lewis 1012 VT3	10,11	27153	14.2	0	198.4*	--	--
NuTech 0C-213A YGCB	4,6,10	26153	16.3	0	198.3*	--	--
Mycogen 2T699	7	31251	14.1	0	197.3*	--	--
NuTech 3C-115 RR/YGCB	4,6,10	26636	15.5	0	196.1*	--	--
Stone 7T728VT3	10,11	25670	14.5	0	196.0*	--	--
Lewis 910 VT3	10,11	25680	13.9	0	195.2*	--	--
Renze 1386VT3	11	25166	15.8	0	194.7	--	--
Lewis 813 VT3	10,11	24595	14.1	0	194.6	214.2	204.4
DEKALB DKC63-42 (VT3)	11	26871	15.1	0	194.5	250.5*	222.5
Channel 213-32VT3 Brand	6	25257	15.4	0	194.2	--	--
Renze 5347HX1/LL	11	27701	15.9	0	193.9	--	--
Power Plus 7D51	10,11	28770	17.8	0	193.9	--	--
Power Plus 5R66	10,11	26757	14.1	0	193.6	--	--
NuTech 0C-213 YGCB	4,6,10	25827	15.9	0	193.4	252.9*	223.2
Pioneer 33T57	6,10	26504	15.8	0	193.2	203.4	198.3
LG 2620 VT3	3,11	26248	14.7	0	193.1	245.5*	219.3
NuTech 3T-612 VT3	11	25248	15.2	0	193.0	--	--
MFA MORCORN MC4107VT3	6	26480	14.2	0	192.7	231.5	212.1
MFA MORCORN MC4207VT3	6	26687	14.2	0	192.5	250.6*	221.6
Rainbow 3105YGCB	1,10	25466	15.0	0	192.4	206.1	199.3
Fontanelle 8T339	11	26966	14.0	0	192.3	238.1	215.2
AgriGold A6533VT3	11	26988	14.7	0	192.3	253.0*	222.7
Taylor 1940 VT3	10,11	26890	14.5	0	191.8	--	--
AgriGold A6456VT3	11	27653	14.6	0	191.7	--	--
G2 Genetics 5H-511 RR/HX	4,6,10	24624	15.3	0	191.6	--	--
G2 Genetics 5H-511A RR/HX	4,6,10	25070	15.2	0	191.1	--	--
Producers 7254VT3	11,12	27415	15.2	0	190.7	--	--
G2 Genetics 5H-210 RR/HX	4,6,10	24099	14.7	0	190.6	--	--
LG 2642 VT3	3,11	29090	14.9	0	190.5	240.8*	215.7

TABLE 4. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
NuTech 3T-013 VT3	11	25407	15.0	0	190.4	--	--
Kruger K-6412VT3	3,6	26786	15.7	0	190.3	233.8	212.1
Renze 1428VT3	11	27364	15.7	0	189.0	--	--
Channel 210-57VT3 Brand	6	26357	13.6	0	188.7	--	--
AgriGold A6479VT3	11	27954	16.5	0	188.7	261.6*	225.2
NuTech 3T-413 VT3	4 6,10	27982	14.7	0	188.5	--	--
DEKALB DKC63-84 (VT3)	11	24734	14.7	0	188.4	--	--
Renze 1526VT3	11	26518	16.3	0	188.4	251.9*	220.2
Kruger K-6213VT3	3,6	23179	15.2	0	187.3	--	--
NuTech 3T-110 VT3	4,6,10	26990	14.1	0	186.9	246.1*	216.5
NuTech 3A-811 RR	11	25426	14.8	0	186.6	--	--
Kruger K-6210TS	3,6	26723	16.4	0	186.5	254.4*	220.5
DEKALB DKC61-69 (VT3)	11	25768	14.1	0	185.9	244.7*	215.3
NuTech 5N-213+ GT/CB/LL/R	11	21557	14.3	0	185.3	--	--
NuTech 3T-313 VT3	4,6,10	22788	15.9	0	184.8	--	--
Kruger K-6010VT3	3,6	26297	14.0	0	184.8	--	--
Dyna-Gro 57V40	3,11	26318	13.9	0	184.8	--	--
Power Plus 6H22	10,11	25382	15.8	0	184.4	--	--
DEKALB DKC59-35 (VT3)	11	25412	15.1	0	184.4	--	--
Kruger K-6413VT3	3,6	25892	14.2	0	184.3	221.8	203.1
Channel 209-77VT3 Brand	6	27639	14.0	0	184.3	--	--
Power Plus 8G23	10,11	26255	17.0	0	184.2	--	--
G2 Genetics 5H-314 RR/HX	4,6,10	25815	14.5	0	184.1	234.7	209.4
Hubner H5582 VT3	11,12	21666	14.3	0	184.0	246.2*	215.1
G2 Genetics 5X-614 RR/HXT	4,6,10	28305	17.3	0	184.0	--	--
Stone 6T688VT3	10,11	24326	14.2	0	183.9	--	--
NuTech 3C-413 RR/YGCB	4,6,10	27956	15.1	0	183.7	--	--
Producers 7014VT3	11,12	29257	13.2	0	183.6	--	--
Burrus 573T	10,11	28163	15.5	0	183.6	237.7	210.7
G2 Genetics 1H-911 HX/LL	4,6,10	23812	15.4	0	183.1	243.5*	213.3
DEKALB DKC62-54 (VT3)	11	27491	15.0	0	183.1	--	--
Renze 5X479HXT/LL	11	25223	16.7	0	183.0	--	--
Mycogen 2G847	7	26074	17.3	0	183.0	--	--
Dyna-Gro 57V21	3,11	29417	15.0	0	182.9	--	--
Garst 84A53 GT/CB/LL	6,8,10	21702	14.8	0	182.5	--	--
Mycogen 2E696	7	26643	14.3	0	182.1	--	--
Midland 436BRW	11	26030	14.2	0	182.0	233.5	207.8
Mycogen 2V732	7	27698	14.8	0	181.9	--	--
Midland 617BRW	11	27456	15.9	0	181.9	--	--
Lewis 1013 VT3	10,11	25268	14.7	0	181.7	--	--
Kruger K-6411VT3	3,6	22160	13.8	0	181.1	233.5	207.3
G2 Genetics 5X-614A RR/HX	4,6,10	27057	17.5	0	180.9	--	--
G2 Genetics 5X-513 RR/HXT	4,6,10	29006	16.2	0	180.5	--	--
Kruger K-6214VT3	3,6	25778	14.3	0	180.5	--	--
Kruger K-6015VT3	3,6	28203	14.7	0	180.4	233.6	207.0
Pioneer 33D49 (HX1/LL/RR2	6,8,10	29422	16.6	0	180.4	--	--
Mycogen 2H735	7	24006	15.5	0	180.4	--	--
AgriGold A6632VT3	11	27582	14.8	0	180.3	252.9*	216.6
Midland 670BRW	12	26366	14.9	0	180.1	--	--
Kruger K-6116VT3	3,6	25916	15.4	0	180.0	--	--
Garst 84U96-3000GT	6,8,10	27853	15.1	0	180.0	--	--
Rainbow X1149GT3	6,10	27965	15.5	0	179.4	--	--

TABLE 4. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Midland 779BRW	11	28890	16.0	0	179.1	240.6*	209.9
Hubner H5430 VT3	11,12	26337	14.0	0	179.1	--	--
Hubner H5462 VT3	11,12	26177	13.8	0	179.1	--	--
NuTech 3T-315 VT3	4,6,10	26875	15.0	0	178.9	248.9*	213.9
Kruger K-6410VT3	3,6	26464	14.0	0	178.7	--	--
AgriGold A6489VT3	11	26123	14.9	0	177.2	239.2	208.2
DEKALB DKC61-04 (VT3)	11	25598	17.0	0	176.6	--	--
Taylor EXP C-012-09 VT3	10,11	25847	14.1	0	176.2	--	--
Garst 85R08-3000GT	6,8,10	26827	14.7	0	175.5	--	--
Dyna-Gro 57V38	3,11	24355	14.6	0	175.1	--	--
G2 Genetics 5H-615 RR/HX	4,6,10	20676	14.7	0	174.8	--	--
G2 Genetics 5H-015 RR/HX	4,6,10	27145	14.9	0	174.8	--	--
Hubner H5707 VT3	11,12	26437	14.9	0	174.5	--	--
MFA MORCORN MC4307VT3	6	26779	14.2	0	174.5	--	--
Producers 7624VT3	11,12	28366	15.1	0	174.4	243.0*	208.7
AgVenture L8950HB	3,6	28380	18.5	0	174.2	--	--
NuTech 3T-713 VT3	4,8,10,11	20714	15.2	0	173.3	--	--
Pioneer 34N62	6,10	28862	14.0	0	173.3	--	--
G2 Genetics 5X-711 RR/HXT	4,6,10	25695	15.1	0	173.2	--	--
AgVenture RL7938HBW	6,8,10	27666	15.5	0	172.9	--	--
Renze 1399VT3	11	26248	15.7	0	172.8	--	--
AgVenture RL8694HBW	6,8,10	27901	15.3	0	172.6	--	--
G2 Genetics 5X-711B RR/HX	4,6,10	27517	15.1	0	170.5	--	--
Channel 208-72VT3 Brand	6	20826	14.5	0	169.6	--	--
Stone 5T128VT3	10,11	26696	13.5	0	169.0	--	--
Fontanelle 8T416	11	24450	15.0	0	168.0	235.2	201.6
Mycogen 2D771	7	22294	14.8	0	167.8	--	--
Merschman M-909C-10	2,5,11,12	27148	14.7	0	167.7	--	--
Pioneer 35K03	6,10	27679	15.4	0	167.2	--	--
G2 Genetics 5H-915 RR/HX	4,6,10	28478	16.7	0	166.3	--	--
Midland 658HL	11	23817	16.1	0	166.0	248.1*	207.1
Rainbow X1118VT3	10,11	21913	14.6	0	163.5	--	--
Lewis 1009 VT3	10,11	20799	14.1	0	160.5	--	--
MFA MORCORN MC4507VT3	6	27564	15.1	0	160.1	208.9	184.5
NuTech 3A-813 RR	11	23691	15.5	0	158.9	--	--
Stine 9623VT3	2,5,11,12	18262	14.3	0	137.9	--	--
G2 Genetics 5X-915 RR/HXT	4,6,10	28787	17.2	0	130.4	--	--
TEST AVERAGE		**26238**	**15.1**	**0**	**184.6**	**238.1**	**211.4**
L.S.D. AT .10		**2654**	**0.7**	**0**	**19.4**	**21.7**	
C.V. %		**7.3**	**3.5**		**7.4**	**6.5**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

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

Rainfall: May=6.7, June=5.7, July=4.2, Aug.=6.6,Sept.=3.4 Total=26.6

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Kruger K-6210TS	3,6	30408	21.3	0	242.7**	151.6	197.2
Producers 7414VT3	11,12	31071	23.8	0	242.1*	171.7*	206.9
MFA MORCORN XP191VT3	6	29973	22.9	0	240.7*	--	--
Kruger K-6213VT3	3,6	29888	22.8	0	238.6*	--	--
Producers 7254VT3	11,12	31208	23.9	0	235.0*	--	--
Dyna-Gro 57V40	3,11	27831	23.7	0	234.0*	--	--
Mycogen 2T699	7	31290	20.5	0	233.7*	--	--
Kruger K-6013VT3	3,6	29981	25.8	0	232.2*	146.2	189.2
Stine 9623VT3	2,5,11,12	29105	24.6	0	231.4*	--	--
Mycogen 2E696	7	31533	19.6	0	231.0*	--	--
NuTech 3C-413 RR/YGCB	4,6,10	30022	26.8	0	230.1*	--	--
Mycogen 2D771	7	30303	22.1	0	229.1*	--	--
Merschman M-909C-10	2,5,11,12	30553	21.5	0	229.0*	--	--
AgriGold A6458VT3	11	28995	24.3	0	228.9*	--	--
NuTech 0C-213A YGCB	4,6,10	31524	26.7	0	228.8*	--	--
AgriGold A6632VT3	11	29684	27.5	0	228.7*	160.5*	194.6
Producers 7624VT3	11,12	30937	27.8	0	228.0*	167.3*	197.7
DEKALB DKC63-42 (VT3)	11	29507	26.1	0	227.9*	160.8*	194.4
Midland 436BRW	11	28196	21.9	0	227.1*	136.4	181.8
G2 Genetics 5H-511A RR/HX	4,6,10	29254	20.3	0	226.0*	--	--
DEKALB DKC63-84 (VT3)	11	29747	21.8	0	225.8*	--	--
Garst 85R08-3000GT	6,8,10	30417	20.5	0	225.3*	--	--
Lewis 910 VT3	10,11	28806	22.9	0	222.2*	--	--
Kruger K-6214VT3	3,6	28154	23.5	0	222.0*	--	--
Stine M-911C-10	2,5,11,12	31126	21.3	0	221.8*	--	--
Rainbow 3142YGCB	1,10	29826	22.4	0	221.6*	145.8	183.7
G2 Genetics 1H-911 HX/LL	4,6,10	28862	21.9	0	221.5*	146.3	183.9
Taylor EXP C-012-09 VT3	10,11	28961	24.3	0	221.2*	--	--
Burrus 573T	10,11	28621	23.7	0	221.1*	148.1	184.6
Lewis 1012 VT3	10,11	29332	22.9	0	220.7*	--	--
AgriGold A6533VT3	11	29439	27.0	0	220.5*	152.3	186.4
G2 Genetics 1H-716 HX/LL	4,6,10	29821	26.9	0	220.4*	151.6	186.0
Dyna-Gro 57V38	3,11	27231	26.4	0	219.4*	--	--
Channel 210-57VT3 Brand	6	29975	21.8	0	218.9*	--	--
Hubner H5462 VT3	11,12	28887	23.9	0	218.8*	--	--
LG 2620 VT3	3,11	30419	26.4	0	218.6*	161.0*	189.8
Garst 84U96-3000GT	6,8,10	29173	22.8	0	218.3*	--	--
NuTech 3T-413 VT3	4 6,10	29285	26.2	0	217.8*	--	--
Renze 1428VT3	11	28948	28.1	0	217.8*	--	--
Fontanelle 8T339	11	31109	23.0	0	217.7*	158.7	188.2
NuTech 5N-213+ GT/CB/LL/R	11	29711	24.6	0	216.7*	--	--
NuTech 0C-213 YGCB	4,6,10	30198	26.0	0	216.6*	141.4	179.0
Kruger K-6412VT3	3,6	29987	25.3	0	216.5*	160.3	188.4
Kruger K-6116VT3	3,6	28856	27.1	0	216.4*	--	--
Kruger K-6410VT3	3,6	29478	20.7	0	216.3*	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Pioneer 35K03	6,10	29936	20.0	0	216.2*	--	--
NuTech 3C-115 RR/YGCB	4,6,10	27232	28.1	0	215.8*	--	--
G2 Genetics 5H-210 RR/HX	4,6,10	29902	23.1	0	215.7*	--	--
NuTech 3T-713 VT3	4,8,10,11	29381	26.8	0	215.3*	--	--
Renze 1399VT3	11	29932	26.0	0	215.1*	--	--
MFA MORCORN MC4207VT3	6	30319	23.3	0	215.0*	154.9	185.0
G2 Genetics 5H-314 RR/HX	4,6,10	27725	23.0	0	214.6*	168.1*	191.4
Channel 209-77VT3 Brand	6	30298	24.6	0	214.4*	--	--
NuTech 3T-013 VT3	11	26978	23.3	0	213.3*	--	--
G2 Genetics 5X-711 RR/HXT	4,6,10	29044	22.4	0	213.2*	--	--
NuTech 3A-813 RR	11	26241	24.6	0	212.9*	--	--
Power Plus 5R66	10,11	30501	21.8	0	212.1*	--	--
DEKALB DKC62-54 (VT3)	11	30534	24.2	0	211.7*	--	--
Mycogen 2G847	7	30856	27.5	0	211.5*	--	--
Kruger K-6413VT3	3,6	30501	22.2	0	211.5*	163.4*	187.5
DEKALB DKC61-04 (VT3)	11	28241	24.7	0	211.3*	--	--
Power Plus 8G23	10,11	27961	26.9	0	211.0*	--	--
Pioneer 33T57	6,10	30032	23.3	0	210.7	172.9*	191.8
Midland 670BRW	12	30247	27.8	0	210.5	--	--
Pioneer 34N62	6,10	29449	21.7	0	210.4	--	--
DEKALB DKC61-69 (VT3)	11	27493	19.3	0	209.9	154.1	182.0
Hubner H5430 VT3	11,12	29966	24.0	0	209.8	--	--
Fontanelle 8T416	11	28178	21.5	0	209.4	148.8	179.1
Power Plus 7D51	10,11	30549	26.7	0	209.3	--	--
MFA MORCORN MC4507VT3	6	27498	26.8	0	209.0	124.6	166.8
LG 2549 VT3	3,11	28126	23.4	0	208.8	--	--
NuTech 3A-811 RR	11	28530	23.9	0	208.8	--	--
Kruger K-6010VT3	3,6	28869	23.1	0	207.4	--	--
Channel 213-32VT3 Brand	6	28381	27.2	0	207.3	--	--
Channel 208-72VT3 Brand	6	28249	22.7	0	207.2	--	--
Lewis 1013 VT3	10,11	28457	22.6	0	207.0	--	--
AgriGold A6489VT3	11	27730	21.4	0	207.0	167.1*	187.1
G2 Genetics 5H-511 RR/HX	4,6,10	28650	23.2	0	207.0	--	--
Producers 7014VT3	11,12	27924	24.7	0	206.6	--	--
Garst 84A53 GT/CB/LL	6,8,10	27490	24.6	0	205.4	--	--
Kruger K-6015VT3	3,6	29482	21.3	0	204.3	148.1	176.2
Dyna-Gro 57V21	3,11	30365	28.8	0	204.2	--	--
NuTech 3T-110 VT3	4,6,10	28529	24.5	0	203.7	144.3	174.0
Kruger K-6411VT3	3,6	30273	20.2	0	203.2	147.2	175.2
LG 2642 VT3	3,11	29979	26.2	0	202.8	173.9*	188.4
Rainbow 3157	1,10	30129	26.1	0	201.7	142.8	172.3
Stone 7T728VT3	10,11	29042	23.5	0	201.5	--	--
Rainbow X1149GT3	6,10	27751	28.2	0	201.2	--	--
Rainbow 3147YGCB	1,10	29252	26.3	0	200.5	--	--
Mycogen 2V732	7	29336	26.6	0	200.4	--	--
NuTech 3T-612 VT3	11	28867	22.3	0	200.3	--	--
Renze 1386VT3	11	28976	24.1	0	199.9	--	--
G2 Genetics 5H-210A RR/HX	4,6,10	29120	23.6	0	199.6	--	--
Producers 7394VT3	11,12	28939	22.5	0	198.7	163.9*	181.3
NuTech 3T-313 VT3	4,6,10	28303	22.8	0	198.5	--	--
Pioneer 33D49 (HX1/LL/RR2	6,8,10	29845	25.2	0	198.2	--	--
G2 Genetics 5X-614 RR/HXT	4,6,10	30221	26.2	0	198.0	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
G2 Genetics 5H-015 RR/HX	4,6,10	29750	25.0	0	197.3	--	--
AgriGold A6456VT3	11	27703	24.4	0	197.3	--	--
NuTech 3T-315 VT3	4,6,10	28977	27.2	0	196.9	164.8*	180.9
Rainbow 3105YGCB	1,10	24825	26.2	0	196.3	145.2	170.8
Mycogen 2H735	7	30513	26.6	0	195.5	--	--
G2 Genetics 5X-711B RR/HX	4,6,10	28017	20.2	0	195.2	--	--
Hubner H5707 VT3	11,12	28435	26.9	0	194.5	--	--
AgriGold A6479VT3	11	25887	24.2	0	194.4	155.2	174.8
G2 Genetics 5X-614A RR/HX	4,6,10	30424	26.2	0	194.3	--	--
Lewis 1009 VT3	10,11	27777	22.6	0	193.9	--	--
AgVenture RL8694HBW	6,8,10	28732	24.7	0	193.6	--	--
Midland 617BRW	11	28846	26.5	0	193.0	--	--
MFA MORCORN MC4307VT3	6	28142	23.8	0	192.8	--	--
Stone 5T128VT3	10,11	28689	17.7	0	192.3	--	--
Fontanelle 8T812	11	28878	26.6	0	190.9	--	--
Lewis 813 VT3	10,11	28196	24.0	0	190.8	158.5	174.7
MFA MORCORN MC4107VT3	6	29656	23.8	0	190.8	176.9*	183.9
Lewis 914 VT3	10,11	30275	26.7	0	190.4	169.0*	179.7
G2 Genetics 5H-915 RR/HX	4,6,10	28315	26.9	0	189.2	--	--
Kruger K-6114VT3	3,6	31653	26.3	0	188.7	152.7	170.7
AgVenture RL7938HBW	6,8,10	27210	24.8	0	188.7	--	--
G2 Genetics 5X-513 RR/HXT	4,6,10	26962	26.6	0	187.2	--	--
Renze 1526VT3	11	27684	25.4	0	186.5	131.3	158.9
DEKALB DKC59-35 (VT3)	11	29175	22.7	0	186.2	--	--
G2 Genetics 1X-716 HXT/LL	4,6,10	28781	26.4	0	186.2	157.0	171.6
Hubner H5582 VT3	11,12	24434	25.0	0	185.8	146.7	166.3
Stone 6T688VT3	10,11	25894	20.8	0	185.2	--	--
Midland 658HL	11	25473	24.6	0	185.0	143.1	164.1
Power Plus 6H22	10,11	28074	23.8	0	184.5	--	--
AgVenture L8950HB	3,6	29615	26.4	0	183.9	--	--
G2 Genetics 5H-615 RR/HX	4,6,10	23465	26.1	0	178.7	--	--
Rainbow X1118VT3	10,11	22571	22.1	0	178.1	--	--
G2 Genetics 5X-915 RR/HXT	4,6,10	28470	28.0	0	175.8	--	--
Renze 5347HX1/LL	11	26425	26.5	0	175.0	--	--
Renze 5X479HXT/LL	11	24477	27.8	0	174.8	--	--
Midland 779BRW	11	28841	28.3	0	173.8	170.9*	172.4
Taylor 1940 VT3	10,11	28692	26.0	0	173.4	--	--
TEST AVERAGE		**28936**	**24.3**	**0**	**208.2**	**149.3**	**178.8**
L.S.D. AT .10		**2194**	**0.0**	**0**	**31.8**	**19.8**	
C.V. %		**5.5**	**8.4**		**11.0**	**9.7**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 6. **Non-Irrigated Corn Test**

North Region: LaGrange, MO (Lewis County)

Soil Type: Westerville Silt Loam Soil Test: pH=5.7, OM=2.4%, P=174, K=552

Rainfall: Apr.=6.6, May=5.1, June=1.9, July=8.8, Aug.=3.3 Total=25.7

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2007	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Rainbow 3147YGCB	1,10	29697	19.0	43	243.8**	--	--
Pioneer 33T57	6,10	29439	18.4	4	238.0*	--	--
DEKALB DKC61-04 (VT3)	11	28320	19.7	8	237.9*	--	--
LG 2549 VT3	3,11	28944	17.4	4	236.9*	--	--
DEKALB DKC62-54 (VT3)	11	30415	18.7	9	236.8*	--	--
Mycogen 2H735	7	29424	18.6	29	235.1*	--	--
AgriGold A6458VT3	11	28375	16.8	5	235.1*	--	--
G2 Genetics 5H-511A RR/HX	4,6,10	27436	19.4	25	233.5*	--	--
Pioneer 34N62	6,10	31021	17.4	27	232.6*	--	--
NuTech 0C-213A YGCB	4,6,10	30303	18.7	41	232.5*	242.6*	237.6
Kruger K-6213VT3	3,6	29346	18.5	7	232.4*	--	--
Producers 7014VT3	11,12	27382	18.1	3	231.2*	--	--
Lewis 914 VT3	10,11	29886	18.7	4	230.5*	--	--
Kruger K-6413VT3	3,6	29725	17.4	12	229.3*	--	--
LG 2620 VT3	3,11	30402	18.5	10	228.5*	--	--
NuTech 0C-213 YGCB	4,6,10	30631	19.4	55	228.2*	241.3*	234.8
G2 Genetics 5X-915 RR/HXT	4,6,10	28400	19.9	14	227.8*	--	--
G2 Genetics 5H-511 RR/HX	4,6,10	26937	19.4	33	226.5*	--	--
Producers 7414VT3	11,12	29905	19.5	9	225.8*	--	--
NuTech 3A-813 RR	11	28974	18.4	5	224.5*	--	--
NuTech 5N-213+ GT/CB/LL/R	11	28093	18.1	22	223.8*	--	--
Rainbow 3142YGCB	1,10	29657	18.6	35	223.3*	229.7	226.5
Kruger K-6114VT3	3,6	31095	20.4	14	223.1*	--	--
AgVenture RL7938HBW	6,8,10	29579	18.4	4	222.5*	--	--
MFA MORCORN XP191VT3	6	29163	18.9	7	221.4	--	--
Fontanelle 8T339	11	30113	17.1	9	220.9	--	--
NuTech 3A-811 RR	11	29782	17.5	46	220.5	--	--
NuTech 3C-413 RR/YGCB	4,6,10	30181	19.5	9	220.3	--	--
Burrus 573T	10,11	30080	18.7	2	220.0	--	--
Pioneer 33D49 (HX1/LL/RR2	6,8,10	29133	20.1	18	219.7	--	--
Garst 84U96-3000GT	6,8,10	29188	19.3	10	219.4	--	--
DEKALB DKC59-35 (VT3)	11	28084	19.4	11	217.9	--	--
Producers 7254VT3	11,12	28946	19.1	58	217.6	--	--
Hubner H5707 VT3	11,12	29601	19.2	19	217.4	--	--
Midland 617BRW	11	27585	18.9	33	216.4	233.3	224.9
Kruger K-6210TS	3,6	29708	19.4	27	216.0	--	--
G2 Genetics 5H-210A RR/HX	4,6,10	30144	17.3	3	216.0	--	--
Power Plus 8G23	10,11	29449	21.0	18	215.2	--	--
Lewis 910 VT3	10,11	29468	18.1	18	213.5	--	--
Garst 85R08-3000GT	6,8,10	29416	18.4	9	211.2	--	--
NuTech 3T-612 VT3	11	27410	19.0	1	211.2	--	--
Kruger K-6013VT3	3,6	30887	19.4	14	210.9	--	--
MFA MORCORN MC4107VT3	6	29474	17.3	29	210.9	--	--
Mycogen 2T699	7	31102	17.8	33	210.8	--	--
G2 Genetics 1H-911 HX/LL	4,6,10	27275	18.2	8	210.8	--	--

TABLE 6. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2007	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Renze 5X479HXT/LL	11	27927	19.0	12	210.8	--	--
Kruger K-6214VT3	3,6	29158	17.9	31	210.8	--	--
G2 Genetics 5H-015 RR/HX	4,6,10	28110	17.0	9	210.3	--	--
Kruger K-6410VT3	3,6	28985	17.5	42	210.2	--	--
Mycogen 2V732	7	29825	19.0	59	210.2	--	--
NuTech 3T-413 VT3	4 6,10	30557	19.3	54	209.7	--	--
Stine M-911C-10	2,5,11,12	30273	17.6	15	209.6	--	--
Stone 6T688VT3	10,11	28779	18.0	3	209.5	--	--
Hubner H5582 VT3	11,12	27461	17.6	23	209.5	--	--
Midland 436BRW	11	28505	18.5	76	209.4	235.5	222.5
Taylor 1940 VT3	10,11	28801	19.1	17	209.2	--	--
G2 Genetics 5H-210 RR/HX	4,6,10	28396	17.7	0	208.9	--	--
Taylor EXP C-012-09 VT3	10,11	29014	17.8	27	208.7	--	--
LG 2642 VT3	3,11	29456	18.5	19	208.2	--	--
MFA MORCORN MC4207VT3	6	28042	18.2	46	208.1	--	--
Pioneer 35K03	6,10	27675	18.4	15	207.3	--	--
AgriGold A6479VT3	11	29648	19.6	31	207.2	--	--
NuTech 3T-013 VT3	11	29516	18.6	28	207.0	--	--
Power Plus 5R66	10,11	30190	17.0	2	206.9	--	--
Hubner H5462 VT3	11,12	28648	17.1	15	206.7	--	--
Power Plus 6H22	10,11	28519	19.5	17	206.0	--	--
G2 Genetics 5X-711 RR/HXT	4,6,10	28951	18.6	7	205.9	--	--
Stone 7T728VT3	10,11	27778	18.5	25	205.9	--	--
Lewis 813 VT3	10,11	29819	18.1	18	205.9	--	--
Renze 5347HX1/LL	11	29485	18.9	0	205.8	233.8	219.8
NuTech 3T-315 VT3	4,6,10	30767	18.9	39	205.7	--	--
Rainbow 3105YGCB	1,10	28432	19.7	15	204.9	230.4	217.7
Mycogen 2E696	7	29907	18.1	4	204.5	--	--
G2 Genetics 5H-915 RR/HX	4,6,10	28781	20.5	44	204.3	--	--
G2 Genetics 5X-513 RR/HXT	4,6,10	29442	19.5	4	203.6	--	--
G2 Genetics 5X-711B RR/HX	4,6,10	28342	17.9	7	203.1	--	--
G2 Genetics 5H-615 RR/HX	4,6,10	23355	18.3	1	202.5	--	--
Producers 7394VT3	11,12	28986	18.8	27	202.5	--	--
Channel 209-77VT3 Brand	6	30225	18.0	21	202.1	--	--
Lewis 1009 VT3	10,11	28239	18.0	9	202.1	--	--
NuTech 3C-115 RR/YGCB	4,6,10	27963	19.3	49	202.0	--	--
Midland 658HL	11	26630	19.5	0	201.6	--	--
Lewis 1013 VT3	10,11	28652	18.8	36	201.4	--	--
Garst 84A53 GT/CB/LL	6,8,10	26452	18.8	8	201.2	--	--
Midland 670BRW	12	29588	19.3	44	200.8	--	--
Renze 1386VT3	11	29425	18.8	54	200.8	--	--
Fontanelle 8T812	11	28583	19.7	33	200.1	--	--
G2 Genetics 5X-614 RR/HXT	4,6,10	29138	19.9	7	200.0	--	--
NuTech 3T-110 VT3	4,6,10	29169	17.9	4	199.4	--	--
G2 Genetics 1H-716 HX/LL	4,6,10	29534	20.9	52	199.1	--	--
AgriGold A6456VT3	11	29526	19.0	3	198.9	--	--
Producers 7624VT3	11,12	28623	18.9	49	198.5	--	--
Merschman M-909C-10	2,5,11,12	29158	17.9	2	198.0	--	--
Midland 779BRW	11	30865	19.8	59	197.8	--	--
Rainbow X1149GT3	6,10	28443	19.5	0	197.8	--	--
MFA MORCORN MC4307VT3	6	28968	19.1	56	197.7	--	--
Channel 208-72VT3 Brand	6	27988	17.8	22	196.3	--	--

TABLE 6. Continued.

Brand-Variety	Seed Treatment +	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2007	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Stone 5T128VT3	10,11	28297	16.9	7	196.3	--	--
Kruger K-6412VT3	3,6	29590	19.1	10	194.3	--	--
AgVenture L8950HB	3,6	30212	21.6	48	193.5	--	--
AgriGold A6533VT3	11	28204	18.6	32	193.3	--	--
Stine 9623VT3	2,5,11,12	27972	18.6	6	193.0	--	--
Kruger K-6116VT3	3,6	29065	19.6	80	192.7	--	--
Dyna-Gro 57V38	3,11	26212	19.0	26	192.2	--	--
G2 Genetics 5X-614A RR/HX	4,6,10	29364	20.5	3	192.0	--	--
MFA MORCORN MC4507VT3	6	28030	18.3	23	191.9	--	--
AgriGold A6632VT3	11	29443	19.2	38	191.6	--	--
DEKALB DKC61-69 (VT3)	11	25698	17.5	37	191.2	--	--
Mycogen 2D771	7	27504	17.7	7	191.2	--	--
G2 Genetics 5H-314 RR/HX	4,6,10	27710	18.0	2	190.8	--	--
Rainbow 3157	1,10	29723	20.5	57	190.4	231.3	210.9
AgriGold A6489VT3	11	28722	18.4	47	189.3	--	--
Dyna-Gro 57V21	3,11	30266	18.6	54	188.8	--	--
Power Plus 7D51	10,11	29737	21.5	55	188.7	--	--
NuTech 3T-713 VT3	4,8,10,11	29560	18.8	63	188.6	--	--
Rainbow X1118VT3	10,11	27546	17.9	2	188.0	--	--
AgVenture RL8694HBW	6,8,10	28402	18.2	10	186.9	--	--
Lewis 1012 VT3	10,11	29306	17.2	37	186.2	--	--
Kruger K-6010VT3	3,6	29293	18.4	43	184.8	--	--
Dyna-Gro 57V40	3,11	28607	17.5	21	183.8	--	--
DEKALB DKC63-42 (VT3)	11	29351	18.8	65	182.7	--	--
DEKALB DKC63-84 (VT3)	11	28710	18.6	61	181.3	--	--
Channel 210-57VT3 Brand	6	29087	18.4	34	181.1	--	--
Channel 213-32VT3 Brand	6	30013	19.1	36	179.8	--	--
Kruger K-6411VT3	3,6	28033	18.3	73	179.8	--	--
Fontanelle 8T416	11	27251	18.0	54	179.3	--	--
Renze 1428VT3	11	29251	20.0	31	179.0	--	--
Mycogen 2G847	7	30283	21.5	21	178.2	--	--
G2 Genetics 1X-716 HXT/LL	4,6,10	29651	21.3	81	178.2	--	--
NuTech 3T-313 VT3	4,6,10	28737	20.6	60	175.4	--	--
Kruger K-6015VT3	3,6	30625	17.7	45	174.3	--	--
Renze 1526VT3	11	27813	20.3	70	168.5	--	--
Renze 1399VT3	11	28042	19.2	72	166.7	--	--
Hubner H5430 VT3	11,12	30058	19.8	76	149.6	--	--
TEST AVERAGE		**28982**	**18.8**	**26**	**205.6**	**227.8**	**216.7**
L.S.D. AT .10		**1864**	**1.1**	**28**	**21.8**	**14.2**	
C.V. %		**4.6**	**4.5**		**7.8**	**4.5**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 7. Performance Summary for Non-Irrigated Hybrids evaluated at Five North Missouri locations (Craig, Albany, Mooresville, Novelty, LaGrange) during 2009.

Craig	Albany	Mooresville
Planted: 05-07	Planted: 05-13	Planted: 05-14
Harvested: 10-07	Harvested: 11-23	Harvested: 11-04
Growing Season Rainfall: 24.5	Growing Season Rainfall: 22.4	Growing Season Rainfall: 29.7

Novelty	LaGrange
Planted: 06-02	Planted: 06-01
Harvested: 11-04	Harvested: 11-27
Growing Season Rainfall: 26.6	Growing Season Rainfall: 25.7

Brand-Hybrid	Yield (Bu/Acre)					
	Craig	Albany	Mooresville	Novelty	LaGrange	Mean
Non-Irrigated						
Producers 7414VT3	273.4**	226.3*	212.6*	242.1*	225.8*	236.0**
AgriGold A6458VT3	232.2	222.5*	214.3**	228.9*	235.1*	226.6*
MFA MORCORN XP191VT3	254.6*	207.1	204.9*	240.7*	221.4	225.7*
Kruger K-6213VT3	261.1*	206.5	187.3	238.6*	232.4*	225.2*
LG 2620 VT3	256.7*	225.1*	193.1	218.6*	228.5*	224.4*
Rainbow 3147YGCB	239.3*	229.0*	201.7*	200.5	243.8**	222.9
Stine M-911C-10	237.1	235.2*	207.6*	221.8*	209.6	222.3
Mycogen 2T699	249.8*	219.3	197.3*	233.7*	210.8	222.2
Producers 7014VT3	271.2*	217.6	183.6	206.6	231.2*	222.0
G2 Genetics 1H-716 HX/LL	253.1*	234.7*	201.8*	220.4*	199.1	221.8
Kruger K-6013VT3	236.3	230.2*	199.3*	232.2*	210.9	221.8
Producers 7394VT3	263.6*	236.8*	207.2*	198.7	202.5	221.8
NuTech 3C-115 RR/YGCB	249.9*	243.4**	196.1*	215.8*	202.0	221.4
AgriGold A6632VT3	264.1*	242.4*	180.3	228.7*	191.6	221.4
G2 Genetics 5H-210A RR/HX	255.6*	226.7*	204.2*	199.6	216.0	220.4
Midland 436BRW	241.0*	239.8*	182.0	227.1*	209.4	219.9
DEKALB DKC63-42 (VT3)	256.7*	231.6*	194.5	227.9*	182.7	218.7
LG 2549 VT3	228.4	216.5	202.4*	208.8	236.9*	218.6
Producers 7624VT3	258.3*	229.9*	174.4	228.0*	198.5	217.8
NuTech 3C-413 RR/YGCB	235.0	218.3	183.7	230.1*	220.3	217.5
G2 Genetics 5H-511A RR/HX	240.5*	195.0	191.1	226.0*	233.5*	217.2
AgriGold A6533VT3	270.9*	201.3	192.3	220.5*	193.3	215.7
NuTech 3A-811 RR	243.0*	219.4	186.6	208.8	220.5	215.7
NuTech 3T-315 VT3	260.7*	235.2*	178.9	196.9	205.7	215.5
Rainbow 3142YGCB	229.3	201.2	201.3*	221.6*	223.3*	215.3
G2 Genetics 5H-210 RR/HX	255.0*	206.4	190.6	215.7*	208.9	215.3
Mycogen 2H735	236.2	227.8*	180.4	195.5	235.1*	215.0
DEKALB DKC62-54 (VT3)	246.0*	197.1	183.1	211.7*	236.8*	214.9
Power Plus 5R66	247.3*	213.3	193.6	212.1*	206.9	214.6
Pioneer 34N62	241.0*	214.2	173.3	210.4	232.6*	214.3
Channel 213-32VT3 Brand	267.4*	222.5*	194.2	207.3	179.8	214.2
Kruger K-6413VT3	244.9*	200.7	184.3	211.5*	229.3*	214.1
NuTech 3T-413 VT3	244.2*	209.9	188.5	217.8*	209.7	214.0
G2 Genetics 5H-015 RR/HX	261.5*	225.4*	174.8	197.3	210.3	213.9
Kruger K-6214VT3	231.5	224.5*	180.5	222.0*	210.8	213.9
LG 2642 VT3	244.3*	222.1*	190.5	202.8	208.2	213.6
Producers 7254VT3	205.9	217.7	190.7	235.0*	217.6	213.4
Channel 209-77VT3 Brand	249.4*	214.8	184.3	214.4*	202.1	213.0
Mycogen 2E696	231.9	215.2	182.1	231.0*	204.5	212.9
Pioneer 33T57	201.1	221.6*	193.2	210.7	238.0*	212.9
G2 Genetics 5H-314 RR/HX	257.7*	217.0	184.1	214.6*	190.8	212.8
Merschman M-909C-10	245.4*	222.7*	167.7	229.0*	198.0	212.6

Table 7. Continued.

Brand-Hybrid	Yield (Bu/Acre) Craig	Albany	Mooresville	Novelty	LaGrange	Mean
			Non-Irrigated			
Lewis 910 VT3	242.6*	187.9	195.2*	222.2*	213.5	212.3
NuTech 0C-213 YGCB	203.6	219.4	193.4	216.6*	228.2*	212.2
NuTech 5N-213+ GT/CB/LL/R	227.3	203.3	185.3	216.7*	223.8*	211.3
Garst 85R08-3000GT	232.4	211.7	175.5	225.3*	211.2	211.2
Dyna-Gro 57V40	224.6	228.8*	184.8	234.0*	183.8	211.2
NuTech 3T-013 VT3	236.5	208.5	190.4	213.3*	207.0	211.1
Power Plus 8G23	233.4	210.4	184.2	211.0*	215.2	210.8
Dyna-Gro 57V21	244.8*	233.1*	182.9	204.2	188.8	210.8
Kruger K-6210TS	200.4	208.2	186.5	242.7**	216.0	210.8
MFA MORCORN MC4207VT3	245.6*	192.4	192.5	215.0*	208.1	210.7
Renze 1386VT3	229.5	228.7*	194.7	199.9	200.8	210.7
Pioneer 33D49 (HX1/LL/RR2	244.4*	210.3	180.4	198.2	219.7	210.6
Fontanelle 8T339	226.2	195.4	192.3	217.7*	220.9	210.5
Hubner H5462 VT3	241.7*	205.5	179.1	218.8*	206.7	210.4
Rainbow X1149GT3	251.6*	221.6*	179.4	201.2	197.8	210.3
Fontanelle 8T812	224.6	226.9*	207.6*	190.9	200.1	210.0
Lewis 914 VT3	221.5	201.7	203.9*	190.4	230.5*	209.6
Power Plus 7D51	239.7*	215.9	193.9	209.3	188.7	209.5
G2 Genetics 5H-511 RR/HX	215.3	206.9	191.6	207.0	226.5*	209.5
Channel 210-57VT3 Brand	253.6*	204.9	188.7	218.9*	181.1	209.4
Kruger K-6116VT3	237.1	217.0	180.0	216.4*	192.7	208.6
DEKALB DKC59-35 (VT3)	241.5*	212.2	184.4	186.2	217.9	208.4
Stone 7T728VT3	227.7	208.2	196.0*	201.5	205.9	207.8
Kruger K-6010VT3	253.5*	208.3	184.8	207.4	184.8	207.8
Midland 670BRW	228.4	218.6	180.1	210.5	200.8	207.7
NuTech 0C-213A YGCB	181.8	196.0	198.3*	228.8*	232.5*	207.5
Taylor EXP C-012-09 VT3	225.0	206.2	176.2	221.2*	208.7	207.4
Rainbow 3105YGCB	247.0*	195.0	192.4	196.3	204.9	207.1
Kruger K-6410VT3	226.5	202.4	178.7	216.3*	210.2	206.8
MFA MORCORN MC4107VT3	233.9	205.7	192.7	190.8	210.9	206.8
AgriGold A6456VT3	228.2	216.1	191.7	197.3	198.9	206.4
Kruger K-6114VT3	197.5	221.0*	200.0*	188.7	223.1*	206.1
Kruger K-6411VT3	243.5*	221.4*	181.1	203.2	179.8	205.8
Burrus 573T	233.2	170.0	183.6	221.1*	220.0	205.6
Garst 84U96-3000GT	211.5	198.7	180.0	218.3*	219.4	205.6
Pioneer 35K03	224.1	212.8	167.2	216.2*	207.3	205.5
Midland 617BRW	214.5	221.2*	181.9	193.0	216.4	205.4
Mycogen 2G847	243.7*	210.1	183.0	211.5*	178.2	205.3
NuTech 3T-713 VT3	218.7	229.9*	173.3	215.3*	188.6	205.2
Mycogen 2D771	237.7	198.8	167.8	229.1*	191.2	204.9
Lewis 1012 VT3	218.8	200.5	198.4*	220.7*	186.2	204.9
NuTech 3T-110 VT3	221.1	212.7	186.9	203.7	199.4	204.8
DEKALB DKC61-04 (VT3)	190.2	207.5	176.6	211.3*	237.9*	204.7
G2 Genetics 1X-716 HXT/LL	242.1*	217.1	199.8*	186.2	178.2	204.7
MFA MORCORN MC4507VT3	218.5	243.0*	160.1	209.0	191.9	204.5
G2 Genetics 5X-513 RR/HXT	242.6*	208.0	180.5	187.2	203.6	204.4
Renze 1428VT3	212.9	222.7*	189.0	217.8*	179.0	204.3
Kruger K-6015VT3	246.6*	214.2	180.4	204.3	174.3	204.0
G2 Genetics 5X-614 RR/HXT	235.0	202.4	184.0	198.0	200.0	203.9
Kruger K-6412VT3	205.7	211.0	190.3	216.5*	194.3	203.6
Mycogen 2V732	214.9	209.1	181.9	200.4	210.2	203.3
DEKALB DKC61-69 (VT3)	232.7	196.4	185.9	209.9	191.2	203.2

Table 7. Continued.

Brand-Hybrid	Yield (Bu/Acre) Craig	Albany	Mooresville	Novelty	LaGrange	Mean
			Non-Irrigated			
AgVenture L8950HB	241.7*	222.7*	174.2	183.9	193.5	203.2
Midland 779BRW	248.0*	216.9	179.1	173.8	197.8	203.1
Rainbow 3157	242.0*	180.3	201.1*	201.7	190.4	203.1
NuTech 3T-612 VT3	207.8	202.8	193.0	200.3	211.2	203.0
Dyna-Gro 57V38	238.6*	189.5	175.1	219.4*	192.2	203.0
DEKALB DKC63-84 (VT3)	230.4	188.7	188.4	225.8*	181.3	202.9
AgriGold A6479VT3	212.9	209.8	188.7	194.4	207.2	202.6
Lewis 1013 VT3	229.6	190.3	181.7	207.0	201.4	202.0
NuTech 3A-813 RR	223.5	187.3	158.9	212.9*	224.5*	201.4
Taylor 1940 VT3	224.3	203.8	191.8	173.4	209.2	200.5
AgriGold A6489VT3	228.9	198.7	177.2	207.0	189.3	200.2
Hubner H5582 VT3	225.4	195.9	184.0	185.8	209.5	200.1
G2 Genetics 1H-911 HX/LL	207.5	177.3	183.1	221.5*	210.8	200.0
G2 Genetics 5X-614A RR/HX	230.2	201.0	180.9	194.3	192.0	199.7
Hubner H5707 VT3	202.9	208.9	174.5	194.5	217.4	199.6
G2 Genetics 5X-711 RR/HXT	213.7	192.2	173.2	213.2*	205.9	199.6
Stine 9623VT3	233.7	201.7	137.9	231.4*	193.0	199.5
MFA MORCORN MC4307VT3	241.7*	190.3	174.5	192.8	197.7	199.4
Lewis 1009 VT3	240.0*	200.0	160.5	193.9	202.1	199.3
Fontanelle 8T416	239.4*	199.7	168.0	209.4	179.3	199.2
Lewis 813 VT3	220.5	182.8	194.6	190.8	205.9	198.9
AgVenture RL8694HBW	225.2	211.8	172.6	193.6	186.9	198.0
Stone 6T688VT3	225.0	186.1	183.9	185.2	209.5	197.9
G2 Genetics 5X-711B RR/HX	220.3	199.3	170.5	195.2	203.1	197.7
NuTech 3T-313 VT3	225.3	203.4	184.8	198.5	175.4	197.5
G2 Genetics 5H-615 RR/HX	221.2	208.7	174.8	178.7	202.5	197.2
Renze 5X479HXT/LL	217.3	198.1	183.0	174.8	210.8	196.8
Channel 208-72VT3 Brand	222.3	185.2	169.6	207.2	196.3	196.1
AgVenture RL7938HBW	199.8	196.6	172.9	188.7	222.5*	196.1
G2 Genetics 5H-915 RR/HX	211.0	208.9	166.3	189.2	204.3	195.9
Garst 84A53 GT/CB/LL	200.0	189.0	182.5	205.4	201.2	195.6
Power Plus 6H22	227.0	174.2	184.4	184.5	206.0	195.2
Renze 5347HX1/LL	223.0	172.9	193.9	175.0	205.8	194.1
Renze 1399VT3	204.0	201.6	172.8	215.1*	166.7	192.0
Rainbow X1118VT3	224.6	203.2	163.5	178.1	188.0	191.5
Hubner H5430 VT3	189.4	226.0*	179.1	209.8	149.6	190.8
Renze 1526VT3	198.8	207.2	188.4	186.5	168.5	189.9
Midland 658HL	192.7	199.0	166.0	185.0	201.6	188.9
G2 Genetics 5X-915 RR/HXT	209.8	189.1	130.4	175.8	227.8*	186.6
Stone 5T128VT3	207.2	164.7	169.0	192.3	196.3	185.9
TEST AVERAGE	**231.9**	**209.4**	**184.6**	**208.2**	**205.6**	**207.9**
L.S.D. AT .10	**35.6**	**22.9**	**19.4**	**31.8**	**21.8**	**12.0**
C.V. %	**11.1**	**7.9**	**7.4**	**11.0**	**7.8**	**9.0**

** 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.

Abundant to excessive rainfall throughout the growing season in Central Missouri delayed planting at two sites until late June. The Marshall and Annada Tests were never planted because of continued spring and summer rainfall. The farmers at these sites changed cropping plans for those fields so no data is available for this year. Harvest was delayed at the Truxton site until December 1. Yields there were still respectable averaging 165 bushels and the average of all experiments in the central region was 189 bushels per acre.

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 below in Table 8.

Average temperature = 69.4 degrees, 1.7 degrees below normal
Average precipitation = 24.7“, 4.9” above normal
Growing degree days = 3010 days, 159 days below normal

Table 8. Central Region Crop Management Summary

	Planting	Harvest	Fertilizer				Herbicide		
Location	date	date	N	P_20_5	K_20	Tillage	Pre	Post	Insecticide
Non-Irrigated Corn Tests									
Henrietta	05-06	10-06	240	50	60	Conv.	Dual II Magnum, Aatrex, Callisto, Priincep		Force 3G
Marshall	N/A	NA							
Columbia	06-24	11-13	250	46	62	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Truxton	06-23	12-01	145	0	0	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Annada	N/A	NA							
Irrigated Corn Tests									
Columbia	05-15	11-03	280	46	62	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Laddonia	06-19	11-12	270	60	40	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G

TABLE 9. **Non-Irrigated Corn Test**

Central Region: Henrietta, MO (Ray County)

Soil Type: Haynie Silt Loam Soil Test: pH=5.2, OM=1.9%, P=90, K=772

Rainfall: May=5.3, June=6.8, July=5.8, Aug.=6.8,Sept.=1.5 Total=26.2

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Producers 7394VT3	11,12	30042	14.1	27	255.7**	198.2	227.0
G2 Genetics 5H-511 RR/HX	4,6,10	28723	14.7	12	251.8*	--	--
Pioneer 35K03	6,10	30180	14.1	7	244.7*	--	--
G2 Genetics 1H-716 HX/LL	4,6,10	30231	16.9	13	243.6*	202.2	222.9
G2 Genetics 5H-210 RR/HX	4,6,10	30718	12.7	3	241.9*	--	--
DEKALB DKC63-42 (VT3)	11	29918	12.9	11	241.6*	205.0*	223.3
Producers 7014VT3	11,12	29138	12.5	38	241.6*	--	--
NuTech 3T-713 VT3	4,8,10,11	30904	14.0	25	239.5*	--	--
LG 2549 VT3	3,11	29354	12.8	25	238.1	--	--
AgVenture L8950HB	3,6	29510	16.8	11	237.4	--	--
Kruger K-6116VT3	3,6	31335	14.0	12	237.3	--	--
Kruger K-6013VT3	3,6	31131	14.0	19	237.2	187.0	212.1
Stone 8T597VT3	10,11	29993	14.1	17	236.7	--	--
Rainbow 3142YGCB	1,10	30217	13.6	1	236.5	--	--
Producers 7414VT3	11,12	30050	13.5	35	236.5	193.6	215.1
Mycogen 2E696	7	31244	13.0	36	236.4	--	--
DEKALB DKC65-63 (VT3)	11	29845	14.1	7	235.4	--	--
Garst 83S05 CB/LL	6,8,10	30413	13.5	5	235.3	--	--
Power Plus 7D51	10,11	30290	16.5	6	235.3	--	--
Lewis 914 VT3	10,11	30120	13.6	15	235.0	--	--
AgriGold A6458VT3	11	29354	12.5	29	234.6	--	--
Kruger K-6213VT3	3,6	30023	13.2	9	234.6	--	--
G2 Genetics 5H-015 RR/HX	4,6,10	30091	13.1	2	233.8	--	--
LG 2620 VT3	3,11	30054	14.3	15	233.6	194.6	214.1
Kruger K-6210TS	3,6	31004	13.9	11	233.5	206.3*	219.9
Garst 83P07 GT/CB/LL	6,8,10	29483	16.0	1	233.4	--	--
Channel 215-11VT3 Brand	6	30523	13.2	28	233.4	--	--
Rainbow 3158YGCB	1,10	30215	15.0	13	233.2	174.1	203.7
NuTech 0C-213 YGCB	4,6,10	31010	14.2	2	232.9	185.8	209.4
Producers 7254VT3	11,12	29903	13.6	10	232.7	--	--
Power Plus 8G23	10,11	30054	16.3	27	231.3	219.3**	225.3
Pioneer 33T57	6,10	30961	14.6	3	230.8	201.3	216.1
Pioneer 34N62	6,10	30163	12.5	11	230.7	--	--
Producers 7624VT3	11,12	29900	13.6	44	230.5	206.0*	218.3
Lewis 910 VT3	10,11	30531	12.2	10	230.2	--	--
Taylor 1940 VT3	10,11	30824	13.0	10	229.9	--	--
Lewis 1012 VT3	10,11	29595	12.5	25	229.8	--	--
Mycogen 2H735	7	30696	12.6	3	229.6	--	--
Garst 84A53 GT/CB/LL	6,8,10	28750	14.3	1	228.9	--	--
LG 2642 VT3	3,11	31576	14.4	38	228.9	199.8	214.4
MFA MORCORN XP191VT3	6	30181	14.3	10	228.8	--	--
Kruger K-6114VT3	3,6	31138	14.8	9	228.6	188.3	208.5
AgriGold A6479VT3	11	30133	14.0	5	228.5	212.3*	220.4
Garst 84U96-3000GT	6,8,10	30975	14.8	4	228.1	--	--
Garst 85R08-3000GT	6,8,10	30067	12.7	1	227.0	--	--

TABLE 9. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Stine M-911C-10	2,5,11,12	31692	14.0	27	226.9	--	--
Midland 436BRW	11	29985	13.1	45	226.8	178.7	202.8
DEKALB DKC61-69 (VT3)	11	30868	12.7	9	226.7	204.9	215.8
DEKALB DKC61-04 (VT3)	11	27731	14.4	8	226.4	--	--
Garst 83T94 GT/CB/LL	6,8,10	27929	13.7	34	226.4	--	--
G2 Genetics 5X-711B RR/HX	4,6,10	29621	13.7	2	226.1	--	--
Lewis 1013 VT3	10,11	30586	12.9	1	225.9	--	--
Midland 779BRW	11	29207	14.2	19	225.9	182.3	204.1
Fontanelle 8T468	11	29825	14.3	3	225.7	--	--
Lewis 813 VT3	10,11	29670	12.3	23	225.5	193.2	209.4
Fontanelle 8T812	11	30555	14.3	18	225.2	--	--
Rainbow X1149GT3	6,10	30649	14.3	9	224.3	--	--
Midland 617BRW	11	29453	13.9	0	224.3	--	--
Stine 9806VT3	2,5,11,12	29610	13.9	20	224.1	--	--
G2 Genetics 5X-614 RR/HXT	4,6,10	30171	16.1	7	224.0	--	--
Mycogen 2D771	7	29653	14.2	4	223.7	--	--
G2 Genetics 5X-513 RR/HXT	4,6,10	29171	13.4	0	223.3	--	--
Hubner H5707 VT3	11,12	29709	13.2	5	223.0	--	--
Hubner H5582 VT3	11,12	30012	12.7	10	222.9	183.9	203.4
Pioneer 33D49 (HX1/LL/RR2	6,8,10	29563	13.6	12	222.5	--	--
NuTech 3T-413 VT3	4 6,10	29823	12.5	20	221.9	--	--
Stone 8T468VT3	10,11	29637	13.7	9	221.4	--	--
NuTech 3T-315 VT3	4,6,10	30228	14.1	11	221.1	--	--
MFA MORCORN MC4507VT3	6	30012	14.1	6	220.9	188.2	204.6
AgriGold A6489VT3	11	30396	13.3	36	220.6	190.5	205.6
MFA MORCORN MC4307VT3	6	29275	13.5	12	220.2	--	--
Mycogen 2V732	7	29881	12.6	15	220.1	--	--
AgriGold A6533VT3	11	29537	13.8	30	220.0	200.7	210.4
MFA MORCORN MC4207VT3	6	29892	12.6	27	219.9	201.7	210.8
NuTech 3T-013 VT3	11	30449	13.1	10	218.9	--	--
NuTech 3C-115 RR/YGCB	4,6,10	29672	14.6	18	218.6	--	--
Kruger K-6410VT3	3,6	30690	12.2	17	218.6	--	--
Kruger K-6413VT3	3,6	30204	12.6	31	217.3	197.3	207.3
Dyna-Gro 57V21	3,11	30253	15.1	13	216.9	--	--
Stine M-913C-10	2,5,11,12	30486	14.2	4	216.8	191.8	204.3
DEKALB DKC62-54 (VT3)	11	29628	12.8	19	216.6	--	--
Kruger K-6010VT3	3,6	29802	13.4	18	216.0	--	--
DEKALB DKC63-84 (VT3)	11	29379	12.6	51	215.9	--	--
Mycogen 2T699	7	30612	12.5	44	215.9	--	--
Fontanelle 8T339	11	29821	12.5	20	215.8	180.4	198.1
MFA MORCORN MC4107VT3	6	29623	12.8	12	215.8	192.0	203.9
Garst 82H82-3000GT	6,8,10	28570	16.7	2	215.4	--	--
Hubner H5828 VT3	11,12	30537	12.4	8	215.3	--	--
G2 Genetics 5H-915 RR/HX	4,6,10	29711	14.5	20	215.2	--	--
Stone 8T212VT3	10,11	30672	13.6	36	215.2	--	--
Rainbow 3157	1,10	29583	16.1	17	215.1	199.1	207.1
Burrus 573T	10,11	30437	13.6	4	213.8	190.9	202.4
AgriGold A6632VT3	11	29095	14.8	41	212.3	188.2	200.3
NuTech 3C-413 RR/YGCB	4,6,10	30585	12.5	19	212.2	--	--
AgriGold A6456VT3	11	29980	13.1	30	211.6	--	--
Dyna-Gro 57V38	3,11	27642	12.9	20	210.9	--	--
G2 Genetics 1X-716 HXT/LL	4,6,10	29865	16.5	30	210.3	--	--

TABLE 9. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Mycogen 2G847	7	31005	14.3	8	208.5	--	--
Hubner H5462 VT3	11,12	30191	11.8	7	207.8	--	--
Midland 670BRW	12	29662	13.8	24	207.8	--	--
Kruger K-6214VT3	3,6	29085	12.2	33	207.5	--	--
Channel 214-25VT3 Brand	6	30465	14.3	6	207.4	--	--
Taylor 2260 HX	10,11	29801	14.6	24	206.5	--	--
Kruger K-6412VT3	3,6	31222	13.8	19	205.8	185.0	195.4
Kruger K-6015VT3	3,6	28781	12.9	9	205.1	186.8	196.0
Dyna-Gro 57V40	3,11	28400	13.4	15	202.6	--	--
Rainbow X1118VT3	10,11	27425	12.9	6	202.6	--	--
Midland 658HL	11	28012	13.9	20	197.5	184.6	191.1
Kruger K-6411VT3	3,6	29166	12.0	55	192.6	199.7	196.2
TEST AVERAGE		**29958**	**13.7**	**16**	**224.4**	**189.6**	**207.0**
L.S.D. AT .10		**NS**	**0.7**	**18**	**16.7**	**14.3**	
C.V. %		**4.2**	**3.5**		**5.3**	**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=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 10. **Non-Irrigated Corn Test**

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.3, OM=1.9%, P=84, K=408

Rainfall: May=5.1, June=5.6, July=5.0, Aug.=4.0,Sept.=2.9 Total=22.6

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Producers 7254VT3	11,12	28428	23.7	0	186.9**	--	--
Garst 84U96-3000GT	6,8,10	27766	19.0	0	186.3*	--	--
Stone 8T597VT3	10,11	28351	22.5	0	186.3*	--	--
Producers 7014VT3	11,12	28463	20.5	0	185.8*	--	--
LG 2549 VT3	3,11	28003	21.7	0	185.7*	--	--
MFA MORCORN XP191VT3	6	28861	24.2	0	183.4*	--	--
Pioneer 33T57	6,10	28360	25.2	0	182.9*	159.4*	171.2
Kruger K-6210TS	3,6	28697	22.0	0	182.5*	177.2*	179.9
Kruger K-6013VT3	3,6	27221	24.1	0	182.5*	159.1*	170.8
DEKALB DKC61-04 (VT3)	11	28097	24.9	0	182.4*	--	--
Kruger K-6213VT3	3,6	29590	21.7	0	182.0*	--	--
Lewis 914 VT3	10,11	29505	23.1	0	180.9*	--	--
Fontanelle 8T468	11	29105	26.3	0	180.5*	--	--
G2 Genetics 5H-511 RR/HX	4,6,10	26757	18.6	0	180.4*	--	--
Stine M-913C-10	2,5,11,12	29703	23.4	0	179.0*	153.7	166.4
Garst 83P07 GT/CB/LL	6,8,10	26694	26.3	0	177.9*	--	--
Power Plus 8G23	10,11	28372	26.2	0	176.9*	164.6*	170.8
Kruger K-6114VT3	3,6	27063	24.4	0	176.8*	166.4*	171.6
Stine 9806VT3	2,5,11,12	28365	22.9	0	176.6*	--	--
Rainbow 3142YGCB	1,10	26161	21.1	0	176.6*	--	--
Garst 85R08-3000GT	6,8,10	27164	18.7	0	176.1*	--	--
G2 Genetics 5H-210 RR/HX	4,6,10	28379	19.2	0	176.1*	--	--
Garst 84A53 GT/CB/LL	6,8,10	28225	26.6	0	175.9*	--	--
Kruger K-6413VT3	3,6	28793	19.2	0	175.8*	167.5*	171.7
AgriGold A6458VT3	11	28476	24.1	0	175.0*	--	--
DEKALB DKC63-42 (VT3)	11	28961	23.3	0	174.9*	174.5*	174.7
Channel 215-11VT3 Brand	6	28660	26.2	0	174.8	--	--
Power Plus 7D51	10,11	29225	27.0	0	174.7	--	--
G2 Genetics 5X-711B RR/HX	4,6,10	26884	23.0	0	174.2	--	--
AgriGold A6533VT3	11	30003	23.2	0	174.0	165.3*	169.7
Stone 8T212VT3	10,11	28619	24.0	0	173.8	--	--
Midland 617BRW	11	27200	21.6	0	173.8	--	--
Producers 7414VT3	11,12	28470	26.0	0	173.5	159.9*	166.7
NuTech 3C-115 RR/YGCB	4,6,10	26443	27.2	0	173.4	--	--
NuTech 0C-213 YGCB	4,6,10	28019	25.9	0	172.3	154.5	163.4
MFA MORCORN MC4207VT3	6	28270	20.2	0	172.0	164.9*	168.5
MFA MORCORN MC4107VT3	6	29219	19.5	0	171.9	161.6*	166.8
NuTech 3T-713 VT3	4,8,10,11	28269	26.3	0	171.7	--	--
Dyna-Gro 57V40	3,11	27450	22.0	0	171.4	--	--
AgriGold A6479VT3	11	27799	24.8	0	171.1	154.7	162.9
AgVenture L8950HB	3,6	28832	27.6	0	170.1	--	--
Kruger K-6410VT3	3,6	28440	18.3	0	170.0	--	--
Stine M-911C-10	2,5,11,12	28920	20.7	0	169.7	--	--
Fontanelle 8T339	11	28358	20.5	0	168.9	157.4	163.2
Mycogen 2T699	7	27507	20.1	0	168.8	--	--

TABLE 10. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Midland 779BRW	11	28992	25.4	0	168.7	175.7*	172.2
LG 2620 VT3	3,11	28944	23.7	0	168.1	171.5*	169.8
Taylor 2260 HX	10,11	28552	26.0	0	167.6	--	--
Producers 7624VT3	11,12	29117	25.8	0	167.6	141.7	154.7
Stone 8T468VT3	10,11	29293	25.7	0	167.5	--	--
Fontanelle 8T812	11	28588	25.9	0	167.3	--	--
Burrus 573T	10,11	27840	26.0	0	167.1	177.9**	172.5
Rainbow X1149GT3	6,10	26270	21.8	0	166.9	--	--
Pioneer 34N62	6,10	28878	16.5	0	166.9	--	--
Kruger K-6010VT3	3,6	27362	23.3	0	166.8	--	--
Midland 658HL	11	26839	20.8	0	166.6	157.9	162.3
Mycogen 2H735	7	28011	24.4	0	166.3	--	--
DEKALB DKC62-54 (VT3)	11	28204	24.3	0	165.3	--	--
NuTech 3T-315 VT3	4,6,10	28198	26.2	0	165.2	--	--
G2 Genetics 1X-716 HXT/LL	4,6,10	28194	27.6	0	164.9	--	--
Taylor 1940 VT3	10,11	27236	23.4	0	164.7	--	--
Mycogen 2V732	7	27576	21.8	0	164.4	--	--
Mycogen 2D771	7	27451	20.4	0	164.4	--	--
G2 Genetics 1H-716 HX/LL	4,6,10	24044	28.1	0	164.1	157.3	160.7
Lewis 813 VT3	10,11	28432	20.8	0	164.1	173.1*	168.6
G2 Genetics 5H-915 RR/HX	4,6,10	28232	27.9	0	163.9	--	--
MFA MORCORN MC4507VT3	6	27104	23.7	0	163.6	161.3*	162.5
Dyna-Gro 57V38	3,11	27221	25.5	0	163.2	--	--
Dyna-Gro 57V21	3,11	28941	26.3	0	163.1	--	--
Kruger K-6116VT3	3,6	25572	25.9	0	162.8	--	--
Pioneer 35K03	6,10	29799	19.6	0	162.8	--	--
Garst 83S05 CB/LL	6,8,10	26801	20.3	0	162.4	--	--
Mycogen 2G847	7	27397	24.5	0	162.2	--	--
Midland 670BRW	12	26983	24.8	0	162.0	--	--
LG 2642 VT3	3,11	27990	24.7	0	161.8	164.9*	163.4
Lewis 910 VT3	10,11	28227	22.4	0	161.7	--	--
Lewis 1012 VT3	10,11	27897	20.6	0	161.7	--	--
DEKALB DKC63-84 (VT3)	11	27654	23.1	0	159.6	--	--
Producers 7394VT3	11,12	28046	25.8	0	159.5	167.8*	163.7
Kruger K-6214VT3	3,6	26076	23.9	0	159.1	--	--
Hubner H5582 VT3	11,12	27624	19.8	0	158.8	171.2*	165.0
Rainbow 3158YGCB	1,10	25163	28.1	0	158.6	146.2	152.4
G2 Genetics 5H-015 RR/HX	4,6,10	29012	23.7	0	158.1	--	--
Midland 436BRW	11	26916	24.4	0	157.9	145.4	151.7
Garst 82H82-3000GT	6,8,10	25691	24.5	0	157.5	--	--
NuTech 3C-413 RR/YGCB	4,6,10	24604	24.5	0	157.3	--	--
DEKALB DKC61-69 (VT3)	11	28833	22.1	0	156.6	167.2*	161.9
NuTech 3T-413 VT3	4 6,10	27190	22.3	0	156.4	--	--
Hubner H5707 VT3	11,12	27644	24.4	0	156.2	--	--
G2 Genetics 5X-614 RR/HXT	4,6,10	27185	26.2	0	155.9	--	--
Kruger K-6411VT3	3,6	26805	18.0	0	155.1	155.5	155.3
DEKALB DKC65-63 (VT3)	11	27840	25.4	0	154.3	--	--
Rainbow X1118VT3	10,11	24973	18.4	0	154.0	--	--
Channel 214-25VT3 Brand	6	28081	26.3	0	153.9	--	--
Rainbow 3157	1,10	25579	26.8	0	153.7	140.0	146.9
AgriGold A6632VT3	11	28574	26.6	0	153.4	164.8*	159.1
Kruger K-6412VT3	3,6	24913	27.5	0	153.4	154.2	153.8

TABLE 10. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Mycogen 2E696	7	27082	18.7	0	152.6	--	--
Lewis 1013 VT3	10,11	26611	25.6	0	152.4	--	--
Hubner H5462 VT3	11,12	29662	21.1	0	152.3	--	--
Hubner H5828 VT3	11,12	29648	23.0	0	152.0	--	--
NuTech 3T-013 VT3	11	28052	25.8	0	151.6	--	--
Pioneer 33D49 (HX1/LL/RR2	6,8,10	28429	25.9	0	150.1	--	--
MFA MORCORN MC4307VT3	6	29984	25.4	0	149.3	--	--
AgriGold A6456VT3	11	27980	24.8	0	149.2	--	--
G2 Genetics 5X-513 RR/HXT	4,6,10	28753	27.7	0	147.8	--	--
Garst 83T94 GT/CB/LL	6,8,10	28648	24.8	0	143.6	--	--
AgriGold A6489VT3	11	27638	21.5	0	141.0	162.2*	151.6
Kruger K-6015VT3	3,6	27518	25.3	0	132.0	150.3	141.2
TEST AVERAGE		**27878**	**23.6**	**0**	**166.4**	**159.5**	**163.0**
L.S.D. AT .10		**2053**	**2.9**	**0**	**12.0**	**19.1**	
C.V. %		**5.2**	**9.2**		**5.2**	**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=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 11. **Non-Irrigated Corn Test**

Central Region: Truxton, MO (Montgomery County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.6, OM=2.4%, P=76, K=388

Rainfall: May=5.8, June=8.2, July=5.7, Aug.=3.8,Sept.=3.8 Total=27.3

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Rainbow 3158YGCB	1,10	28119	19.7	0	190.9**	184.9	187.9
Pioneer 34N62	6,10	28029	15.8	0	189.7*	--	--
Mycogen 2V732	7	29187	18.3	0	189.4*	--	--
LG 2642 VT3	3,11	29167	20.2	0	188.2*	204.2	196.2
Kruger K-6210TS	3,6	28417	19.3	0	186.0*	197.5	191.8
LG 2549 VT3	3,11	27469	17.0	0	186.0*	--	--
Kruger K-6116VT3	3,6	27148	20.2	0	185.9*	--	--
Rainbow 3142YGCB	1,10	26031	17.5	0	183.0*	--	--
Lewis 910 VT3	10,11	27957	18.0	0	181.8*	--	--
NuTech 3C-115 RR/YGCB	4,6,10	28693	18.8	0	179.9*	--	--
Garst 85R08-3000GT	6,8,10	27654	17.8	0	179.8*	--	--
Garst 83S05 CB/LL	6,8,10	28424	19.0	0	178.3*	--	--
MFA MORCORN MC4507VT3	6	26797	19.0	0	178.1*	200.2	189.2
NuTech 3C-413 RR/YGCB	4,6,10	29461	19.2	0	177.5*	--	--
AgriGold A6479VT3	11	28661	19.4	0	177.1*	196.3	186.7
MFA MORCORN MC4107VT3	6	28553	17.4	0	176.9*	197.0	187.0
MFA MORCORN XP191VT3	6	27971	17.2	0	176.8*	--	--
Stine 9806VT3	2,5,11,12	27339	20.4	0	176.6*	--	--
NuTech 3T-713 VT3	4,8,10,11	27778	19.0	0	176.2*	--	--
Dyna-Gro 57V21	3,11	27588	19.5	0	176.2*	--	--
Garst 84A53 GT/CB/LL	6,8,10	25973	20.5	0	175.9*	--	--
Mycogen 2D771	7	27214	18.4	0	175.7*	--	--
Burrus 573T	10,11	28910	20.0	0	175.2*	183.9	179.6
Pioneer 33T57	6,10	28548	19.2	0	175.1*	195.3	185.2
Mycogen 2E696	7	29099	17.8	0	174.6*	--	--
Mycogen 2T699	7	29772	17.5	0	174.5*	--	--
G2 Genetics 5H-511 RR/HX	4,6,10	27883	16.8	0	174.0*	--	--
G2 Genetics 1H-716 HX/LL	4,6,10	28388	21.4	0	174.0*	195.0	184.5
Channel 215-11VT3 Brand	6	26944	19.8	0	173.7*	--	--
NuTech 3T-315 VT3	4,6,10	28110	19.3	0	173.6*	--	--
Kruger K-6412VT3	3,6	27279	19.5	0	173.0*	209.5	191.3
Kruger K-6410VT3	3,6	27541	18.6	0	172.8*	--	--
Fontanelle 8T468	11	28230	20.6	0	172.5*	--	--
AgriGold A6456VT3	11	28309	19.9	0	172.2*	--	--
Stine M-911C-10	2,5,11,12	28607	17.3	0	172.1*	--	--
DEKALB DKC61-69 (VT3)	11	28996	15.4	0	172.0*	211.3**	191.7
DEKALB DKC63-42 (VT3)	11	28471	19.4	0	172.0*	197.8	184.9
Kruger K-6213VT3	3,6	28459	19.6	0	170.6*	--	--
DEKALB DKC63-84 (VT3)	11	29385	18.4	0	170.4*	--	--
Dyna-Gro 57V40	3,11	26384	18.2	0	169.9*	--	--
Kruger K-6413VT3	3,6	28607	17.3	0	169.0*	182.3	175.7
NuTech 0C-213 YGCB	4,6,10	29245	19.5	0	168.6*	196.8	182.7
DEKALB DKC61-04 (VT3)	11	27144	19.2	0	168.6*	--	--
Channel 214-25VT3 Brand	6	28858	22.2	0	168.5*	--	--
Stone 8T468VT3	10,11	27781	20.7	0	168.5*	--	--

TABLE 11. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
AgriGold A6458VT3	11	28123	17.1	0	168.0*	--	--
Dyna-Gro 57V38	3,11	26505	20.5	0	168.0*	--	--
Stone 8T212VT3	10,11	29068	20.0	0	167.6*	--	--
NuTech 3T-413 VT3	4 6,10	26930	19.3	0	167.2*	--	--
MFA MORCORN MC4207VT3	6	29342	18.5	0	167.2*	205.0	186.1
Kruger K-6010VT3	3,6	28197	17.2	0	167.0*	--	--
G2 Genetics 1X-716 HXT/LL	4,6,10	27894	20.5	0	167.0*	--	--
MFA MORCORN MC4307VT3	6	26830	19.5	0	166.7	--	--
Taylor 2260 HX	10,11	28595	19.1	0	166.4	--	--
Midland 779BRW	11	28036	19.2	0	166.3	201.6	184.0
G2 Genetics 5X-711B RR/HX	4,6,10	27168	18.6	0	165.5	--	--
DEKALB DKC65-63 (VT3)	11	28281	19.1	0	165.4	--	--
G2 Genetics 5H-210 RR/HX	4,6,10	28581	16.6	0	165.0	--	--
Garst 83P07 GT/CB/LL	6,8,10	26203	21.1	0	165.0	--	--
AgriGold A6533VT3	11	29012	17.8	0	164.7	186.9	175.8
Producers 7624VT3	11,12	27400	20.5	0	163.9	173.3	168.6
Producers 7014VT3	11,12	26314	17.3	0	163.8	--	--
Hubner H5582 VT3	11,12	28311	18.5	0	163.4	184.3	173.9
LG 2620 VT3	3,11	28376	18.7	0	163.3	190.5	176.9
Power Plus 7D51	10,11	29102	24.4	0	163.3	--	--
AgVenture L8950HB	3,6	28619	21.1	0	163.1	--	--
G2 Genetics 5H-015 RR/HX	4,6,10	27398	17.4	0	162.3	--	--
Midland 436BRW	11	27633	16.4	0	162.2	188.2	175.2
Lewis 1012 VT3	10,11	28254	18.3	0	162.1	--	--
Kruger K-6015VT3	3,6	28528	18.2	0	161.7	183.5	172.6
Power Plus 8G23	10,11	27747	21.2	0	161.6	185.4	173.5
Pioneer 33D49 (HX1/LL/RR2	6,8,10	27403	19.7	0	161.1	--	--
Pioneer 35K03	6,10	28639	17.9	0	159.7	--	--
Producers 7254VT3	11,12	26582	19.5	0	159.0	--	--
Rainbow 3157	1,10	28515	21.1	0	159.0	205.6	182.3
NuTech 3T-013 VT3	11	27929	19.0	0	158.9	--	--
Stine M-913C-10	2,5,11,12	28923	19.6	0	158.9	202.8	180.9
Hubner H5828 VT3	11,12	29498	20.7	0	158.9	--	--
Garst 84U96-3000GT	6,8,10	29541	18.6	0	158.6	--	--
Rainbow X1118VT3	10,11	25799	17.0	0	158.4	--	--
Kruger K-6013VT3	3,6	27816	20.3	0	157.5	205.3	181.4
Fontanelle 8T339	11	28982	15.8	0	157.5	191.5	174.5
Rainbow X1149GT3	6,10	27269	18.5	0	157.4	--	--
AgriGold A6632VT3	11	26812	20.5	0	157.3	205.3	181.3
Hubner H5462 VT3	11,12	26848	17.2	0	156.5	--	--
Kruger K-6411VT3	3,6	28019	17.5	0	155.8	185.5	170.7
Lewis 914 VT3	10,11	27850	18.6	0	154.9	--	--
DEKALB DKC62-54 (VT3)	11	28665	18.7	0	154.9	--	--
Mycogen 2H735	7	27381	19.5	0	154.4	--	--
Midland 617BRW	11	26061	19.7	0	152.8	--	--
G2 Genetics 5X-614 RR/HXT	4,6,10	29624	19.7	0	152.8	--	--
Stone 8T597VT3	10,11	27649	18.5	0	152.5	--	--
Kruger K-6214VT3	3,6	27828	18.7	0	151.6	--	--
Lewis 1013 VT3	10,11	28134	19.4	0	151.3	--	--
Midland 670BRW	12	27106	19.9	0	150.4	--	--
Fontanelle 8T812	11	26751	20.1	0	149.6	--	--
Midland 658HL	11	26863	16.8	0	149.3	198.2	173.8

TABLE 11. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Garst 82H82-3000GT	6,8,10	27375	19.4	0	149.1	--	--
G2 Genetics 5H-915 RR/HX	4,6,10	29405	22.0	0	148.8	--	--
Hubner H5707 VT3	11,12	26426	20.6	0	148.1	--	--
AgriGold A6489VT3	11	27264	19.7	0	147.3	195.6	171.5
Taylor 1940 VT3	10,11	25950	20.0	0	146.3	--	--
Garst 83T94 GT/CB/LL	6,8,10	28346	18.6	0	146.3	--	--
Producers 7414VT3	11,12	27237	20.4	0	145.7	201.3	173.5
Mycogen 2G847	7	28706	26.1	0	145.2	--	--
Lewis 813 VT3	10,11	27478	18.0	0	144.8	194.6	169.7
Kruger K-6114VT3	3,6	28491	20.2	0	143.7	188.2	166.0
G2 Genetics 5X-513 RR/HXT	4,6,10	28589	20.2	0	139.6	--	--
Producers 7394VT3	11,12	28064	19.5	0	138.4	197.1	167.8
TEST AVERAGE		**27953**	**19.1**	**0**	**165.3**	**192.0**	**178.7**
L.S.D. AT .10		**1613**	**2.0**	**0**	**24.0**	**NS**	
C.V. %		**4.0**	**7.6**		**10.2**	**8.3**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 12. Performance Summary for Non-Irrigated Hybrids evaluated at Three Central Missouri locations (Henrietta, Columbia, Truxton) during 2009.

Henrietta	Columbia	Truxton
Planted: 05-06	Planted: 06-24	Planted: 06-23
Harvested: 10-06	Harvested: 11-13	Harvested: 12-01
Growing Season Rainfall: 26.2	Growing Season Rainfall: 22.6	Growing Season Rainfall: 27.3

Brand-Hybrid	Yield (Bu/Acre) Henrietta	Columbia	Truxton	Mean
		Non-Irrigated		
LG 2549 VT3	238.1	185.7*	186.0*	203.3**
G2 Genetics 5H-511 RR/HX	251.8*	180.4*	174.0*	202.1*
Kruger K-6210TS	233.5	182.5*	186.0*	200.7*
Rainbow 3142YGCB	236.5	176.6*	183.0*	198.7*
Producers 7014VT3	241.6*	185.8*	163.8	197.1*
MFA MORCORN XP191VT3	228.8	183.4*	176.8*	196.3*
Pioneer 33T57	230.8	182.9*	175.1*	196.3*
DEKALB DKC63-42 (VT3)	241.6*	174.9*	172.0*	196.2*
NuTech 3T-713 VT3	239.5*	171.7	176.2*	195.8*
Pioneer 34N62	230.7	166.9	189.7*	195.8*
Kruger K-6213VT3	234.6	182.0*	170.6*	195.7*
Kruger K-6116VT3	237.3	162.8	185.9*	195.3*
G2 Genetics 5H-210 RR/HX	241.9*	176.1*	165.0	194.3*
Garst 85R08-3000GT	227.0	176.1*	179.8*	194.3*
Rainbow 3158YGCB	233.2	158.6	190.9**	194.2*
Channel 215-11VT3 Brand	233.4	174.8	173.7*	194.0*
G2 Genetics 1H-716 HX/LL	243.6*	164.1	174.0*	193.9*
Garst 84A53 GT/CB/LL	228.9	175.9*	175.9*	193.6*
LG 2642 VT3	228.9	161.8	188.2*	193.0*
Fontanelle 8T468	225.7	180.5*	172.5*	192.9*
Producers 7254VT3	232.7	186.9**	159.0	192.9*
AgriGold A6458VT3	234.6	175.0*	168.0*	192.5
DEKALB DKC61-04 (VT3)	226.4	182.4*	168.6*	192.5
Stine 9806VT3	224.1	176.6*	176.6*	192.4
Kruger K-6013VT3	237.2	182.5*	157.5	192.4
AgriGold A6479VT3	228.5	171.1	177.1*	192.2
Garst 83P07 GT/CB/LL	233.4	177.9*	165.0	192.1
Garst 83S05 CB/LL	235.3	162.4	178.3*	192.0
Stone 8T597VT3	236.7	186.3*	152.5	191.8
Mycogen 2V732	220.1	164.4	189.4*	191.3
NuTech 0C-213 YGCB	232.9	172.3	168.6*	191.3
Lewis 910 VT3	230.2	161.7	181.8*	191.2
Power Plus 7D51	235.3	174.7	163.3	191.1
Garst 84U96-3000GT	228.1	186.3*	158.6	191.0
NuTech 3C-115 RR/YGCB	218.6	173.4	179.9*	190.6
Lewis 914 VT3	235.0	180.9*	154.9	190.3
AgVenture L8950HB	237.4	170.1	163.1	190.2
Power Plus 8G23	231.3	176.9*	161.6	189.9
Stine M-911C-10	226.9	169.7	172.1*	189.6
Pioneer 35K03	244.7*	162.8	159.7	189.1
G2 Genetics 5X-711B RR/HX	226.1	174.2	165.5	188.6
LG 2620 VT3	233.6	168.1	163.3	188.3
MFA MORCORN MC4107VT3	215.8	171.9	176.9*	188.2
Mycogen 2D771	223.7	164.4	175.7*	187.9
Mycogen 2E696	236.4	152.6	174.6*	187.9
MFA MORCORN MC4507VT3	220.9	163.6	178.1*	187.5
Kruger K-6413VT3	217.3	175.8*	169.0*	187.4

Table 12. Continued.

Brand-Hybrid	Yield (Bu/Acre) Henrietta	Columbia	Truxton	Mean
		Non-Irrigated		
Producers 7624VT3	230.5	167.6	163.9	187.3
Kruger K-6410VT3	218.6	170.0	172.8*	187.1
Midland 779BRW	225.9	168.7	166.3	187.0
NuTech 3T-315 VT3	221.1	165.2	173.6*	186.6
Mycogen 2T699	215.9	168.8	174.5*	186.4
MFA MORCORN MC4207VT3	219.9	172.0	167.2*	186.4
AgriGold A6533VT3	220.0	174.0	164.7	186.2
Stone 8T468VT3	221.4	167.5	168.5*	185.8
Stone 8T212VT3	215.2	173.8	167.6*	185.5
Dyna-Gro 57V21	216.9	163.1	176.2*	185.4
Burrus 573T	213.8	167.1	175.2*	185.4
Producers 7414VT3	236.5	173.5	145.7	185.2
DEKALB DKC61-69 (VT3)	226.7	156.6	172.0*	185.1
DEKALB DKC65-63 (VT3)	235.4	154.3	165.4	185.0
Stine M-913C-10	216.8	179.0*	158.9	184.9
G2 Genetics 5H-015 RR/HX	233.8	158.1	162.3	184.7
Lewis 1012 VT3	229.8	161.7	162.1	184.5
Producers 7394VT3	255.7**	159.5	138.4	184.5
Midland 617BRW	224.3	173.8	152.8	183.6
Mycogen 2H735	229.6	166.3	154.4	183.4
Kruger K-6010VT3	216.0	166.8	167.0*	183.3
Kruger K-6114VT3	228.6	176.8*	143.7	183.0
Rainbow X1149GT3	224.3	166.9	157.4	182.9
NuTech 3C-413 RR/YGCB	212.2	157.3	177.5*	182.3
Midland 436BRW	226.8	157.9	162.2	182.3
DEKALB DKC63-84 (VT3)	215.9	159.6	170.4*	182.0
NuTech 3T-413 VT3	221.9	156.4	167.2*	181.8
Hubner H5582 VT3	222.9	158.8	163.4	181.7
Dyna-Gro 57V40	202.6	171.4	169.9*	181.3
Fontanelle 8T339	215.8	168.9	157.5	180.7
G2 Genetics 1X-716 HXT/LL	210.3	164.9	167.0*	180.7
Fontanelle 8T812	225.2	167.3	149.6	180.7
Dyna-Gro 57V38	210.9	163.2	168.0*	180.7
Taylor 1940 VT3	229.9	164.7	146.3	180.3
Taylor 2260 HX	206.5	167.6	166.4	180.2
DEKALB DKC62-54 (VT3)	216.6	165.3	154.9	178.9
MFA MORCORN MC4307VT3	220.2	149.3	166.7	178.7
Lewis 813 VT3	225.5	164.1	144.8	178.1
Pioneer 33D49 (HX1/LL/RR2	222.5	150.1	161.1	177.9
AgriGold A6456VT3	211.6	149.2	172.2*	177.7
G2 Genetics 5X-614 RR/HXT	224.0	155.9	152.8	177.6
Kruger K-6412VT3	205.8	153.4	173.0*	177.4
Channel 214-25VT3 Brand	207.4	153.9	168.5*	176.6
Lewis 1013 VT3	225.9	152.4	151.3	176.5
NuTech 3T-013 VT3	218.9	151.6	158.9	176.5
G2 Genetics 5H-915 RR/HX	215.2	163.9	148.8	176.0
Rainbow 3157	215.1	153.7	159.0	175.9
Hubner H5707 VT3	223.0	156.2	148.1	175.8
Hubner H5828 VT3	215.3	152.0	158.9	175.4
AgriGold A6632VT3	212.3	153.4	157.3	174.3
Garst 82H82-3000GT	215.4	157.5	149.1	174.0
Midland 670BRW	207.8	162.0	150.4	173.4

Table 12. Continued.

Brand-Hybrid	Yield (Bu/Acre) Henrietta	Columbia	Truxton	Mean
		Non-Irrigated		
Kruger K-6214VT3	207.5	159.1	151.6	172.7
Hubner H5462 VT3	207.8	152.3	156.5	172.2
Garst 83T94 GT/CB/LL	226.4	143.6	146.3	172.1
Mycogen 2G847	208.5	162.2	145.2	172.0
Rainbow X1118VT3	202.6	154.0	158.4	171.7
Midland 658HL	197.5	166.6	149.3	171.1
G2 Genetics 5X-513 RR/HXT	223.3	147.8	139.6	170.2
AgriGold A6489VT3	220.6	141.0	147.3	169.6
Kruger K-6411VT3	192.6	155.1	155.8	167.8
Kruger K-6015VT3	205.1	132.0	161.7	166.3
TEST AVERAGE	**224.4**	**166.4**	**165.3**	**185.4**
L.S.D. AT .10	**16.7**	**12.0**	**24.0**	**10.5**
C.V. %	**5.3**	**5.2**	**10.2**	**6.9**

** 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.

TABLE 13. **Irrigated Corn Test**

Central Region: Columbia, MO (Boone County)

Soil Type: Mexico Silt Loam Soil Test: pH=6.0, OM=2.2%, P=54, K=386

Rainfall: May=5.1, June=5.6, July=5.0, Aug.=4.0,Sept.=2.9 Total=22.6
Irrigation: 2.0 in.

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
DEKALB DKC63-42 (VT3)	11	35891	14.7	6	248.2**	157.6	202.9
DEKALB DKC61-04 (VT3)	11	34569	17.3	11	243.2*	--	--
Rainbow 3147YGCB	1,10	34536	15.6	24	242.6*	--	--
Pioneer 33D49 (HX1/LL/RR2	6,8,10	35452	17.3	23	242.1*	--	--
AgriGold A6458VT3	11	36311	14.1	13	241.5*	--	--
Channel 216-63VT3 Brand	6	34576	16.8	19	239.4*	--	--
Kruger K-6213VT3	3,6	34423	15.0	31	236.9*	--	--
AgriGold A6479VT3	11	34787	16.3	24	234.2*	173.5*	203.9
Fontanelle 8T468	11	35659	15.8	45	232.6*	--	--
Garst 82H82-3000GT	6,8,10	32075	16.6	15	231.9*	--	--
Fontanelle 8T812	11	33342	15.8	12	230.7*	--	--
Kruger K-6210TS	3,6	34989	15.5	22	230.0*	173.1*	201.6
AgVenture L8950HB	3,6	35405	17.8	19	228.8*	--	--
Mycogen 2E696	7	36506	15.7	5	226.3*	--	--
Fontanelle 8T339	11	36104	14.5	21	225.8*	--	--
DEKALB DKC65-63 (VT3)	11	35816	16.2	23	224.6*	--	--
Kruger K-6410VT3	3,6	34329	14.1	24	224.2*	--	--
Kruger K-6114VT3	3,6	35867	18.1	28	223.0*	166.2*	194.6
Mycogen 2H735	7	36959	14.5	19	222.9*	--	--
DEKALB DKC62-54 (VT3)	11	34104	15.8	21	220.0*	--	--
AgriGold A6533VT3	11	36032	15.0	12	218.5*	166.8*	192.7
Pioneer 35K03	6,10	36680	15.6	19	217.9	--	--
AgriGold A6456VT3	11	35338	14.1	16	216.3	--	--
Kruger K-6116VT3	3,6	35030	16.4	26	215.5	--	--
Kruger K-6411VT3	3,6	35585	13.8	24	215.3	163.3*	189.3
Rainbow X1149GT3	6,10	34020	16.5	27	215.2	--	--
Kruger K-6412VT3	3,6	34799	15.4	18	215.2	154.9	185.1
Kruger K-6413VT3	3,6	35040	14.8	23	213.2	155.4	184.3
Kruger K-6013VT3	3,6	35475	17.0	48	213.1	174.4**	193.8
Mycogen 2V732	7	35820	14.2	25	210.2	--	--
Kruger K-6214VT3	3,6	33486	14.7	18	208.9	--	--
Garst 83P07 GT/CB/LL	6,8,10	32717	17.0	42	207.6	--	--
Taylor 1940 VT3	10,11	35622	15.1	27	207.1	--	--
DEKALB DKC63-84 (VT3)	11	35021	13.9	38	205.1	--	--
Midland 670BRW	11	35971	15.7	32	204.6	--	--
Mycogen 2D771	7	34745	15.7	20	203.5	--	--
USA 1145 TR	10,11	34552	16.5	50	202.4	--	--
Midland 779BRW	11	34341	15.5	32	200.9	169.0*	185.0
AgriGold A6632VT3	11	34984	15.7	14	200.2	161.5*	180.9
Kruger K-6010VT3	3,6	33733	14.7	31	197.9	--	--
Rainbow 3157	1,10	34789	16.8	29	196.6	161.0*	178.8
Mycogen 2G847	7	32959	17.4	42	193.0	--	--
Channel 209-19VT3 Brand	6	34782	14.6	43	192.9	--	--
Kruger K-6015VT3	3,6	35940	14.5	37	190.6	152.6	171.6
Garst 83T94 GT/CB/LL	6,8,10	34586	16.0	21	189.1	--	--

TABLE 13. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
DEKALB DKC61-69 (VT3)	11	35035	14.5	50	188.9	161.0*	175.0
Mycogen 2T699	7	35258	14.3	39	188.3	--	--
Pioneer 34N62	6,10	36241	15.3	27	186.6	--	--
USA 1149	1,13	32060	17.6	27	184.4	--	--
Taylor 2260 HX	10,11	34024	16.5	36	182.9	--	--
Garst 83X61-3000GT	6,8,10	34440	16.2	32	180.0	--	--
Rainbow 3105YGCB	1,10	32890	16.1	37	175.5	134.5	155.0
AgriGold A6489VT3	11	34413	14.9	38	172.6	158.6	165.6
TEST AVERAGE		**34870**	**15.7**	**27**	**212.4**	**157.3**	**184.9**
L.S.D. AT .10		**1906**	**1.1**	**21**	**30.2**	**14.6**	
C.V. %		**3.9**	**4.9**		**10.3**	**6.6**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

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

Rainfall: May=5.5, June=6.2, July=4.2, Aug.=6.7,Sept.=5.2 Total=27.8
Irrigation: 1.25 in.

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Fontanelle 8T812	11	34355	24.6	0	201.7**	--	--
Channel 216-63VT3 Brand	6	35599	25.8	0	201.4*	--	--
Fontanelle 8T468	11	33608	24.0	0	201.3*	--	--
DEKALB DKC63-42 (VT3)	11	36346	24.4	0	200.6*	186.5	193.6
Mycogen 2H735	7	35599	24.2	0	197.1*	--	--
Kruger K-6013VT3	3,6	34603	25.4	0	194.5*	194.0*	194.3
Kruger K-6210TS	3,6	34604	24.5	0	192.6*	178.4	185.5
AgriGold A6458VT3	11	33981	23.2	0	191.6*	--	--
Kruger K-6114VT3	3,6	35724	24.1	0	188.3*	193.1	190.7
Kruger K-6213VT3	3,6	34230	25.0	0	187.8*	--	--
Kruger K-6214VT3	3,6	34728	24.1	0	186.8*	--	--
DEKALB DKC65-63 (VT3)	11	34230	25.1	0	186.3	--	--
Rainbow 3147YGCB	1,10	34106	23.9	0	186.1	--	--
AgriGold A6456VT3	11	34230	23.9	0	185.8	--	--
USA 1145 TR	10,11	33732	26.0	3	185.3	--	--
Mycogen 2G847	7	33857	26.3	0	185.1	--	--
Rainbow 3157	1,10	35475	25.9	0	185.0	178.6	181.8
AgriGold A6533VT3	11	34603	24.4	0	184.0	188.1	186.1
AgriGold A6479VT3	11	33857	25.0	0	183.7	204.9*	194.3
Kruger K-6411VT3	3,6	35599	21.6	0	183.5	187.2	185.4
DEKALB DKC61-69 (VT3)	11	35599	23.5	0	183.1	199.4*	191.3
Taylor 1940 VT3	10,11	35724	25.1	0	180.5	--	--
DEKALB DKC62-54 (VT3)	11	36471	23.8	0	180.3	--	--
Mycogen 2V732	7	34479	25.0	0	180.0	--	--
DEKALB DKC61-04 (VT3)	11	33857	24.5	0	179.9	--	--
Kruger K-6410VT3	3,6	34355	22.2	0	179.5	--	--
AgVenture L8950HB	3,6	34479	26.2	0	178.7	--	--
Midland 670BRW	11	33359	26.0	0	178.6	--	--
Kruger K-6010VT3	3,6	33981	24.0	0	178.6	--	--
Rainbow 3105YGCB	1,10	32985	24.9	0	178.0	179.2	178.6
Channel 209-19VT3 Brand	6	33981	23.1	0	177.8	--	--
Kruger K-6413VT3	3,6	34355	23.8	1	177.2	191.1	184.2
Mycogen 2T699	7	33608	23.2	0	176.8	--	--
Mycogen 2E696	7	34728	20.2	0	176.8	--	--
DEKALB DKC63-84 (VT3)	11	34852	24.4	0	176.3	--	--
Midland 779BRW	11	34355	25.1	0	175.9	195.7*	185.8
Kruger K-6015VT3	3,6	36346	24.0	0	174.8	180.1	177.5
Kruger K-6412VT3	3,6	34479	23.3	0	174.4	191.8	183.1
Kruger K-6116VT3	3,6	34604	24.7	0	174.0	--	--
USA 1149	1,13	32114	25.3	0	171.2	--	--
AgriGold A6489VT3	11	34604	24.8	0	170.9	189.4	180.2
Garst 83P07 GT/CB/LL	6,8,10	33732	26.5	0	169.0	--	--
AgriGold A6632VT3	11	35350	24.6	0	167.6	185.0	176.3
Rainbow X1149GT3	6,10	35101	24.3	0	166.6	--	--
Pioneer 35K03	6,10	33359	22.6	0	166.3	--	--

TABLE 14. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Fontanelle 8T339	11	32488	23.5	0	165.9	--	--
Taylor 2260 HX	10,11	34106	25.1	0	164.8	--	--
Pioneer 34N62	6,10	34852	19.6	0	160.6	--	--
Garst 83X61-3000GT	6,8,10	36470	25.8	0	159.8	--	--
Mycogen 2D771	7	33608	24.5	0	158.9	--	--
Garst 83T94 GT/CB/LL	6,8,10	33235	25.3	0	151.2	--	--
Garst 82H82-3000GT	6,8,10	34106	28.3	0	146.4	--	--
Pioneer 33D49 (HX1/LL/RR2	6,8,10	34728	25.8	0	144.1	--	--
TEST AVERAGE		**34481**	**24.4**	**0**	**178.4**	**184.8**	**181.6**
L.S.D. AT .10		**NS**	**1.3**	**NS**	**15.2**	**13.3**	
C.V. %		**4.5**	**4.0**		**5.9**	**5.3**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 15. Performance Summary for Irrigated Hybrids evaluated at Two Central Missouri locations (Columbia, Laddonia) during 2009.

Columbia	Laddonia
Planted: 05-15	Planted: 06-19
Harvested: 11-03	Harvested: 11-12
Growing Season Rainfall: 22.6	Growing Season Rainfall: 27.8
Irrigation: 2.0 in.	Irrigation: 1.25 in.

	Yield (Bu/Acre)		
Brand-Hybrid	Columbia	Laddonia	Mean
	Irrigated		
DEKALB DKC63-42 (VT3)	248.2**	200.6*	224.4**
Channel 216-63VT3 Brand	239.4*	201.4*	220.4*
Fontanelle 8T468	232.6*	201.3*	217.0*
AgriGold A6458VT3	241.5*	191.6*	216.6*
Fontanelle 8T812	230.7*	201.7**	216.2*
Rainbow 3147YGCB	242.6*	186.1	214.4*
Kruger K-6213VT3	236.9*	187.8*	212.3*
DEKALB DKC61-04 (VT3)	243.2*	179.9	211.5*
Kruger K-6210TS	230.0*	192.6*	211.3*
Mycogen 2H735	222.9*	197.1*	210.0*
AgriGold A6479VT3	234.2*	183.7	208.9*
Kruger K-6114VT3	223.0*	188.3*	205.6
DEKALB DKC65-63 (VT3)	224.6*	186.3	205.4
Kruger K-6013VT3	213.1	194.5*	203.8
AgVenture L8950HB	228.8*	178.7	203.8
Kruger K-6410VT3	224.2*	179.5	201.8
Mycogen 2E696	226.3*	176.8	201.6
AgriGold A6533VT3	218.5*	184.0	201.2
AgriGold A6456VT3	216.3	185.8	201.0
DEKALB DKC62-54 (VT3)	220.0*	180.3	200.2
Kruger K-6411VT3	215.3	183.5	199.4
Kruger K-6214VT3	208.9	186.8*	197.8
Fontanelle 8T339	225.8*	165.9	195.8
Kruger K-6413VT3	213.2	177.2	195.2
Mycogen 2V732	210.2	180.0	195.1
Kruger K-6412VT3	215.2	174.4	194.8
Kruger K-6116VT3	215.5	174.0	194.8
USA 1145 TR	202.4	185.3	193.8
Taylor 1940 VT3	207.1	180.5	193.8
Pioneer 33D49 (HX1/LL/RR2	242.1*	144.1	193.1
Pioneer 35K03	217.9	166.3	192.1
Midland 670BRW	204.6	178.6	191.6
Rainbow X1149GT3	215.2	166.6	190.9
Rainbow 3157	196.6	185.0	190.8
DEKALB DKC63-84 (VT3)	205.1	176.3	190.7
Garst 82H82-3000GT	231.9*	146.4	189.1
Mycogen 2G847	193.0	185.1	189.0
Midland 779BRW	200.9	175.9	188.4
Garst 83P07 GT/CB/LL	207.6	169.0	188.3
Kruger K-6010VT3	197.9	178.6	188.2
DEKALB DKC61-69 (VT3)	188.9	183.1	186.0
Channel 209-19VT3 Brand	192.9	177.8	185.3
AgriGold A6632VT3	200.2	167.6	183.9
Kruger K-6015VT3	190.6	174.8	182.7
Mycogen 2T699	188.3	176.8	182.6

Table 15. Continued.

Brand-Hybrid	Yield (Bu/Acre) Columbia	Laddonia	Mean
		Irrigated	
Mycogen 2D771	203.5	158.9	181.2
USA 1149	184.4	171.2	177.8
Rainbow 3105YGCB	175.5	178.0	176.8
Taylor 2260 HX	182.9	164.8	173.8
Pioneer 34N62	186.6	160.6	173.6
AgriGold A6489VT3	172.6	170.9	171.8
Garst 83T94 GT/CB/LL	189.1	151.2	170.2
Garst 83X61-3000GT	180.0	159.8	169.9
TEST AVERAGE	**212.4**	**178.4**	**195.4**
L.S.D. AT .10	**30.2**	**15.2**	**16.7**
C.V. %	**10.3**	**5.9**	**8.1**

** 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.

Southwest Region Crop Management Summary

There are three locations each in the Southwest Region for the Non-Irrigated Corn Test and 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.

Abundant to excessive rainfall throughout the growing season in Southwest Missouri helped most of the corn tests perform well. The tests produced mostly good yields, averaging 199 bushels per acre. The test at Adrian was sprayed with Headline to control foliar fungal diseases.

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 below in Table 16.

Average temperature = 70.6 degrees, 1.6 degrees below normal
Average precipitation = 27.1“, 2.5” above normal
Growing degree days = 3210 days, 218 days below normal

Table16. Southwest Region Crop Management Summary

	Planting	Harvest	Fertilizer				Herbicide		
Location	date	date	N	P_20_5	K_20	Tillage	Pre	Post	Insecticide
Non-Irrigated Corn Tests									
Harrisonville	05-18	10-06	230	80	60	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Urich	05-21	11-09	135	80	120	Conv	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Lamar	05-27	10-20	270	160	160	Conv.	Dual II Magnum, Aatrex, Callisto, Princep	Callisto	Force 3G
Irrigated Corn Tests									
Harrisonville	05-18	10-06	275	80	60	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G
Adrian	05-21	10-21	250	80	120	Conv	Dual II Magnum, Aatrex, Callisto, Princep	Headline	Force 3G
Lamar	05-27	10-20	285	160	160	Conv.	Dual II Magnum, Aatrex, Callisto, Princep		Force 3G

TABLE 17. **Non-Irrigated Corn Test**

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=5.1, OM=2.9%, P=86, K=372

Rainfall: May=3.1, June=6.2, July=5.0, Aug.=2.7,Sept.=1.8 Total=18.8

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
DEKALB DKC65-63 (VT3)	11	29762	18.3	0	229.2**	--	--
Rainbow 3157	1,10	29956	19.0	0	221.4*	--	--
Pioneer 33T57	6,10	30549	15.8	0	221.2*	162.8*	192.0
Mycogen 2V732	7	30805	17.1	0	216.2*	--	--
Garst 84U96-3000GT	6,8,10	30364	18.1	0	213.9*	--	--
Fontanelle 8T468	11	29707	16.3	0	211.9*	--	--
Dyna-Gro V5373VT3	3,11	28747	17.4	0	208.3*	--	--
Kruger K-6015VT3	3,6	30975	15.2	0	206.0*	145.9	176.0
Dyna-Gro 57V21	3,11	31623	19.0	0	204.8*	135.1	170.0
Pioneer 35K03	6,10	30939	15.6	0	203.5*	--	--
Mycogen 2E696	7	30487	15.8	0	202.2*	--	--
Midland 417BRW	11	28521	16.9	0	202.2*	--	--
Kruger K-6411VT3	3,6	28446	14.6	0	202.0*	141.1	171.6
Mycogen 2D771	7	28326	18.2	0	201.4*	--	--
Kruger K-6116VT3	3,6	29417	17.6	0	197.2*	--	--
Producers 7014VT3	11,12	29532	12.8	0	196.8*	--	--
Garst 83C55-3000GT	6,8,10	29762	17.7	0	195.8*	--	--
Lewis 910 VT3	10,11	29338	13.5	0	195.5	--	--
Kruger K-6114VT3	3,6	30204	17.6	0	195.3	150.8	173.1
Mycogen 2T699	7	30640	15.5	0	195.2	--	--
Garst 85R08-3000GT	6,8,10	30299	15.2	0	193.5	--	--
Taylor 1940 VT3	10,11	30906	17.0	0	189.8	--	--
DEKALB DKC61-69 (VT3)	11	28012	13.9	0	185.0	149.9	167.5
Fontanelle 8T639	11	28894	18.1	0	184.3	--	--
Kruger K-6213VT3	3,6	29011	15.8	0	183.2	--	--
Kruger K-6013VT3	3,6	30440	17.3	0	183.1	156.5*	169.8
Dyna-Gro 57V38	3,11	26633	16.7	0	180.6	--	--
DEKALB DKC61-04 (VT3)	11	29057	16.9	0	180.4	--	--
Taylor 2260 HX	10,11	28973	17.2	0	180.3	--	--
DEKALB DKC62-54 (VT3)	11	27192	14.2	0	179.8	--	--
Kruger K-6412VT3	3,6	29597	18.5	0	179.8	154.0	166.9
Dyna-Gro 57V07	3,11	27281	17.7	0	179.7	154.1	166.9
Producers 7394VT3	11,12	29965	17.0	0	179.6	--	--
DEKALB DKC63-84 (VT3)	11	30059	14.3	0	177.8	--	--
Lewis 1013 VT3	10,11	28139	14.9	0	177.7	--	--
Pioneer 34R67	6,10	26758	15.2	0	177.3	151.5	164.4
Stone 8T212VT3	10,11	28580	17.9	0	175.9	--	--
Rainbow X1118VT3	10,11	27491	15.1	0	175.5	--	--
Mycogen 2G847	7	29288	20.3	0	174.7	--	--
Stone 8T339VT3	10,11	27666	14.9	0	173.2	160.5*	166.9
Lewis 813 VT3	10,11	29327	13.8	0	168.5	--	--
Garst 84A53 GT/CB/LL	6,8,10	27769	17.3	0	164.0	--	--
Kruger K-6214VT3	3,6	28347	15.0	0	163.5	--	--
Pioneer 35F40	6,10	28004	14.4	0	151.8	162.3*	157.1
Midland 658HL	11	28193	18.1	0	151.1	155.7*	153.4

TABLE 17. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Kruger K-6413VT3	3,6	28518	13.7	0	151.1	144.4	147.8
Fontanelle 8T812	11	30991	17.5	0	147.0	--	--
Stone 5T128VT3	10,11	30622	12.6	0	141.2	--	--
Producers 7414VT3	11,12	30190	15.8	0	140.5	--	--
Dyna-Gro 58V72	3,11	29914	18.3	0	138.9	--	--
TEST AVERAGE		**29284**	**16.3**	**0**	**185.0**	**150.4**	**167.7**
L.S.D. AT .10		**1740**	**1.2**	**0**	**33.6**	**18.3**	
C.V. %		**4.2**	**5.4**		**12.8**	**9.0**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 18. **Non-Irrigated Corn Test**

Southwest Region: Urich, MO (Henry County)

Soil Type: Hartwell Silt Loam Soil Test: pH=5.2, OM=2.7%, P=38, K=316

Rainfall: Apr.=5.0, May=9.6, June=5.2, July=2.8, Aug.=5.5 Total=28.1

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2007	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Producers 7014VT3	11,12	28640	12.1	7	224.7**	--	--
Lewis 910 VT3	10,11	29362	12.8	6	214.6*	--	--
Garst 84U96-3000GT	6,8,10	29411	14.4	8	212.8*	--	--
Kruger K-6116VT3	3,6	29137	13.8	8	211.2*	--	--
Midland 417BRW	11	29528	13.0	5	211.2*	--	--
Garst 84A53 GT/CB/LL	6,8,10	29438	14.0	8	210.2*	--	--
Garst 85R08-3000GT	6,8,10	29856	13.2	3	210.1*	--	--
Kruger K-6114VT3	3,6	30876	15.3	6	207.7*	--	--
Dyna-Gro V5373VT3	3,11	30631	13.6	18	207.7*	--	--
Producers 7414VT3	11,12	29541	12.9	12	205.9*	--	--
Fontanelle 8T468	11	29733	13.9	4	204.0	--	--
Taylor 2260 HX	10,11	28119	13.6	10	202.3	--	--
Fontanelle 8T639	11	30244	15.2	8	202.1	--	--
Producers 7394VT3	11,12	30068	13.1	0	201.5	--	--
Dyna-Gro 57V07	3,11	28767	13.5	10	201.0	--	--
Lewis 813 VT3	10,11	30275	12.6	5	199.3	--	--
Garst 83C55-3000GT	6,8,10	28598	13.9	31	199.1	--	--
Stone 8T339VT3	10,11	28670	12.9	2	198.5	--	--
Kruger K-6413VT3	3,6	30358	12.9	0	197.6	--	--
DEKALB DKC62-54 (VT3)	11	30265	13.1	0	197.3	--	--
Mycogen 2V732	7	30023	13.7	2	196.7	--	--
Mycogen 2T699	7	28774	13.0	19	196.3	--	--
Kruger K-6013VT3	3,6	29640	13.5	1	195.3	--	--
Pioneer 33T57	6,10	30992	13.6	7	193.6	--	--
DEKALB DKC65-63 (VT3)	11	29366	13.4	0	193.4	--	--
Lewis 1013 VT3	10,11	29622	13.2	1	192.7	--	--
Stone 8T212VT3	10,11	29894	13.5	1	192.2	--	--
Rainbow X1118VT3	10,11	28913	13.6	0	192.0	--	--
Taylor 1940 VT3	10,11	28536	13.6	2	190.8	--	--
Kruger K-6214VT3	3,6	28687	13.1	3	190.3	--	--
DEKALB DKC61-69 (VT3)	11	28707	13.0	3	189.6	--	--
Kruger K-6412VT3	3,6	29500	13.9	1	188.2	--	--
Mycogen 2D771	7	28618	13.4	3	187.7	--	--
Fontanelle 8T812	11	29485	13.4	1	187.5	--	--
Kruger K-6015VT3	3,6	30845	13.3	7	186.5	--	--
Pioneer 35K03	6,10	28991	14.0	1	186.0	--	--
DEKALB DKC63-84 (VT3)	11	29752	12.3	1	184.3	--	--
Kruger K-6411VT3	3,6	29900	12.5	5	183.5	--	--
Dyna-Gro 57V21	3,11	28475	13.5	9	183.4	--	--
Dyna-Gro 58V72	3,11	28380	13.7	6	182.7	--	--
DEKALB DKC61-04 (VT3)	11	27858	14.7	1	181.8	--	--
Kruger K-6213VT3	3,6	30095	13.2	0	181.5	--	--
Pioneer 35F40	6,10	29706	13.4	28	180.7	--	--
Dyna-Gro 57V38	3,11	27897	13.4	2	178.4	--	--
Pioneer 34R67	6,10	28224	14.1	0	177.1	--	--

TABLE 18. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2007	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Midland 658HL	11	27819	14.0	2	176.8	--	--
Rainbow 3157	1,10	29611	14.7	0	173.9	--	--
Mycogen 2G847	7	30808	14.5	0	173.1	--	--
Mycogen 2E696	7	30180	13.3	0	172.4	--	--
Stone 5T128VT3	10,11	27745	12.5	5	163.0	--	--
TEST AVERAGE		**29371**	**13.5**	**5**	**193.4**	**121.9**	**157.7**
L.S.D. AT .10		**1448**	**0.4**	**9**	**18.8**	**14.4**	
C.V. %		**3.6**	**2.0**		**7.1**	**8.3**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 19. **Non-Irrigated Corn Test**

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parson Silt Loam Soil Test: pH=6.8, OM=2.0%, P=76, K=244

Rainfall: May=6.4, June=6.7, July=5.4, Aug.=2.6,Sept.=6.0 Total=27.1

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Kruger K-6013VT3	3,6	28878	18.1	0	231.7**	129.8*	180.8
Garst 83C55-3000GT	6,8,10	28878	19.8	0	230.3*	--	--
Fontanelle 8T812	11	29749	17.4	0	229.5*	--	--
Garst 84A53 GT/CB/LL	6,8,10	29127	18.1	0	228.8*	--	--
Lewis 813 VT3	10,11	30994	15.3	0	227.7*	--	--
Dyna-Gro 57V07	3,11	28753	17.7	0	225.8*	99.3	162.6
Kruger K-6114VT3	3,6	29874	18.4	0	225.4*	115.2	170.3
Kruger K-6411VT3	3,6	30247	15.5	0	225.0*	115.0	170.0
Stone 8T212VT3	10,11	29624	17.6	0	224.4*	--	--
Midland 417BRW	11	29625	16.8	0	224.3*	--	--
Fontanelle 8T468	11	29998	18.1	0	222.9*	--	--
Dyna-Gro V5373VT3	3,11	30123	17.8	0	222.6*	--	--
Taylor 1940 VT3	10,11	29127	17.6	0	222.4*	--	--
Dyna-Gro 58V72	3,11	29998	17.9	0	222.3*	--	--
Lewis 910 VT3	10,11	29252	16.3	0	222.0*	--	--
DEKALB DKC65-63 (VT3)	11	30371	17.6	0	221.9*	--	--
Kruger K-6116VT3	3,6	29376	17.4	0	221.4*	--	--
Producers 7414VT3	11,12	29998	17.5	0	220.7*	--	--
DEKALB DKC63-84 (VT3)	11	29376	17.1	0	220.6*	--	--
Garst 85R08-3000GT	6,8,10	30869	17.0	0	220.4*	--	--
Pioneer 33T57	6,10	31118	16.5	0	212.5	125.7	169.1
DEKALB DKC61-69 (VT3)	11	29251	16.3	0	212.1	147.3**	179.7
Mycogen 2V732	7	29127	16.9	0	211.7	--	--
Kruger K-6213VT3	3,6	29251	17.7	0	211.5	--	--
Mycogen 2T699	7	30247	17.2	0	210.9	--	--
Kruger K-6413VT3	3,6	29998	14.9	0	209.0	111.7	160.4
Producers 7014VT3	11,12	29251	16.0	0	209.0	--	--
Kruger K-6015VT3	3,6	29376	17.4	0	208.7	119.8	164.3
Producers 7394VT3	11,12	29625	17.4	0	207.4	--	--
Pioneer 35K03	6,10	29874	17.7	0	207.1	--	--
Rainbow 3157	1,10	30496	18.6	0	207.1	--	--
Pioneer 34R67	6,10	27384	16.3	0	205.7	118.3	162.0
Stone 8T339VT3	10,11	28007	17.0	0	205.6	125.5	165.6
Mycogen 2G847	7	29998	18.3	0	205.2	--	--
Mycogen 2E696	7	30122	16.5	0	203.5	--	--
Fontanelle 8T639	11	30620	18.1	0	202.0	--	--
Lewis 1013 VT3	10,11	27509	16.3	0	201.9	--	--
Pioneer 35F40	6,10	28255	16.2	0	201.9	127.7	164.8
Garst 84U96-3000GT	6,8,10	25891	17.6	0	201.7	--	--
DEKALB DKC62-54 (VT3)	11	28629	17.3	0	201.3	--	--
Stone 5T128VT3	10,11	28878	15.4	0	200.3	--	--
Midland 658HL	11	28007	17.6	0	200.1	87.1	143.6
Dyna-Gro 57V38	3,11	25890	18.0	0	199.7	--	--
Dyna-Gro 57V21	3,11	30620	17.5	0	198.6	109.0	153.8
DEKALB DKC61-04 (VT3)	11	27758	17.6	0	198.2	--	--

TABLE 19. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Rainbow X1118VT3	10,11	27260	17.2	0	195.9	--	--
Kruger K-6214VT3	3,6	28505	16.4	0	195.7	--	--
Kruger K-6412VT3	3,6	30371	17.7	0	195.3	114.0	154.7
Mycogen 2D771	7	27757	17.6	0	191.9	--	--
Taylor 2260 HX	10,11	29127	17.6	0	177.6	--	--
TEST AVERAGE		**29249**	**17.2**	**0**	**211.6**	**116.0**	**163.8**
L.S.D. AT .10		**1678**	**1.3**	**0**	**17.2**	**18.6**	
C.V. %		**4.2**	**5.5**		**5.8**	**11.1**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 20. Performance Summary for Non-Irrigated Hybrids evaluated at Three Southwest Missouri locations (Harrisonville, Urich, Lamar) during 2009.

Harrisonville	Urich	Lamar
Planted: 05-18	Planted: 05-21	Planted: 05-27
Harvested: 10-06	Harvested: 11-09	Harvested: 10-20
Growing Season Rainfall: 18.8	Growing Season Rainfall: 28.1	Growing Season Rainfall: 27.1

	Yield (Bu/Acre)			
Brand-Hybrid	Harrisonville	Urich	Lamar	Mean
		Non-Irrigated		
DEKALB DKC65-63 (VT3)	229.2**	193.4	221.9*	214.8**
Fontanelle 8T468	211.9*	204.0	222.9*	212.9*
Dyna-Gro V5373VT3	208.3*	207.7*	222.6*	212.9*
Midland 417BRW	202.2*	211.2*	224.3*	212.6*
Lewis 910 VT3	195.5	214.6*	222.0*	210.7*
Producers 7014VT3	196.8*	224.7**	209.0	210.2*
Kruger K-6116VT3	197.2*	211.2*	221.4*	209.9*
Kruger K-6114VT3	195.3	207.7*	225.4*	209.5*
Garst 84U96-3000GT	213.9*	212.8*	201.7	209.5*
Pioneer 33T57	221.2*	193.6	212.5	209.1*
Garst 83C55-3000GT	195.8*	199.1	230.3*	208.4*
Mycogen 2V732	216.2*	196.7	211.7	208.2*
Garst 85R08-3000GT	193.5	210.1*	220.4*	208.0*
Kruger K-6411VT3	202.0*	183.5	225.0*	203.5*
Kruger K-6013VT3	183.1	195.3	231.7**	203.4*
Dyna-Gro 57V07	179.7	201.0	225.8*	202.2*
Garst 84A53 GT/CB/LL	164.0	210.2*	228.8*	201.0*
Taylor 1940 VT3	189.8	190.8	222.4*	201.0*
Rainbow 3157	221.4*	173.9	207.1	200.8*
Mycogen 2T699	195.2	196.3	210.9	200.8*
Kruger K-6015VT3	206.0*	186.5	208.7	200.4
Pioneer 35K03	203.5*	186.0	207.1	198.9
Lewis 813 VT3	168.5	199.3	227.7*	198.5
Stone 8T212VT3	175.9	192.2	224.4*	197.5
Producers 7394VT3	179.6	201.5	207.4	196.2
Fontanelle 8T639	184.3	202.1	202.0	196.1
Dyna-Gro 57V21	204.8*	183.4	198.6	195.6
DEKALB DKC61-69 (VT3)	185.0	189.6	212.1	195.6
DEKALB DKC63-84 (VT3)	177.8	184.3	220.6*	194.2
Mycogen 2D771	201.4*	187.7	191.9	193.7
DEKALB DKC62-54 (VT3)	179.8	197.3	201.3	192.8
Mycogen 2E696	202.2*	172.4	203.5	192.7
Stone 8T339VT3	173.2	198.5	205.6	192.4
Kruger K-6213VT3	183.2	181.5	211.5	192.1
Lewis 1013 VT3	177.7	192.7	201.9	190.8
Producers 7414VT3	140.5	205.9*	220.7*	189.0
Fontanelle 8T812	147.0	187.5	229.5*	188.0
Rainbow X1118VT3	175.5	192.0	195.9	187.8
Kruger K-6412VT3	179.8	188.2	195.3	187.8
DEKALB DKC61-04 (VT3)	180.4	181.8	198.2	186.8
Taylor 2260 HX	180.3	202.3	177.6	186.7
Pioneer 34R67	177.3	177.1	205.7	186.7
Dyna-Gro 57V38	180.6	178.4	199.7	186.2
Kruger K-6413VT3	151.1	197.6	209.0	185.9
Mycogen 2G847	174.7	173.1	205.2	184.3

Table 20. Continued.

Brand-Hybrid	Yield (Bu/Acre) Harrisonville	Urich	Lamar	Mean
		Non-Irrigated		
Kruger K-6214VT3	163.5	190.3	195.7	183.2
Dyna-Gro 58V72	138.9	182.7	222.3*	181.3
Pioneer 35F40	151.8	180.7	201.9	178.1
Midland 658HL	151.1	176.8	200.1	176.0
Stone 5T128VT3	141.2	163.0	200.3	168.2
TEST AVERAGE	**185.0**	**193.4**	**211.6**	**196.7**
L.S.D. AT .10	**33.6**	**18.8**	**17.2**	**13.9**
C.V. %	**12.8**	**7.1**	**5.8**	**8.6**

** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
Note: To view seed treatments for these hybrids refer to the location table or the characteristics chart.

TABLE 21. **Irrigated Corn Test**

Southwest Region: Harrisonville, MO (Cass County)

Soil Type: Haig Silt Loam Soil Test: pH=5.5, OM=2.6%, P=40, K=294

Rainfall: May=3.1, June=6.2, July=5.0, Aug.=2.7,Sept.=1.8 Total=18.8
Irrigation: 2.5 in.

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Rainbow 3157	1,10	36395	19.0	0	252.6**	240.3	246.5
AgVenture L8950HB	3,6	34924	18.7	0	250.9*	--	--
Rainbow 3158YGCB	1,10	34908	18.1	0	231.1*	263.0**	247.1
Rainbow X1149GT3	6,10	32894	17.8	0	228.5*	--	--
Kruger K-6015VT3	3,6	36300	16.6	0	225.6*	215.8	220.7
Dyna-Gro V5373VT3	3,11	34945	18.0	0	224.5*	--	--
Kruger K-6010VT3	3,6	34774	16.3	0	223.3*	--	--
Dyna-Gro 57V07	3,11	33107	18.4	0	222.6*	239.0	230.8
Mycogen 2G847	7	36093	18.8	0	219.4*	--	--
Midland 7A58BRW	11	33407	18.5	0	216.4	233.3	224.9
DEKALB DKC62-54 (VT3)	11	30219	16.8	0	215.9	--	--
Kruger K-6116VT3	3,6	34913	17.8	0	215.1	--	--
Kruger K-6013VT3	3,6	34510	17.1	0	213.3	228.7	221.0
DEKALB DKC63-84 (VT3)	11	37404	15.5	0	213.1	--	--
DEKALB DKC63-42 (VT3)	11	35431	17.7	0	210.5	239.2	224.9
Taylor 2260 HX	10,11	34038	17.2	0	209.4	--	--
Producers 7014VT3	11,12	31912	15.4	0	208.0	--	--
Garst 83X61-3000GT	6,8,10	34370	18.1	0	207.8	--	--
Garst 82R44-3000GT	6,8,10	34984	18.6	0	207.5	--	--
Kruger K-6114VT3	3,6	34235	18.3	0	206.0	237.9	222.0
Mycogen 2H735	7	32916	16.8	0	205.0	--	--
Garst 83P07 GT/CB/LL	6,8,10	34016	19.2	0	204.8	--	--
Mycogen 2E696	7	35868	16.7	0	202.5	--	--
DEKALB DKC65-63 (VT3)	11	34253	18.3	0	201.7	--	--
Kruger K-6412VT3	3,6	33730	18.2	0	199.8	218.9	209.4
Kruger K-6411VT3	3,6	33170	16.5	0	197.3	217.7	207.5
Mycogen 2D771	7	31689	18.3	0	195.0	--	--
DEKALB DKC61-69 (VT3)	11	35104	15.3	0	193.9	237.5	215.7
Mycogen 2T699	7	35185	15.8	0	192.6	--	--
Pioneer 33D49 (HX1/LL/RR2	6,8,10	34874	18.6	0	190.3	--	--
Pioneer 35K03	6,10	34161	16.0	0	190.3	--	--
Garst 83C55-3000GT	6,8,10	32907	18.1	0	189.8	--	--
Dyna-Gro 58V72	3,11	33604	17.8	0	189.6	--	--
Rainbow 3147YGCB	1,10	33229	18.0	0	184.4	--	--
Pioneer 34R67	6,10	33615	17.0	0	178.7	216.6	197.7
Producers 7414VT3	11,12	34348	17.7	0	177.9	--	--
Kruger K-6210TS	3,6	30690	17.9	0	175.9	231.2	203.6
Mycogen 2V732	7	34987	18.0	0	175.2	--	--
Kruger K-6213VT3	3,6	35315	18.0	0	174.8	--	--
DEKALB DKC61-04 (VT3)	11	32293	17.7	0	173.4	--	--
Dyna-Gro 57V38	3,11	32183	18.3	0	172.3	--	--
Garst 83T94 GT/CB/LL	6,8,10	34568	17.9	0	171.2	--	--
Rainbow X1118VT3	10,11	31923	17.2	0	168.8	--	--
Pioneer 35F40	6,10	34219	16.1	0	166.3	--	--
Taylor 1940 VT3	10,11	33691	17.5	0	161.0	--	--

TABLE 21. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Kruger K-6410VT3	3,6	34449	16.1	0	159.6	--	--
Rainbow 3105YGCB	1,10	33154	18.0	0	159.3	240.4	199.9
Kruger K-6214VT3	3,6	33852	17.3	0	151.4	--	--
Dyna-Gro 57V21	3,11	35896	18.7	0	148.5	237.9	193.2
Kruger K-6413VT3	3,6	35161	17.2	0	145.7	225.0	185.4
TEST AVERAGE		**34096**	**17.5**	**0**	**196.0**	**225.6**	**210.8**
L.S.D. AT .10		**2144**	**1.0**	**0**	**34.6**	**22.5**	
C.V. %		**4.4**	**4.3**		**12.3**	**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=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 22. **Irrigated Corn Test**

Southwest Region: Adrian, MO (Bates County)

Soil Type: Kenoma Silt Loam Soil Test: pH=6.4, OM=2.2, P=108, K=446

Rainfall: May=6.3, June=6.1, July=4.2, Aug=4.3, Sept=4.3 Total=25.2"
Irrigation: 4.5"

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009		2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Rainbow 3158YGCB	1,10	35157	22.3	0	217.5**	--	--
DEKALB DKC65-63 (VT3)	11	34757	22.0	0	217.5**	--	--
Dyna-Gro 57V07	3,11	33185	21.4	0	209.4*	--	--
Garst 83C55-3000GT	6,8,10	34043	21.8	0	208.6*	--	--
Rainbow 3147YGCB	1,10	32738	20.4	0	208.2*	--	--
Garst 83X61-3000GT	6,8,10	34777	20.3	0	208.0*	--	--
Producers 7014VT3	11,12	33931	18.6	0	207.1*	--	--
Mycogen 2T699	7	35597	18.7	0	203.5*	--	--
Garst 83P07 GT/CB/LL	6,8,10	33812	23.8	0	203.2*	--	--
Taylor 1940 VT3	10,11	35245	19.9	0	203.2*	--	--
Kruger K-6114VT3	3,6	35294	20.7	0	201.7*	--	--
DEKALB DKC63-42 (VT3)	11	36209	20.1	0	201.6*	--	--
Taylor 2260 HX	10,11	34930	21.0	0	201.1*	--	--
Dyna-Gro V5373VT3	3,11	35775	20.9	0	200.2*	--	--
Mycogen 2V732	7	34266	20.9	1	200.1*	--	--
Midland 7A58BRW	11	33238	23.4	0	200.1*	--	--
Kruger K-6410VT3	3,6	34232	18.6	0	199.8	--	--
Kruger K-6013VT3	3,6	34985	20.2	0	199.7	--	--
Mycogen 2D771	7	32988	21.2	0	199.0	--	--
Kruger K-6213VT3	3,6	34935	21.1	0	198.9	--	--
Mycogen 2E696	7	35618	19.0	0	198.9	--	--
Rainbow 3157	1,10	35805	23.0	0	197.6	--	--
Rainbow 3105YGCB	1,10	33762	19.5	0	196.4	--	--
Kruger K-6412VT3	3,6	34844	20.0	0	196.3	--	--
DEKALB DKC61-69 (VT3)	11	34813	18.5	0	196.3	--	--
AgVenture L8950HB	3,6	33240	21.5	0	196.0	--	--
Kruger K-6411VT3	3,6	34161	17.3	0	194.9	--	--
Kruger K-6210TS	3,6	33170	19.2	0	194.8	--	--
Mycogen 2G847	7	34016	22.2	0	193.8	--	--
Kruger K-6116VT3	3,6	33385	20.5	0	193.3	--	--
Producers 7414VT3	11,12	35034	21.7	0	193.1	--	--
Rainbow X1149GT3	6,10	35049	19.6	0	192.2	--	--
Pioneer 33D49 (HX1/LL/RR2	6,8,10	34698	23.1	0	191.9	--	--
Mycogen 2H735	7	34639	20.3	0	191.4	--	--
Dyna-Gro 57V21	3,11	34564	23.6	0	190.4	--	--
Pioneer 35K03	6,10	36204	18.8	0	188.8	--	--
Dyna-Gro 58V72	3,11	33470	19.6	4	188.5	--	--
Kruger K-6010VT3	3,6	36024	18.9	0	186.9	--	--
Dyna-Gro 57V38	3,11	31701	20.8	0	186.6	--	--
DEKALB DKC62-54 (VT3)	11	35558	18.5	0	185.7	--	--
DEKALB DKC63-84 (VT3)	11	35793	19.5	0	185.0	--	--
Kruger K-6015VT3	3,6	35549	19.1	0	184.5	--	--
Pioneer 35F40	6,10	33792	18.5	0	184.3	--	--
DEKALB DKC61-04 (VT3)	11	34828	19.7	0	182.6	--	--
Kruger K-6413VT3	3,6	35168	18.3	0	182.3	--	--

TABLE 22. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009		Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Pioneer 34R67	6,10	34931	18.9	0	182.3	--	--
Kruger K-6214VT3	3,6	33828	19.1	0	180.4	--	--
Garst 83T94 GT/CB/LL	6,8,10	33954	20.8	0	179.5	--	--
Rainbow X1118VT3	10,11	31356	18.6	0	177.1	--	--
Garst 82R44-3000GT	6,8,10	32868	20.8	0	159.2	--	--
TEST AVERAGE		**34438**	**20.3**	**0**	**194.8**	**--**	**--**
L.S.D. AT .10		**1782**	**1.6**	**NS**	**17.4**		
C.V. %		**3.6**	**5.6**		**6.1**		

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 23. **Irrigated Corn Test**

Southwest Region: Lamar, MO (Barton County)

Soil Type: Parson Silt Loam Soil Test: pH=6.6, OM=2.0%, P=68, K=274

Rainfall: May=6.4, June=6.7, July=5.4, Aug.=2.6,Sept.=6.0 Total=27.1
Irrigation: 1.2 in.

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Mycogen 2H735	7	36222	16.6	1	242.8**	--	--
Rainbow 3158YGCB	1,10	34355	17.8	4	235.9*	193.3	214.6
Kruger K-6114VT3	3,6	34479	19.0	1	234.3*	194.3	214.3
Rainbow 3147YGCB	1,10	34603	17.7	0	234.0*	--	--
Kruger K-6013VT3	3,6	35350	18.1	4	233.3*	202.5*	217.9
Producers 7014VT3	11,12	33608	13.0	1	232.8*	--	--
Producers 7414VT3	11,12	35101	17.7	0	232.1*	--	--
DEKALB DKC63-42 (VT3)	11	36222	17.4	0	231.1*	199.5*	215.3
Garst 83C55-3000GT	6,8,10	35226	18.0	4	229.9*	--	--
Kruger K-6410VT3	3,6	33981	12.1	2	227.4	--	--
Mycogen 2T699	7	34479	13.6	19	224.6	--	--
Pioneer 34R67	6,10	35102	15.5	0	224.5	192.8	208.7
Rainbow 3105YGCB	1,10	33857	16.8	2	223.2	174.4	198.8
Kruger K-6213VT3	3,6	34977	16.4	0	220.2	--	--
Kruger K-6116VT3	3,6	33857	18.4	6	219.0	--	--
Midland 7A58BRW	11	33732	18.2	11	218.4	190.0	204.2
Dyna-Gro V5373VT3	3,11	35848	18.0	9	216.1	--	--
DEKALB DKC61-04 (VT3)	11	31243	19.1	0	215.8	--	--
DEKALB DKC65-63 (VT3)	11	33981	17.3	0	215.1	--	--
Kruger K-6413VT3	3,6	34105	12.7	3	214.8	204.8*	209.8
Mycogen 2D771	7	32861	15.4	1	214.6	--	--
Taylor 2260 HX	10,11	34853	18.1	2	213.5	--	--
Dyna-Gro 57V21	3,11	34604	17.9	2	213.2	189.8	201.5
Kruger K-6411VT3	3,6	35102	11.6	7	212.9	191.1	202.0
Mycogen 2G847	7	33732	19.6	0	212.8	--	--
Kruger K-6412VT3	3,6	35599	17.5	1	212.7	185.1	198.9
Dyna-Gro 57V07	3,11	33732	18.9	5	212.4	190.0	201.2
Kruger K-6010VT3	3,6	34106	14.3	0	211.7	--	--
DEKALB DKC61-69 (VT3)	11	31368	13.4	3	210.7	207.6**	209.2
Garst 82R44-3000GT	6,8,10	32612	20.4	1	210.1	--	--
DEKALB DKC62-54 (VT3)	11	32737	15.6	0	208.4	--	--
AgVenture L8950HB	3,6	34106	19.4	13	208.2	--	--
Mycogen 2E696	7	33483	14.0	0	207.0	--	--
Garst 83X61-3000GT	6,8,10	34106	18.7	16	206.4	--	--
Mycogen 2V732	7	33234	17.3	3	206.1	--	--
Taylor 1940 VT3	10,11	34230	17.3	1	205.9	--	--
Rainbow X1149GT3	6,10	36097	17.6	0	204.9	--	--
Pioneer 35K03	6,10	34603	17.7	0	203.0	--	--
Rainbow 3157	1,10	34604	20.1	4	202.6	159.9	181.3
Kruger K-6015VT3	3,6	33359	15.6	1	202.5	203.4*	203.0
Dyna-Gro 58V72	3,11	33359	17.5	1	201.5	--	--
Pioneer 35F40	6,10	33608	16.7	0	200.7	--	--
Kruger K-6214VT3	3,6	32239	13.6	1	200.4	--	--
Pioneer 33D49 (HX1/LL/RR2	6,8,10	36844	19.5	0	199.4	--	--
Rainbow X1118VT3	10,11	32114	17.2	0	196.3	--	--

TABLE 23. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
DEKALB DKC63-84 (VT3)	11	32612	13.4	4	196.1	--	--
Kruger K-6210TS	3,6	30994	18.0	0	196.1	197.3*	196.7
Dyna-Gro 57V38	3,11	29376	18.1	0	195.8	--	--
Garst 83P07 GT/CB/LL	6,8,10	33857	18.3	11	194.2	--	--
Garst 83T94 GT/CB/LL	6,8,10	31243	19.2	15	175.9	--	--
TEST AVERAGE		**33914**	**16.9**	**3**	**213.2**	**189.9**	**201.6**
L.S.D. AT .10		**1858**	**2.1**	**5**	**14.1**	**12.9**	
C.V. %		**4.0**	**9.1**		**4.8**	**4.7**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 24. Performance Summary for Irrigated Hybrids evaluated at Three Southwest Missouri locations (Harrisonville, Adrian, Lamar) during 2009.

Harrisonville	Adrian	Lamar
Planted: 05-18	Planted: 5-21	Planted: 05-27
Harvested: 10-06	Harvested: 10-21	Harvested: 10-20
Growing Season Rainfall: 18.8	Growing Season Rainfall: 25.2"	Growing Season Rainfall: 27.1
Irrigation: 2.5 in.	Irrigation: 4.5"	Irrigation: 1.2 in.

	Yield (Bu/Acre)			
Brand-Hybrid	Harrisonville	Adrian	Lamar	Mean
		Irrigated		
Rainbow 3158YGCB	231.1*	217.5**	235.9*	228.2**
AgVenture L8950HB	250.9*	196.0	208.2	218.4*
Rainbow 3157	252.6**	197.6	202.6	217.6*
Producers 7014VT3	208.0	207.1*	232.8*	216.0*
Kruger K-6013VT3	213.3	199.7	233.3*	215.4*
Dyna-Gro 57V07	222.6*	209.4*	212.4	214.8*
DEKALB DKC63-42 (VT3)	210.5	201.6*	231.1*	214.4
Kruger K-6114VT3	206.0	201.7*	234.3*	214.0
Dyna-Gro V5373VT3	224.5*	200.2*	216.1	213.6
Mycogen 2H735	205.0	191.4	242.8**	213.1
Midland 7A58BRW	216.4	200.1*	218.4	211.6
DEKALB DKC65-63 (VT3)	201.7	217.5**	215.1	211.4
Garst 83C55-3000GT	189.8	208.6*	229.9*	209.4
Kruger K-6116VT3	215.1	193.3	219.0	209.1
Rainbow 3147YGCB	184.4	208.2*	234.0*	208.9
Mycogen 2G847	219.4*	193.8	212.8	208.7
Rainbow X1149GT3	228.5*	192.2	204.9	208.5
Taylor 2260 HX	209.4	201.1*	213.5	208.0
Garst 83X61-3000GT	207.8	208.0*	206.4	207.4
Kruger K-6010VT3	223.3*	186.9	211.7	207.3
Mycogen 2T699	192.6	203.5*	224.6	206.9
Kruger K-6015VT3	225.6*	184.5	202.5	204.2
DEKALB DKC62-54 (VT3)	215.9	185.7	208.4	203.3
Kruger K-6412VT3	199.8	196.3	212.7	202.9
Mycogen 2D771	195.0	199.0	214.6	202.9
Mycogen 2E696	202.5	198.9	207.0	202.8
Kruger K-6411VT3	197.3	194.9	212.9	201.7
Producers 7414VT3	177.9	193.1	232.1*	201.0
Garst 83P07 GT/CB/LL	204.8	203.2*	194.2	200.7
DEKALB DKC61-69 (VT3)	193.9	196.3	210.7	200.3
DEKALB DKC63-84 (VT3)	213.1	185.0	196.1	198.1
Kruger K-6213VT3	174.8	198.9	220.2	198.0
Kruger K-6410VT3	159.6	199.8	227.4	195.6
Pioneer 34R67	178.7	182.3	224.5	195.2
Pioneer 35K03	190.3	188.8	203.0	194.0
Pioneer 33D49 (HX1/LL/RR2	190.3	191.9	199.4	193.9
Mycogen 2V732	175.2	200.1*	206.1	193.8
Dyna-Gro 58V72	189.6	188.5	201.5	193.2
Rainbow 3105YGCB	159.3	196.4	223.2	193.0
Garst 82R44-3000GT	207.5	159.2	210.1	192.3
DEKALB DKC61-04 (VT3)	173.4	182.6	215.8	190.6
Taylor 1940 VT3	161.0	203.2*	205.9	190.0
Kruger K-6210TS	175.9	194.8	196.1	188.9
Dyna-Gro 57V38	172.3	186.6	195.8	184.9
Dyna-Gro 57V21	148.5	190.4	213.2	184.0

Table 24. Continued.

Brand-Hybrid	Yield (Bu/Acre) Harrisonville	Adrian	Lamar	Mean
		Irrigated		
Pioneer 35F40	166.3	184.3	200.7	183.8
Kruger K-6413VT3	145.7	182.3	214.8	180.9
Rainbow X1118VT3	168.8	177.1	196.3	180.7
Kruger K-6214VT3	151.4	180.4	200.4	177.4
Garst 83T94 GT/CB/LL	171.2	179.5	175.9	175.5
TEST AVERAGE	**196.0**	**194.8**	**213.2**	**201.3**
L.S.D. AT .10	**34.6**	**17.4**	**14.1**	**13.6**
C.V. %	**12.3**	**6.1**	**4.8**	**7.7**

** 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. 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.

A cooler and wetter than normal growing season held corn yields down to about average at the southeast region sites again this year, averaging 215 bushels per acre. Poor conditions during emergence resulted in very low stands at Portageville and wet field conditions there throughout the month of October prevented a timely harvest. On November 11, the plots there were harvested, but variability was high and the test results were not published.

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 below in table 25.

Average temperature = 73.4 degrees, 0.7 degrees below normal
Average precipitation = 22.6", 3.5" above normal
Growing degree days = 3521 days, 146 below normal

Table 25. Southeast Region Crop Management Summary

	Planting	Harvest	Fertilizer				Herbicide		
Location	date	date	N	P_20_5	K_20	Tillage	Pre	Post	Insecticide
Irrigated Corn Tests									
Oran	04-23	09-17	200	40	60	Conv.	Resolve, Atrazine		Force 3G
Charleston	04-24	09-17	250	160	60	Conv.	Resolve, Atrazine, Steadfast		Force 3G
Portageville	5-20	11-11	320	0	0	Conv.	Keystone		Force 3G

TABLE 26. **Irrigated Corn Test**

Southeast Region: Oran, MO (Scott County)

Soil Type: Commerce Silt Loam Soil Test: pH=5.0, OM=1.3%, P=NA, K=NA

Rainfall: May=5.9, June=3.3, July=2.7, Aug.=3.2,Sept.=1.7 Total=16.8
Irrigation: 8.0

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Pioneer 33D49 (HX1/LL/RR2	6,8,10	33805	18.2	1	289.9**	--	--
Terral-REV 28R30	4,6,8,10	37984	18.8	9	287.3*	--	--
Pioneer 31D59 (HX1/LL/RR2	6,8,10	38451	18.4	2	287.3*	--	--
Pioneer P2023HR	6,8,10	34504	17.7	1	284.5*	--	--
Dyna-Gro 57V21	3,11	34033	16.9	14	280.8*	203.5	242.2
Wyffels W8681	4,8,10	33230	17.5	2	279.5*	200.4	240.0
NK N68B-CB/LL/RW	6	32758	15.7	2	279.1*	--	--
Terral-REV 26HR70	4,6,8,10	32882	17.5	2	277.2*	--	--
Terral-REV 28HR20	4,6,8,10	34036	17.8	14	274.8*	--	--
Belle 1457VT3	6,8	34386	17.7	4	274.3*	--	--
Terral-REV 26R60	4,6,8,10	34266	16.9	1	273.1*	--	--
AgriGold A6533VT3	11	32401	16.7	6	273.0*	--	--
Pioneer 31P42 (HX1/LL/RR2	6,8,10	33451	17.1	0	272.2*	241.6**	256.9
DEKALB DKC64-79 (VT3)	11	34616	16.5	4	271.1*	211.7	241.4
Dairyland 9214Q	2,5,11	32531	17.4	10	270.3*	--	--
Dyna-Gro V5373VT3	3,11	32867	17.4	34	266.6*	--	--
Gateway 6158	10,11	35779	17.1	11	266.1	--	--
Mycogen 2A720	7	34040	16.1	8	264.8	--	--
Belle BX921VT3	11,12	34622	16.3	1	264.3	--	--
AgriGold A6632VT3	11	32996	17.1	5	263.8	212.2	238.0
Belle 1161VT3	11,12	35200	16.0	7	262.9	--	--
Dairyland 9313	2,5,11	34614	16.3	3	262.1	202.9	232.5
Channel 214-25VT3 Brand	6	35208	17.2	0	262.0	--	--
Terral-REV 25HR39	4,6,8,10	29384	17.3	5	261.8	--	--
Wyffels W6871	4,8,10	33348	16.4	0	260.9	--	--
Dairyland 9414Q	2,5,11	33452	17.6	22	260.7	--	--
Stine 9806VT3	2,5,11,12	34738	17.9	0	260.6	--	--
Dairyland 9810	2,5,11	36007	15.4	0	260.3	--	--
Dyna-Gro 57V40	3,11	35200	15.7	2	259.8	--	--
DEKALB DKC68-06 (RR2/YGCB	11	32761	18.4	0	259.4	--	--
Belle 1511C	11,12	36234	17.6	5	258.6	--	--
Terral-REV 26HR50	4,6,8,10	32290	18.1	24	257.3	--	--
Trisler T-8N52VT3	2,11,12	34376	15.8	3	257.3	--	--
Terral-REV 25HR49	4,6,8,10	36129	17.2	3	256.9	--	--
Belle 1545VT3	6,8	33693	18.0	8	256.8	189.6	223.2
Channel 215-11VT3 Brand	6	33796	16.6	2	256.5	--	--
Belle 1655VT3	6,8	35661	17.1	0	256.4	--	--
Dyna-Gro 58V24	11	32648	18.0	18	254.7	194.2	224.5
Gateway 8816VT3	10,11	34151	17.1	10	254.4	--	--
NK N78N-3000GT	6	30551	18.0	6	253.6	--	--
Pioneer 33N58 (HX1/LL/RR2	6,8,10	33341	16.5	4	253.5	207.2	230.4
Trisler T-7A14VT3	2,11,12	32993	15.9	0	253.3	--	--
Channel 210-57VT3 Brand	6	37984	16.1	1	253.2	--	--
Mycogen 2V732	7	33231	16.7	3	253.1	--	--
Dyna-Gro 58V72	3,11	32759	16.1	10	253.1	--	--

TABLE 26. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Dyna-Gro 57V44	3,12	32990	15.5	19	252.8	206.3	229.6
Dyna-Gro 58V50	3,12	33460	19.5	25	252.8	--	--
Trisler T-8A02VT3	2,11,12	33339	16.1	1	252.3	--	--
NK N77P-3000GT	6	31247	17.7	56	251.8	--	--
Mycogen 2D771	7	34155	17.6	11	251.7	--	--
MFA MORCORN MC4507VT3	6	33915	17.3	18	251.3	211.9	231.6
Merschman M-816A-10	2,5,11,12	35418	18.3	21	251.3	--	--
Stine M-911C-10	2,5,11,12	34383	15.9	19	251.0	--	--
AgriGold A6639VT3	11	33798	17.7	32	250.6	--	--
MFA MORCORN MC4307VT3	6	34274	16.8	1	250.0	--	--
Mycogen 2T699	7	33802	15.5	3	249.6	--	--
Channel 210-61VT3 Brand	6	34501	15.6	3	249.3	--	--
Gateway 8213HXX/LL	10,11	32756	17.2	16	249.2	--	--
NK N73V-3000GT	6	32300	17.5	17	248.7	--	--
Croplan 6818 VT3	3,6	33107	17.1	16	248.5	--	--
MFA MORCORN MC4107VT3	6	33799	15.9	17	247.6	--	--
Belle BX992CV	11,12	32636	17.6	12	247.5	--	--
Stine M-913C-10	2,5,11,12	35887	17.2	18	247.3	210.4	228.9
Merschman M-814B-10	2,5,11,12	34039	15.2	0	247.0	--	--
Gateway 8812VT3	10,11	32403	15.8	9	246.7	--	--
Great Heart HT-297VT3	11	32417	15.9	0	246.1	217.1	231.6
Dyna-Gro 57K58	3,12	33456	16.9	36	245.5	187.4	216.5
DEKALB DKC61-69 (VT3)	11	35771	15.6	1	243.0	217.8	230.4
Dairyland 7611	2,5,11	30195	16.1	43	242.4	208.8	225.6
Croplan 6150 VT3	3,6	34960	14.5	1	241.3	--	--
Belle 1646VT3	6,8	34032	17.0	33	241.1	195.8	218.5
Pioneer P1253HR	6,8,10	33574	15.3	10	241.1	--	--
Channel 216-63VT3 Brand	6	32993	16.8	8	241.0	--	--
Trisler T-7N51VT3	2,11,12	35073	15.2	5	240.8	211.3	226.1
AgriGold A6489VT3	11	34628	16.6	2	240.2	216.7	228.5
Gateway 7158	10,11	34839	17.3	37	240.2	--	--
Channel 213-32VT3 Brand	6	36362	17.6	8	239.2	--	--
Dairyland 9009	2,5,11	31128	14.1	6	238.5	202.5	220.5
DEKALB DKC67-87 (RR2/YGCB	11	33333	16.9	43	237.8	207.0	222.4
Belle 1147VT3	6,8	33799	15.8	13	237.7	194.5	216.1
AgriGold A6479VT3	11	34037	16.0	24	234.3	202.7	218.5
Pioneer 33F87 (HX1/LL/RR2	6,8,10	33686	16.6	13	233.2	--	--
Dyna-Gro 57V05	3,12	32987	18.2	24	232.4	191.6	212.0
DEKALB DKC61-04 (VT3)	11	32871	16.3	25	230.7	--	--
Wyffels W9121	4,8,10	34382	16.6	1	224.9	199.4	212.2
Dyna-Gro V52R76	3,12	30088	15.3	28	223.5	--	--
Dairyland 7615	2,5,11	34026	17.2	39	222.9	216.8	219.9
Belle BX913CV	11,12	34380	15.5	2	221.6	--	--
Mycogen 2G847	7	33452	17.6	4	221.3	--	--
Croplan 7505 VT3	3,6	32518	16.9	0	218.1	--	--

TABLE 26. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
AgriGold A6633VT3	11	35074	17.0	2	217.2	204.4	210.8
Great Heart HT-317VT3	11	31823	16.9	22	214.8	202.1	208.5
Great Heart HT-107RR	11	32292	15.8	13	191.9	--	--
TEST AVERAGE		**33804**	**16.8**	**11**	**252.0**	**204.0**	**228.0**
L.S.D. AT .10		**2963**	**0.9**	**16**	**23.6**	**17.9**	
C.V. %		**6.5**	**3.8**		**6.7**	**6.4**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 27. **Irrigated Corn Test**

Southeast Region: Charleston, MO (Mississippi County)

Soil Type: Dundee Silt Loam Soil Test: pH=6.4, OM=1.3%, P=NA, K=NA

Rainfall: May=7.4, June=4.5, July=5.3, Aug.=3.0,Sept.=3.8 Total=24.0
Irrigation: 12.3

		2009			Yield		
Brand-Variety	Seed Treatment [+]	Plant Population	Moisture	Lodging	2009	2008	2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Pioneer 33D49 (HX1/LL/RR2	6,8,10	32569	19.7	0	236.8**	--	--
Croplan 6818 VT3	3,6	33755	19.1	0	234.6*	--	--
Terral-REV 28HR20	4,6,8,10	35033	19.5	1	233.8*	--	--
Belle 1511C	11,12	34047	18.1	0	231.6*	--	--
Terral-REV 26R60	4,6,8,10	32124	18.5	0	230.5*	--	--
Mycogen 2A720	7	32158	16.8	0	227.4*	--	--
DEKALB DKC67-87 (RR2/YGCB	11	31494	18.6	0	226.8*	202.2	214.5
Stine M-913C-10	2,5,11,12	33039	17.1	0	226.0*	226.6	226.3
Pioneer P2023HR	6,8,10	34809	19.3	0	225.7*	--	--
NK N78N-3000GT	6	33246	17.7	0	224.9*	--	--
Channel 216-63VT3 Brand	6	32384	19.0	0	224.7*	--	--
Pioneer 33F87 (HX1/LL/RR2	6,8,10	33953	18.2	0	222.0*	--	--
Great Heart HT-297VT3	11	32976	17.4	0	221.4*	248.7*	235.1
Dyna-Gro 58V50	3,12	32725	20.8	1	221.1*	--	--
Dairyland 9313	2,5,11	33630	17.3	0	220.5*	239.9	230.2
Terral-REV 26HR50	4,6,8,10	31624	21.2	0	219.5*	--	--
Pioneer P1253HR	6,8,10	32712	15.3	0	219.5*	--	--
Pioneer 33N58 (HX1/LL/RR2	6,8,10	32694	17.3	0	219.2*	264.4*	241.8
Terral-REV 28R30	4,6,8,10	31044	20.5	0	218.5*	--	--
Belle 1655VT3	6,8	33362	18.1	0	218.0*	--	--
Belle BX921VT3	11,12	33594	17.4	0	218.0*	--	--
Merschman M-816A-10	2,5,11,12	33632	21.3	0	217.6*	--	--
Merschman M-814B-10	2,5,11,12	33813	17.2	0	217.1*	--	--
Dyna-Gro 57V21	3,11	33924	19.0	0	216.3*	229.3	222.8
Belle BX992CV	11,12	33628	18.1	0	216.2*	--	--
AgriGold A6479VT3	11	32720	15.9	0	216.1	210.0	213.1
Trisler T-8N52VT3	2,11,12	31493	17.5	2	215.9	--	--
Belle 1646VT3	6,8	32497	17.3	0	215.6	188.5	202.1
Stine 9806VT3	2,5,11,12	33741	18.8	0	215.2	--	--
Belle 1161VT3	11,12	29956	17.3	0	215.1	--	--
AgriGold A6632VT3	11	33244	18.3	0	214.9	246.0*	230.5
Belle 1457VT3	6,8	35394	18.8	0	214.1	--	--
Channel 210-57VT3 Brand	6	33036	13.3	0	213.8	--	--
Pioneer 31P42 (HX1/LL/RR2	6,8,10	31135	17.4	0	213.4	226.6	220.0
Dyna-Gro 57V05	3,12	31698	18.6	0	212.3	205.7	209.0
Croplan 6150 VT3	3,6	31503	16.0	0	212.0	--	--
Terral-REV 25HR39	4,6,8,10	32692	18.5	0	211.7	--	--
Dairyland 9414Q	2,5,11	26204	17.7	0	211.5	--	--
Dairyland 9214Q	2,5,11	32063	18.5	0	211.0	--	--
Belle BX913CV	11,12	34168	15.0	0	210.4	--	--
DEKALB DKC61-69 (VT3)	11	32351	13.6	0	210.3	249.4*	229.9
MFA MORCORN MC4107VT3	6	31419	17.4	1	210.3	--	--
Wyffels W9121	4,8,10	32389	17.7	0	209.6	242.3*	226.0
Mycogen 2V732	7	33609	16.6	0	209.6	--	--
Channel 215-11VT3 Brand	6	33363	14.8	0	208.9	--	--

TABLE 27. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Mycogen 2G847	7	34264	18.7	0	208.9	--	--
AgriGold A6533VT3	11	32803	17.5	0	208.7	--	--
Gateway 6158	10,11	29853	18.0	0	208.3	--	--
Dyna-Gro 58V72	3,11	31194	17.4	0	208.3	--	--
Stine M-911C-10	2,5,11,12	34575	15.1	0	207.7	--	--
Dyna-Gro V5373VT3	3,11	32368	18.8	0	207.0	--	--
Channel 214-25VT3 Brand	6	32632	17.3	0	206.8	--	--
Terral-REV 25HR49	4,6,8,10	32828	16.6	1	206.7	--	--
Gateway 8812VT3	10,11	31643	16.9	0	206.7	--	--
NK N77P-3000GT	6	32110	18.7	5	205.8	--	--
Dyna-Gro 58V24	11	32076	18.4	0	205.6	171.1	188.4
DEKALB DKC64-79 (VT3)	11	34605	17.4	0	205.5	219.3	212.4
NK N73V-3000GT	6	32249	15.6	0	205.3	--	--
Channel 210-61VT3 Brand	6	32753	17.2	0	205.2	--	--
AgriGold A6489VT3	11	34781	17.1	0	204.9	239.0	222.0
AgriGold A6639VT3	11	33766	17.5	1	204.7	--	--
Terral-REV 26HR70	4,6,8,10	32716	17.7	0	204.0	--	--
NK N68B-CB/LL/RW	6	34318	16.7	0	203.8	--	--
Great Heart HT-107RR	11	29904	17.4	0	202.7	--	--
Mycogen 2T699	7	31326	15.5	0	202.2	--	--
Belle 1147VT3	6,8	33281	15.3	0	202.0	219.0	210.5
Wyffels W8681	4,8,10	32470	19.2	0	201.9	229.7	215.8
MFA MORCORN MC4307VT3	6	32555	17.4	0	201.5	--	--
Croplan 7505 VT3	3,6	33390	18.2	0	201.5	--	--
Mycogen 2D771	7	34558	17.7	0	200.8	--	--
DEKALB DKC61-04 (VT3)	11	28017	17.4	0	200.6	--	--
Dairyland 7611	2,5,11	31433	17.5	0	200.4	219.8	210.1
Pioneer 31D59 (HX1/LL/RR2	6,8,10	33198	18.2	0	200.3	--	--
Wyffels W6871	4,8,10	32626	17.1	0	200.3	--	--
Dyna-Gro 57K58	3,12	30834	20.2	0	199.8	197.3	198.6
Trisler T-8A02VT3	2,11,12	32558	15.6	0	199.4	--	--
Gateway 8816VT3	10,11	30628	17.3	2	198.8	--	--
Dyna-Gro V52R76	3,12	30859	15.5	0	198.8	--	--
Dyna-Gro 57V44	3,12	30440	15.8	0	198.6	204.9	201.8
Dairyland 7615	2,5,11	32470	18.1	0	197.7	194.2	196.0
Trisler T-7N51VT3	2,11,12	32454	17.0	0	197.5	226.6	212.1
Trisler T-7A14VT3	2,11,12	33696	17.2	0	195.5	--	--
Channel 213-32VT3 Brand	6	28436	17.7	0	195.4	--	--
DEKALB DKC68-06 (RR2/YGCB	11	28378	20.1	0	194.2	--	--
Belle 1545VT3	6,8	32989	18.2	0	194.2	208.4	201.3
MFA MORCORN MC4507VT3	6	31582	17.5	0	191.9	235.1	213.5
Dyna-Gro 57V40	3,11	28299	16.9	0	191.8	--	--
AgriGold A6633VT3	11	32775	18.3	0	189.6	192.2	190.9
Gateway 7158	10,11	32853	17.7	2	189.5	--	--
Dairyland 9009	2,5,11	30794	14.8	0	187.4	235.3	211.4

TABLE 27. Continued.

Brand-Variety	Seed Treatment [+]	2009 Plant Population	2009 Moisture	2009 Lodging	Yield 2009	Yield 2008	Yield 2 Yr. Mean
		(no./acre)	(%)	(%)	----------bu/acre----------		
Great Heart HT-317VT3	11	32078	19.0	0	184.8	223.5	204.2
Gateway 8213HXX/LL	10,11	31941	19.1	0	183.4	--	--
Dairyland 9810	2,5,11	32908	15.7	0	182.7	--	--
TEST AVERAGE		**32408**	**17.6**	**0**	**209.0**	**219.3**	**214.2**
L.S.D. AT .10		**3249**	**2.1**	**1**	**20.6**	**29.1**	
C.V. %		**7.3**	**8.5**		**7.1**	**9.4**	

-- Data not available.
** Highest yielding hybrid in the test.
* Yield not significantly less than the highest yielding hybrid in the test.
+ Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)

TABLE 28. Performance Summary for Irrigated Hybrids evaluated at Two Southeast Missouri locations (Oran, Charleston) during 2009.

Oran	Charleston
Planted: 04-23	Planted: 04-24
Harvested: 09-17	Harvested: 09-17
Growing Season Rainfall: 16.8	Growing Season Rainfall: 24.0
Irrigation: 8.0	Irrigation: 12.3

	Yield (Bu/Acre)		
Brand-Hybrid	Oran	Charleston	Mean
Pioneer 33D49 (HX1/LL/RR2	289.9**	236.8**	263.3**
Pioneer P2023HR	284.5*	225.7*	255.1*
Terral-REV 28HR20	274.8*	233.8*	254.3*
Terral-REV 28R30	287.3*	218.5*	252.9*
Terral-REV 26R60	273.1*	230.5*	251.8*
Dyna-Gro 57V21	280.8*	216.3*	248.5*
Mycogen 2A720	264.8	227.4*	246.1
Belle 1511C	258.6	231.6*	245.1
Belle 1457VT3	274.3*	214.1	244.2
Pioneer 31D59 (HX1/LL/RR2	287.3*	200.3	243.8
Pioneer 31P42 (HX1/LL/RR2	272.2*	213.4	242.8
Croplan 6818 VT3	248.5	234.6*	241.6
NK N68B-CB/LL/RW	279.1*	203.8	241.4
Dairyland 9313	262.1	220.5*	241.3
Belle BX921VT3	264.3	218.0*	241.1
AgriGold A6533VT3	273.0*	208.7	240.8
Wyffels W8681	279.5*	201.9	240.7
Dairyland 9214Q	270.3*	211.0	240.6
Terral-REV 26HR70	277.2*	204.0	240.6
AgriGold A6632VT3	263.8	214.9	239.3
NK N78N-3000GT	253.6	224.9*	239.2
Belle 1161VT3	262.9	215.1	239.0
Terral-REV 26HR50	257.3	219.5*	238.4
DEKALB DKC64-79 (VT3)	271.1*	205.5	238.3
Stine 9806VT3	260.6	215.2	237.9
Gateway 6158	266.1	208.3	237.2
Belle 1655VT3	256.4	218.0*	237.2
Dyna-Gro 58V50	252.8	221.1*	237.0
Dyna-Gro V5373VT3	266.6*	207.0	236.8
Terral-REV 25HR39	261.8	211.7	236.7
Stine M-913C-10	247.3	226.0*	236.6
Trisler T-8N52VT3	257.3	215.9	236.6
Pioneer 33N58 (HX1/LL/RR2	253.5	219.2*	236.3
Dairyland 9414Q	260.7	211.5	236.1
Merschman M-816A-10	251.3	217.6*	234.4
Channel 214-25VT3 Brand	262.0	206.8	234.4
Great Heart HT-297VT3	246.1	221.4*	233.8
Channel 210-57VT3 Brand	253.2	213.8	233.5
Channel 216-63VT3 Brand	241.0	224.7*	232.8
Channel 215-11VT3 Brand	256.5	208.9	232.7
DEKALB DKC67-87 (RR2/YGCB	237.8	226.8*	232.3
Merschman M-814B-10	247.0	217.1*	232.0
Belle BX992CV	247.5	216.2*	231.8
Terral-REV 25HR49	256.9	206.7	231.8
Mycogen 2V732	253.1	209.6	231.4
Dyna-Gro 58V72	253.1	208.3	230.7
Wyffels W6871	260.9	200.3	230.6

Table 28. Continued.

Brand-Hybrid	Yield (Bu/Acre) Oran	Charleston	Mean
Pioneer P1253HR	241.1	219.5*	230.3
Dyna-Gro 58V24	254.7	205.6	230.2
Stine M-911C-10	251.0	207.7	229.3
MFA MORCORN MC4107VT3	247.6	210.3	229.0
NK N77P-3000GT	251.8	205.8	228.8
Belle 1646VT3	241.1	215.6	228.4
AgriGold A6639VT3	250.6	204.7	227.6
Pioneer 33F87 (HX1/LL/RR2	233.2	222.0*	227.6
Channel 210-61VT3 Brand	249.3	205.2	227.2
NK N73V-3000GT	248.7	205.3	227.0
DEKALB DKC68-06 (RR2/YGCB	259.4	194.2	226.8
Gateway 8812VT3	246.7	206.7	226.7
DEKALB DKC61-69 (VT3)	243.0	210.3	226.6
Croplan 6150 VT3	241.3	212.0	226.6
Gateway 8816VT3	254.4	198.8	226.6
Mycogen 2D771	251.7	200.8	226.2
Mycogen 2T699	249.6	202.2	225.9
Trisler T-8A02VT3	252.3	199.4	225.8
Dyna-Gro 57V40	259.8	191.8	225.8
MFA MORCORN MC4307VT3	250.0	201.5	225.8
Dyna-Gro 57V44	252.8	198.6	225.7
Belle 1545VT3	256.8	194.2	225.5
AgriGold A6479VT3	234.3	216.1	225.2
Trisler T-7A14VT3	253.3	195.5	224.4
Dyna-Gro 57K58	245.5	199.8	222.6
AgriGold A6489VT3	240.2	204.9	222.5
Dyna-Gro 57V05	232.4	212.3	222.3
MFA MORCORN MC4507VT3	251.3	191.9	221.6
Dairyland 9810	260.3	182.7	221.5
Dairyland 7611	242.4	200.4	221.4
Belle 1147VT3	237.7	202.0	219.8
Trisler T-7N51VT3	240.8	197.5	219.2
Channel 213-32VT3 Brand	239.2	195.4	217.3
Wyffels W9121	224.9	209.6	217.2
Gateway 8213HXX/LL	249.2	183.4	216.3
Belle BX913CV	221.6	210.4	216.0
DEKALB DKC61-04 (VT3)	230.7	200.6	215.6
Mycogen 2G847	221.3	208.9	215.1
Gateway 7158	240.2	189.5	214.8
Dairyland 9009	238.5	187.4	212.9
Dyna-Gro V52R76	223.5	198.8	211.2
Dairyland 7615	222.9	197.7	210.3
Croplan 7505 VT3	218.1	201.5	209.8
AgriGold A6633VT3	217.2	189.6	203.4
Great Heart HT-317VT3	214.8	184.8	199.8
Great Heart HT-107RR	191.9	202.7	197.3
TEST AVERAGE	**252.0**	**209.0**	**230.5**
L.S.D. AT .10	**23.6**	**20.6**	**15.9**
C.V. %	**6.7**	**7.1**	**6.9**

** 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.

Characteristics for Corn Hybrids in 2009 Missouri Corn Tests

Hybrid	Seed Trt	Traits	Mat	Stalk	Herb	Insect	Table Numbers
AgriGold A6456VT3	11		110	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15
AgriGold A6458VT3	11		109	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15
AgriGold A6479VT3	11		112	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 26, 27, 28
AgriGold A6489VT3	11	HFS	112	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 26, 27, 28
AgriGold A6533VT3	11		113	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 26, 27, 28
AgriGold A6632VT3	11		115	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 26, 27, 28
AgriGold A6633VT3	11		115	2	GR	VT3	26, 27, 28
AgriGold A6639VT3	11		115	2	GR	VT3	26, 27, 28
AgVenture L8950HB	3,6		116	3	LL	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24
AgVenture RL7938HBW	6,8,10		110	2	GR, LL	HXX	2, 3, 4, 5, 6, 7
AgVenture RL8694HBW	6,8,10		114	2	GR, LL	HXX	2, 3, 4, 5, 6, 7
Belle 1147VT3	6,8		111	2	GR	YG,CB,RW	26, 27, 28
Belle 1161VT3	11,12		112	2	GR	YG,CB,RW	26, 27, 28
Belle 1457VT3	6,8		114	2	GR	YG,CB,RW	26, 27, 28
Belle 1511C	11,12		115	2	none	none	26, 27, 28
Belle 1545VT3	6,8		115	2	GR	YG,CB,RW	26, 27, 28
Belle 1646VT3	6,8		116	2	GR	YG,CB,RW	26, 27, 28
Belle 1655VT3	6,8		116	2	GR	YG,CB,RW	26, 27, 28
Belle BX913CV	11,12		113	2	none	none	26, 27, 28
Belle BX921VT3	11,12		112	2	GR	YG,CB,RW	26, 27, 28
Belle BX992CV	11,12		116	2	none	none	26, 27, 28
Burrus 573T	10,11		111	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Channel 208-72VT3 Brand	6		108	3	GR	VT3	2, 3, 4, 5, 6, 7
Channel 209-19VT3 Brand	6		109	3	GR	VT3	13, 14, 15
Channel 209-77VT3 Brand	6		109	2	GR	VT3	2, 3, 4, 5, 6, 7
Channel 210-57VT3 Brand	6		110	3	GR	VT3	2, 3, 4, 5, 6, 7, 26, 27, 28
Channel 210-61VT3 Brand	6		110	2	GR	VT3	26, 27, 28
Channel 213-32VT3 Brand	6		113	3	GR	VT3	26, 27, 28
Channel 213-32VT3 Brand	6		113	3	GR	VT3	2, 3, 4, 5, 6, 7
Channel 214-25VT3 Brand	6		114	3	GR	VT3	9, 10, 11, 12, 26, 27, 28
Channel 215-11VT3 Brand	6		115	2	GR	VT3	9, 10, 11, 12, 26, 27, 28
Channel 216-63VT3 Brand	6		116	4	GR	VT3	26, 27, 28
Channel 216-63VT3 Brand	6		116	4	GR	VT3	13, 14, 15
Croplan 6150 VT3	3,6		111	2	GR	VT3	26, 27, 28
Croplan 6818 VT3	3,6		114	2	GR	VT3	26, 27, 28
Croplan 7505 VT3	3,6		115	2	GR	VT3	26, 27, 28
Dairyland 7611	2,5,11		111	4	GR	YGCB	26, 27, 28
Dairyland 7615	2,5,11		115	3	GR	YGCB	26, 27, 28
Dairyland 9009	2,5,11		109	4	GR	VT3	26, 27, 28
Dairyland 9214Q	2,5,11		114	4	GR, LL	HXX	26, 27, 28
Dairyland 9313	2,5,11		113	2	GR	VT3	26, 27, 28
Dairyland 9414Q	2,5,11		114	2	GR, LL	HXX	26, 27, 28

Dairyland 9810	2,5,11		110	3	GR	VT3	26, 27, 28
DEKALB DKC59-35 (VT3)	11		109	NA	GR	VT3	2, 3, 4, 5, 6, 7
DEKALB DKC61-04 (VT3)	11		111	NA	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28
DEKALB DKC61-69 (VT3)	11		111	4	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28
DEKALB DKC62-54 (VT3)	11		112	NA	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
DEKALB DKC63-42 (VT3)	11		113	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24
DEKALB DKC63-84 (VT3)	11		113	NA	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
DEKALB DKC64-79 (VT3)	11		114	5	GR	VT3	26, 27, 28
DEKALB DKC65-63 (VT3)	11		115	NA	GR	VT3	9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
DEKALB DKC67-87 (RR2/YGCB)	11		117	4	GR	YGCB	26, 27, 28
DEKALB DKC68-06 (RR2/YGCB)	11		118	NA	GR	YGCB	26, 27, 28
Dyna-Gro 57K58	3,12		115	2	GR	none	26, 27, 28
Dyna-Gro 57V05	3,12		115	3	GR	VT3	26, 27, 28
Dyna-Gro 57V07	3,11		113	3	GR	VT3	17, 18, 19, 20, 21, 22, 23, 24
Dyna-Gro 57V21	3,11		115	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28
Dyna-Gro 57V38	3,11		113	4	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20, 21, 22, 23, 24
Dyna-Gro 57V40	3,11		111	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 26, 27, 28
Dyna-Gro 57V44	3,12		111	3	GR	VT3	26, 27, 28
Dyna-Gro 58V24	11		116	3	GR	VT3	26, 27, 28
Dyna-Gro 58V50	3,12		120	2	GR	VT3	26, 27, 28
Dyna-Gro 58V72	3,11		116	2	GR	VT3	17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28
Dyna-Gro V52R76	3,12		110	2	GR	none	26, 27, 28
Dyna-Gro V5373VT3	3,11		113	3	GR	VT3	17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28
Fontanelle 8T339	11		114	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15
Fontanelle 8T416	11		114	4	GR	VT3	2, 3, 4, 5, 6, 7
Fontanelle 8T468	11		114	5	GR	VT3	9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20
Fontanelle 8T639	11		114	4	GR	VT3	17, 18, 19, 20
Fontanelle 8T812	11		115	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20
G2 Genetics 1H-716 HX/LL	4,6,10	FG	116	1	LL	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
G2 Genetics 1H-911 HX/LL	4,6,10	FG	111	2	LL	HX1	2, 3, 4, 5, 6, 7
G2 Genetics 1X-716 HXT/LL	4,6,10	FG	116	1	LL	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
G2 Genetics 5H-015 RR/HX	4,6,10		115	2	GR, LL	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
G2 Genetics 5H-210 RR/HX	4,6,10		110	2	GR, LL	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
G2 Genetics 5H-210A RR/HX	4,6,10		110	2	GR, LL	HX1	2, 3, 4, 5, 6, 7
G2 Genetics 5H-314 RR/HX	4,6,10		114	3	GR	HX1	2, 3, 4, 5, 6, 7
G2 Genetics 5H-511	4,6,10		111	2	GR, LL	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12

RR/HX							
G2 Genetics 5H-511A RR/HX	4,6,10		111	2	GR, LL	HX1	2, 3, 4, 5, 6, 7
G2 Genetics 5H-615 RR/HX	4,6,10		115	2	GR, LL	HX1	2, 3, 4, 5, 6, 7
G2 Genetics 5H-915 RR/HX	4,6,10		115	4	GR, LL	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
G2 Genetics 5X-513 RR/HXT	4,6,10		114	2	GR, LL	HXX	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
G2 Genetics 5X-614 RR/HXT	4,6,10	FG	114	1	GR, LL	HXX	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
G2 Genetics 5X-614A RR/HXT	4,6,10	FG	114	1	GR, LL	HXX	2, 3, 4, 5, 6, 7
G2 Genetics 5X-711 RR/HXT	4,6,10		112	2	GR, LL	HXX	2, 3, 4, 5, 6, 7
G2 Genetics 5X-711B RR/HXT	4,6,10		112	2	GR, LL	HXX	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
G2 Genetics 5X-915 RR/HXT	4,6,10		115	3	GR, LL	HXX	2, 3, 4, 5, 6, 7
Garst 82H82-3000GT	6,8,10		118	2	GR,LL	CB,RW	9, 10, 11, 12, 13, 14, 15
Garst 82R44-3000GT	6,8,10		117	3	GR,LL	CB,RW	21, 22, 23, 24
Garst 83C55-3000GT	6,8,10		114	3	GR,LL	CB,RW	17, 18, 19, 20, 21, 22, 23, 24
Garst 83P07 GT/CB/LL	6,8,10		115	3	GR,LL	CB	9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24
Garst 83S05 CB/LL	6,8,10		114	3	LL	CB	9, 10, 11, 12
Garst 83T94 GT/CB/LL	6,8,10		113	2	GR,LL	CB	9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24
Garst 83X61-3000GT	6,8,10		113	2	GR,LL	CB,RW	13, 14, 15, 21, 22, 23, 24
Garst 84A53 GT/CB/LL	6,8,10		112	4	GR,LL	CB	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20
Garst 84U96-3000GT	6,8,10		112	3	GR,LL	CB,RW	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20
Garst 85R08-3000GT	6,8,10		108	2	GR,LL	CB,RW	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20
Gateway 6158	10,11		115	2	NA	NA	26, 27, 28
Gateway 7158	10,11		115	2	NA	NA	26, 27, 28
Gateway 8213HXX/LL	10,11		113	2	LL	HXX	26, 27, 28
Gateway 8812VT3	10,11		112	3	GR	VT3	26, 27, 28
Gateway 8816VT3	10,11		116	3	GR	VT3	26, 27, 28
Great Heart HT-107RR	11		110	2	GR	VT3Pro	26, 27, 28
Great Heart HT-297VT3	11		112	3	GR	VT3	26, 27, 28
Great Heart HT-317VT3	11	HES	114	3	GR	VT3	26, 27, 28
Hubner H5430 VT3	11,12		109	4	GR	VT3	2, 3, 4, 5, 6, 7
Hubner H5462 VT3	11,12		110	4	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Hubner H5582 VT3	11,12		112	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Hubner H5707 VT3	11,12		114	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Hubner H5828 VT3	11,12		115	2	GR	VT3	9, 10, 11, 12
Kruger K-6010VT3	3,6		110	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24
Kruger K-6013VT3	3,6		112	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Kruger K-6015VT3	3,6		115	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Kruger K-6114VT3	3,6	HFC	114	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Kruger K-6116VT3	3,6		116	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24

Kruger K-6210TS	3,6	110	2	GR	YG+	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24
Kruger K-6213VT3	3,6	112	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Kruger K-6214VT3	3,6	114	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Kruger K-6410VT3	3,6	110	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24
Kruger K-6411VT3	3,6	111	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Kruger K-6412VT3	3,6	112	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Kruger K-6413VT3	3,6	112	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Lewis 1009 VT3	10,11	111	2	GR	VT3	2, 3, 4, 5, 6, 7
Lewis 1012 VT3	10,11	112	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Lewis 1013 VT3	10,11	113	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20
Lewis 813 VT3	10,11	113	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20
Lewis 910 VT3	10,11	110	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20
Lewis 914 VT3	10,11	114	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
LG 2549 VT3	3,11	110	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
LG 2620 VT3	3,11	113	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
LG 2642 VT3	3,11	115	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Merschman M-814B-10	2,5,11,12	114	2	GR	VT3	26, 27, 28
Merschman M-816A-10	2,5,11,12	116	2	GR	VT3	26, 27, 28
Merschman M-909C-10	2,5,11,12	109	2	GR	VT3	2, 3, 4, 5, 6, 7
MFA MORCORN MC4107VT3	6	111	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 26, 27, 28
MFA MORCORN MC4207VT3	6	112	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
MFA MORCORN MC4307VT3	6	113	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 26, 27, 28
MFA MORCORN MC4507VT3	6	115	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 26, 27, 28
MFA MORCORN XP191VT3	6	109	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Midland 417BRW	11	110	2	GR	VT3	17, 18, 19, 20
Midland 436BRW	11	111	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Midland 617BRW	11	113	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Midland 658HL	11	113	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20
Midland 670BRW	11	114	2	GR	VT3	13, 14, 15
Midland 670BRW	12	113	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Midland 779BRW	11	115	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15
Midland 7A58BRW	11	116	3	GR	VT3	21, 22, 23, 24
Mycogen 2A720	7	112	4	GR	VT3	26, 27, 28
Mycogen 2D771	7	115	4	GR	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28
Mycogen 2E696	7	110	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24

Mycogen 2G847	7		116	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28
Mycogen 2H735	7		112	3	GR	NA	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24
Mycogen 2T699	7		110	4	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28
Mycogen 2V732	7		113	4	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28
NK N68B-CB/LL/RW	6		110	3	LL	CB, RW	26, 27, 28
NK N73V-3000GT	6		113	3	GR	CB, RW	26, 27, 28
NK N77P-3000GT	6		114	3	GR	CB, RW	26, 27, 28
NK N78N-3000GT	6		115	3	GR	CB, RW	26, 27, 28
NuTech 0C-213 YGCB	4,6,10		113	1	NA	YGCB	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
NuTech 0C-213A YGCB	4,6,10		113	1	NA	YGCB	2, 3, 4, 5, 6, 7
NuTech 3A-811 RR	11		111	2	GR	NA	2, 3, 4, 5, 6, 7
NuTech 3A-813 RR	11		113	1	GR	NA	2, 3, 4, 5, 6, 7
NuTech 3C-115 RR/YGCB	4,6,10		115	2	GR	YGCB	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
NuTech 3C-413 RR/YGCB	4,6,10		113	3	GR	YGCB	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
NuTech 3T-013 VT3	11		113	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
NuTech 3T-110 VT3	4,6,10		110	3	GR	VT3	2, 3, 4, 5, 6, 7
NuTech 3T-313 VT3	4,6,10		113	1	GR	VT3	2, 3, 4, 5, 6, 7
NuTech 3T-315 VT3	4,6,10		115	2	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
NuTech 3T-413 VT3	4 6,10		113	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
NuTech 3T-612 VT3	11		112	1	GR	VT3	2, 3, 4, 5, 6, 7
NuTech 3T-713 VT3	4,8,10,11		113	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
NuTech 5N-213+ GT/CB/LL/RW	11		113	2	GR, LL	CB, RW	2, 3, 4, 5, 6, 7
Pioneer 31D59 (HX1/LL/RR2)	6,8,10	YFC, HAE, HTF	120	2	GR, LL	HX1	26, 27, 28
Pioneer 31P42 (HX1/LL/RR2)	6,8,10	YFC, HAE, HTF	119	3	GR, LL	HX1	26, 27, 28
Pioneer 33D49 (HX1/LL/RR2)	6,8,10	YFC, HTF, HES	115	5	GR, LL	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24, 26, 27, 28
Pioneer 33F87 (HX1/LL/RR2)	6,8,10	YFC, HTF, HES	114	5	GR, LL	HX1	26, 27, 28
Pioneer 33N58 (HX1/LL/RR2)	6,8,10	YFC, HAE, HTF	113	3	GR, LL	HX1	26, 27, 28
Pioneer 33T57	6,10		113	7	GR	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20
Pioneer 34N62	6,10		113	6	GR	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15
Pioneer 34R67	6,10		109	7	GR	HX1	17, 18, 19, 20, 21, 22, 23, 24
Pioneer 35F40	6,10		105	5	GR	HX1	17, 18, 19, 20, 21, 22, 23, 24
Pioneer 35K03	6,10		106	6	GR	HX1	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Pioneer P1253HR	6,8,10		112	2	GR	HX1	26, 27, 28
Pioneer P2023HR	6,8,10		120	2	GR	HX1	26, 27, 28
Power Plus 5R66	10,11		111	3	GR, LL	HX1	2, 3, 4, 5, 6, 7
Power Plus 6H22	10,11	FG	108	3	GR, LL	HXX	2, 3, 4, 5, 6, 7
Power Plus 7D51	10,11	FG	115	2	GR, LL	HXX	2, 3, 4, 5, 6, 7, 9, 10, 11, 12

Power Plus 8G23	10,11	FG	116	3	GR, LL	HXX	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Producers 7014VT3	11,12		110	2	GR	YGVT	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20, 21, 22, 23, 24
Producers 7254VT3	11,12	FG	112	3	GR	YGVT	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Producers 7394VT3	11,12		113	2	GR	YGVT	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20
Producers 7414VT3	11,12		114	2	GR	YGVT	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20, 21, 22, 23, 24
Producers 7624VT3	11,12		116	2	GR	YGVT	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Rainbow 3105YGCB	1,10		110	3	NA	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 21, 22, 23, 24
Rainbow 3142YGCB	1,10		114	1	NA	YGCB	2, 3, 4, 5, 6, 7, 9, 10, 11, 12
Rainbow 3147YGCB	1,10		114	1	NA	YGCB	2, 3, 4, 5, 6, 7, 13, 14, 15, 21, 22, 23, 24
Rainbow 3157	1,10		115	2	NA	NA	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Rainbow 3158YGCB	1,10		115	2	NA	YGCB	9, 10, 11, 12, 21, 22, 23, 24
Rainbow X1118VT3	10,11		111	1	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 17, 18, 19, 20, 21, 22, 23, 24
Rainbow X1149GT3	6,10		114	2	GR, LL	HXX	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24
Renze 1386VT3	11		115	2	GR	VT3	2, 3, 4, 5, 6, 7
Renze 1399VT3	11		114	4	GR	VT3	2, 3, 4, 5, 6, 7
Renze 1428VT3	11		115	2	GR	VT3	2, 3, 4, 5, 6, 7
Renze 1526VT3	11		117	3	GR	VT3	2, 3, 4, 5, 6, 7
Renze 5347HX1/LL	11		112	2	LL	HX1	2, 3, 4, 5, 6, 7
Renze 5X479HXT/LL	11		114	3	LL	HXX	2, 3, 4, 5, 6, 7
Stine 9623VT3	2,5,11,12		109	2	GR	VT3	2, 3, 4, 5, 6, 7
Stine 9806VT3	2,5,11,12		114	2	GR	VT3	9, 10, 11, 12, 26, 27, 28
Stine M-911C-10	2,5,11,12		111	4	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 26, 27, 28
Stine M-913C-10	2,5,11,12		113	4	GR	VT3	9, 10, 11, 12, 26, 27, 28
Stone 5T128VT3	10,11		105	4	GR	VT3	2, 3, 4, 5, 6, 7, 17, 18, 19, 20
Stone 6T688VT3	10,11		108	4	GR	VT3	2, 3, 4, 5, 6, 7
Stone 7T728VT3	10,11		111	4	GR	VT3	2, 3, 4, 5, 6, 7
Stone 8T212VT3	10,11		114	4	GR	VT3	9, 10, 11, 12, 17, 18, 19, 20
Stone 8T339VT3	10,11		112	3	GR	VT3	17, 18, 19, 20
Stone 8T468VT3	10,11		113	5	GR	VT3	9, 10, 11, 12
Stone 8T597VT3	10,11		115	3	GR	VT3	9, 10, 11, 12
Taylor 1940 VT3	10,11		112	3	GR	VT3	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Taylor 2260 HX	10,11		114	4	LL	HX1	9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24
Taylor EXP C-012-09 VT3	10,11		112	2	GR	VT3	2, 3, 4, 5, 6, 7
Terral-REV 25HR39	4,6,8,10		115	NA	GR, LL	HX1	26, 27, 28
Terral-REV 25HR49	4,6,8,10		115	NA	GR, LL	HX1	26, 27, 28
Terral-REV 26HR50	4,6,8,10		116	NA	GR, LL	HX1	26, 27, 28
Terral-REV 26HR70	4,6,8,10		116	NA	GR, LL	HX1	26, 27, 28
Terral-REV 26R60	4,6,8,10		116	NA	GR	NA	26, 27, 28
Terral-REV 28HR20	4,6,8,10		118	NA	GR, LL	HX1	26, 27, 28
Terral-REV 28R30	4,6,8,10		118	NA	GR	NA	26, 27, 28
Trisler T-7A14VT3	2,11,12		111	3	GR	VT3	26, 27, 28
Trisler T-7N51VT3	2,11,12		112	4	GR	VT3	26, 27, 28
Trisler T-8A02VT3	2,11,12		113	5	GR	VT3	26, 27, 28
Trisler T-8N52VT3	2,11,12		114	4	GR	VT3	26, 27, 28
USA 1145 TR	10,11		114	1	GR	YGPL	13, 14, 15

USA 1149	1,13	114	1	NA	NA	13, 14, 15
Wyffels W6871	4,8,10	110	2	GR	VT3	26, 27, 28
Wyffels W8681	4,8,10	115	2	GR	VT3	26, 27, 28
Wyffels W9121	4,8,10	117	1	GR	VT3	26, 27, 28

***** Descriptions for commercial Hybrids were provided by the companies submitting them for evaluation
NA Data not available
Seed Treatments: 1=Allegience (Metalaxyl); 2=Apron (Metalaxyl); 3=Apron Maxx (Mefenoxam, Fludioxonil); 4=Actellic (Pirimiphos-methyl); 5= Captan; 6= Cruiser (Thiamethoxam); 7= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 8=Cruiser 250 (Thiamethoxam, Azoxystrobin, Fludioxonil, Mefenoxam); 9= Dynasty (Azoxystrobin); 10= Maxim (Fludioxonil); 11=Maxim XL (Fludioxonil, Mefenoxam); 12=Poncho 250 (Clothianidin)
Special Traits: FG = Food Grade; HAE = High Available Energy; HES = High Extractable Starch;HFC = High Fermentable Corn; HFS = High Fermentable Starch; HTF = High Total Fermentables;
Maturity Days: Relative Maturity
Stalk Rating: 1 = excellent; 5 = average; 9 = poor
Herbicide Resistance: GR = Glyphosate Resistance; LL = Liberty Link Resistance
Insect Resistance: CB = Agrisure CB; HX1 = Herculex 1; HXX = Herculex Xtra; RW = Rootworm; VT3 = YieldGard VT; YGVT = YieldGard VT;YG = YieldGard; YGCB = YieldGard Corn Borer

Brand	Company and Address	Phone	URL
AgriGold	AgriGold Hybrids, RR 1 Box 203, St. Francisville, IL 62460	618-943-5776	agrigold.com
AgVenture	AgVenture, PO Box 991, Chillicothe, MO 64601	660-646-6724	
AgVenture	AgVenture, 5800 Cavvy Rd, Lincoln, NE 68516	402-560-3086	
Belle Southern	Belle Southern Hybrids, PO Box 178 , Fisher, AR 72429	870-579-2286	bellecorn.com
Burrus	Burrus Hybrids, 826 Arenzville Rd., Arenzville, IL 62611	217-997-5511	burrusseed.com
Croplan Genetics	Croplan Genetics, 969 Cloverleaf Dr, Southaven, MS 38671	907-652-0903	
Crows	Channel Bio, PO Box 157, Kentland, IN 47951	800-331-7201	channelbio.com
Dairyland	Dairyland Seed Co., PO Box 958, West Bend, WI 53095	608-676-2237	dairylandseed.com
Dekalb	Monsanto Co, 800 N. Lindbergh Blvd., St. Louis, MO 63167	815-754-4809	monsanto.com
Dyna-Gro	Crop Production Services, 57 Germantown Court, Suite 200, Cordova, TN 38018	901-755-7566	uap.com
Dyna-Gro	Crop Production Services, 17410 Pike 291, Bowling Green, MO 63334	573-324-2423	uap.com
Fontanelle	Fontanelle Hybrids, 1955 E Military Ave, Fremont, NE 68025	402-721-1410	fontanelle.com
G2 Genetics	G2 Genetics, 415 S Duff, Suite C, Ames, IA 50010	515-232-1997	yieldleader.com
Garst	Garst Seed Co, 29619 S State DD Hwy, Harrisonville, MO 64701	816-380-3093	garstseed.com
Gateway	Gateway Seed Co, 5517 Van Buren Rd., Nashville, IL 62263	618-327-8000	gatewayseeds.com
Great Heart Seed	Great Heart Seed, 220 W. Washington, Paris, IL 61944	217-465-4132	greatheartseed.com
Hubner Seed	Hubner Seed, 10280 West SR 28, 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 Seeds	LG Seeds, 22827 Shissler Rd., Elmwood, IL 61529	309-945-3105	lgseeds.com
Merschman	Merschman Seeds, Inc., 103 Ave. D, PO Box 67, West Point, IA 52656	319-837-6111	merschmanseeds.com
MFA Inc.	MFA Inc., 201 Ray Young Dr, Columbia, MO 65201	573-876-5482	mfa-inc.com
Midland	Midland Genetics, 1906 Kingman Rd., Ottawa, KS 66067	785-242-3598	midlandgenetics.com
Midwest Seed Genetics	Channel Bio, PO Box 518, Carroll, IA 51401	800-369-8218	channelbio.com
Mycogen	Mycogen Seeds, 9330 Zionsville Rd., Indianapolis, IN 46268	573-228-2358	mycogenseeds.com

NK Brand	NK Syngenta, 7500 Olsen Memorial Highway, Golden Valley, MN 55427	318-396-7037	syngenta.com
NuTech Seed	NuTech Seed, 415 S Duff, Suite C, Ames, IA 50010	515-232-1997	yieldleader.com
Pioneer	Pioneer Hi-Bred Int., 8850 NW 62nd, PO 7000, Johnston, IA 50131	515-270-3939	pioneer.com
Pioneer	Pioneer Hi-Bred Int., 700 Boulevard South, Suite 302, Huntsville, AL 35802	800-331-2475	pioneer.com
Producers	Producers Hybrids, 54542 840th Rd.,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, Inc., 27410 Kittyhawk Ave., Carroll, IA 51401	800-634-2676	renzehybrids.com
Stone	Stone Seed, 5965 W State Rt. 97, Pleasant Plains, IL 62677	217-546-8006	stoneseed.com
Taylor Seed	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	800-551-4852	terralseed.com
Trisler Seed	Trisler Seeds, 3274 E 800 North Rd, Fairmount, IL 61841	217-288-9301	trisler.com
U.S.A. Hybrids	United Seed Associates, 28797 Bowman Rd, Defiance, OH 43512	419-395-2646	
Wyffels Seed	Wyffels Hybrids, 13344 US Hwy 6, Geneseo, IL 61254	800-369-7833	wyffels.com