

# **CORN** 2001 Missouri Crop Performance



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## Missouri 2001 Corn Performance Trials

This report is a contribution of the Department of Agronomy and the University of Missouri Agricultural Experiment Station. The work was supported by fees provided by companies submitting hybrids for evaluation. The University of Missouri's hybrid performance testing program began in the mid-1930's, with results first published in 1937. The number of entries in the program has grown from fewer than 50 in the early years to 203 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 trials is the test of least significant difference (L.S.D.) The L.S.D. is simple to apply. When two entries are compared and the difference between them is greater than the L.S.D, the entries are considered to be significantly different. Differences smaller than the L.S.D may have occurred by chance and are considered non-significant.

Hybrid performance may seem inconsistent from location to location and from year to year. The factors for these differences are rainfall, temperatures, soil fertility, diseases, insects, and other factors. To obtain an improved estimate of relative hybrid performance, readers should consider results from more than one location or year. In this publication, the authors have tried to facilitate comparisons across years and locations. In each trial, 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 trial. By going across, readers can evaluate the relative performance of a hybrid during several years or at several locations. From the standpoint of yield, the most desirable hybrids will be those that are among the "top yielding" hybrids the greatest number of times.

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

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

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Special recognition is given to Rick Bottoms and Steve Norberg for conducting the Extension trials in Northern Missouri.

## Experimental Procedures

Entries: All producers of hybrid seed were eligible to enter the 2001 corn evaluation trials. 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. Preplant fertilizer was applied at each site at the discretion of the farmer or the station manager. Pre-emergence herbicides were used to control weeds, and additional hand weeding was done as required. Management details varied from location to location and are specified after the heading on each table of results.

Data Recorded: Cornstalks of non-Bt hybrids were split to survey the natural infestation of European corn borer. Counts were taken on border rows of the trial for a random survey. Survey results are provided in the heading of each table. Plant stands were recorded near the time of tasseling. 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 of 15.5 percent.

Accessibility of Data: The results of the 2001 Crop performance trials are also available online at <http://agebb.missouri.edu/cropperf/>. 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 standard non-irrigated and irrigated tests. All non-irrigated and irrigated tests were arranged in lattice field plot designs with three replications. 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 trials were located in the northern, central, southwestern and southeastern regions of the state. Trial locations are shown on the adjacent map. In 2001, the locations for these trials were:

Graves Exp. Center near Corning in Atchison/Holt Co.;  
Hundley-Whaley Farm near Albany in Gentry Co.;  
Gene Millard farm near Osborn in Dekalb Co.;  
Greenley Memorial Center near Novelty in Knox Co.;  
Roger Tieman farm near LaGrange in Lewis Co.;  
John Williams farm near Henrietta in Ray Co.;  
Frank Swisher farm near Marshall in Saline Co.;  
Agronomy Research Center near Columbia in Boone Co.;  
Jake Freyer farm near Laddonia in Audrain Co.;  
Roy Cope farm near Truxton in Montgomery Co.;  
Bob Burkemper farm near Annada in Pike Co.;  
Dennis Roth farm near Garden City in Cass Co.;  
Ron Bean farm near Lamar in Barton Co.;  
Glenn Nothdurft farm near Oran in Scott Co.;  
Dale Glenn farm near Charleston in Mississippi Co.



## Summary of Results

Results are presented by region within the state. For each location, data on final plant stand, lodging, moisture at harvest, and yield adjusted for moisture is given for each hybrid. Because harvest was delayed until the late hybrids in the test were mature, moisture differences among many of the early maturing entries may be small. In this report, hybrids are ranked according to yield. When hybrids having similar yields differ greatly in percent moisture, it may indicate that these hybrids differ in maturity classification or dry-down rate.

Corn hybrids were evaluated in ten non-irrigated, six irrigated, two Roundup Ready non-irrigated and one white non-irrigated tests in 2001. Management was as uniform as possible across locations. Growing season (April-August) rainfall and irrigation applied at each location are shown on individual data tables.

TABLE 1. Performance of Non-irrigated Corn Hybrids evaluated by Extension near Corning (Actihson/ Holt Counties) on the Graves Experiment Center during 1998, 2000-2001.

Planted: 26 April 2001  
 Harvested: 4 October 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Haynie Silt Loam  
 Soil Test: pH=6.0, OM=4.8, P=56, K=816

Fertilizer: N=200, P205=50, K2O=0  
 Herbicide: Pre: Touchdown, Bicep II Magnum  
 Post: Accent, Northstar  
 Insecticide: Lorsban  
 Tillage: None  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=N/A, Tunnel Length/Plant=N/A in.

Growing Season Rainfall: Apr.=1.9, May=1.9, June=6.3, July=4.4, Aug.=1.0 TOTAL=15.5 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1998		
<b>Non-Irrigated Corn</b>								
Mycogen 2833	23715	17.9	10	194.3**	144.0	--	169.2	--
Merschman M-00111	23551	13.6	15	193.8*	143.3	--	168.6	--
Middlekoop 912	23431	14.3	14	192.9*	145.2	172.9	169.1	170.3
NC+ 5169	23813	14.1	12	190.2*	128.9	--	159.6	--
Rainbow Seeds 3175YG	23183	18.5	8	188.6*	151.7*	--	170.2	--
Middlekoop 1216	23252	14.9	9	186.8*	156.8*	--	171.8	--
Golden Harvest/H-9164Bt	24791	13.7	6	186.3*	--	--	--	--
Crows 5165B	23892	16.0	10	184.6*	--	--	--	--
Hawkeye Hybrids SX76	22858	16.7	23	183.6*	155.4*	214.9*	169.5	184.6
Pioneer hybrid 33R77	23417	16.6	5	183.0*	--	--	--	--
Rainbow Seeds 3167	24099	17.5	7	181.8*	--	--	--	--
Vigoro V55Y21	23998	17.2	12	179.6*	--	--	--	--
Kruger K-9217Bt	24247	18.1	11	178.8*	--	--	--	--
Asgrow RX730YG	22350	17.9	14	178.6*	--	--	--	--
Stone SX-E3K	23643	14.7	6	178.4*	--	--	--	--
Crows 6121	21875	15.9	9	177.3*	--	--	--	--
LG Seeds LG2587	23883	13.9	14	177.1*	--	167.6	--	--
Asgrow RX828YG	23936	16.0	7	176.3*	--	--	--	--
Fontanelle 5721	22542	16.3	9	176.1*	--	--	--	--
Pioneer hybrid 33P67	22992	15.5	7	176.0*	132.9	--	154.5	--
Merschman M-9114	22990	17.8	18	175.7*	151.3*	--	163.5	--
Merschman M-00113	24458	15.0	8	175.7*	--	--	--	--
Golden Harvest H-9229	24954	13.9	28	173.9*	131.3	--	152.6	--
Kruger K-9912CL	23155	14.7	13	172.3*	--	--	--	--
Freedom 5555	23440	15.5	8	171.8*	129.6	177.6	150.7	159.7
AgriGold A6545	24305	15.1	10	171.7*	--	--	--	--
Kruger K-9217	23755	16.5	10	171.1*	--	--	--	--
LG Seeds LG2585	24390	13.3	14	170.8*	--	--	--	--
Burrus 515	24798	12.8	13	169.8*	--	--	--	--
Golden Harvest/H-9533Bt	24220	20.0	12	169.6*	153.4*	--	161.5	--
Wilson 1788	24111	17.4	9	169.5*	--	--	--	--
Burrus 663	25046	15.0	14	169.2*	140.4	--	154.8	--
Middlekoop 1214	24208	14.5	9	167.5	155.7*	--	161.6	--
Lewis 4830	24162	16.4	9	167.3	--	--	--	--
US Seeds US E1122Bt	24870	15.4	10	167.1	--	--	--	--
Stone SX-M7	23310	16.3	10	166.9	--	--	--	--
Burrus 440	24569	13.6	15	166.8	141.0	--	153.9	--
AgriGold A6675	24130	16.1	19	166.4	--	--	--	--
Pioneer hybrid 34M95	25123	13.5	9	165.8	--	--	--	--
NC+ 6359	23824	15.9	7	165.3	--	--	--	--

TABLE 1. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000	1998		
Stine 9614Bt	22131	15.7	8	165.1	--	--	--	--
Burrus 569	24169	16.0	7	165.1	150.4	--	157.8	--
Kruger K-9114	24091	15.1	13	164.6	135.7	--	150.2	--
Garst 8327IT	22716	16.6	12	163.7	--	--	--	--
Kruger K-9114Bt	23612	16.4	9	163.3	--	--	--	--
Kruger K-9117	23988	17.1	7	163.1	146.8	--	155.0	--
Kruger Ex.214-1	23507	14.7	10	162.9	--	--	--	--
Garst 8301	19673	16.2	17	162.2	--	--	--	--
Hawkeye Hybrids SX51	24775	15.0	9	162.1	--	--	--	--
Merschman M-00114	22789	16.6	7	162.0	--	--	--	--
Dekalb DKC65-26	24497	16.8	5	161.8	--	--	--	--
Middlekoop 1014	22388	16.1	8	161.4	--	159.2	--	--
Pioneer Hybrid 33G30	24676	13.7	11	161.3	--	--	--	--
NC+ 5051	23000	14.5	7	160.8	--	--	--	--
Dekalb DKC60-15	23281	15.4	6	160.8	--	--	--	--
Pioneer hybrid 34B24	23930	14.7	9	160.7	--	--	--	--
NK Brand N79-L3	24735	17.6	10	160.2	150.9	--	155.6	--
Burrus 664Bt	23594	16.2	14	159.4	147.2	--	153.3	--
Pioneer hybrid 31G98	23311	14.3	18	159.2	--	--	--	--
Lewis 4740	24375	13.3	11	159.1	--	--	--	--
Freedom Ex. 645	23926	14.5	12	158.2	--	--	--	--
Vigoro V5400	21233	15.0	5	157.1	147.7	--	152.4	--
Kruger K-9013+Bt	22244	13.5	11	157.0	140.5	--	148.8	--
LG Seeds LG2595	24183	12.7	7	156.5	--	--	--	--
Kruger Ex.9212Bt	24481	14.3	10	155.8	--	--	--	--
Renze 6462	22903	17.4	4	155.8	--	--	--	--
Fontanelle 5800	22270	20.4	11	155.3	155.0*	--	155.2	--
Asgrow RX740	24733	15.9	10	155.1	145.9	--	150.5	--
Dekalb DKC63-03	22378	13.1	4	154.8	--	--	--	--
Nk Brand N72-J5	23149	15.6	9	154.6	--	--	--	--
Nk Brand N7070Bt	22436	14.5	16	153.0	156.8*	--	154.9	--
Golden Harvest/H-9216	25898	15.9	12	152.7	--	--	--	--
Kruger K-9014+Bt	24432	13.8	12	152.5	--	--	--	--
Garst 8484Bt	23356	16.0	8	151.7	--	--	--	--
US Seeds US C1141	23477	15.4	10	150.5	--	--	--	--
LG Seeds LG2601	24139	15.7	13	149.7	--	--	--	--
NK Brand N67-T4	23537	15.0	12	149.6	135.2	--	142.4	--
Stine 9803	20729	17.5	8	148.9	--	--	--	--
Mycogen 7821Bt	22418	16.2	13	148.8	162.9*	--	155.9	--
Fontanelle 5591	21858	16.7	5	148.0	--	--	--	--
Fontanelle HC-7747Bt	22453	16.7	12	148.0	158.7*	--	153.4	--
Golden Harvest H-9012	22153	13.1	10	147.5	--	--	--	--
Merschman M-00112	21983	15.9	8	147.4	--	--	--	--
Fontanelle 5281	23313	15.5	11	147.2	151.1	--	149.2	--
Lewis 5360Bt	27378	13.9	14	147.1	--	--	--	--

TABLE 1. Continued.

Brand-Hybrid	Plants (#/Acre)	Moisture (%)	Lodging (%)	Yield (Bu / Acre)			Means	
				2001	2000	1998	2 Yr.	3 Yr.
Middlekoop 1213	23353	14.9	9	145.5	--	--	--	--
Middlekoop 3314Bt	24301	16.1	8	144.7	--	--	--	--
Kruger Ex.215-1	22303	15.5	10	143.8	--	--	--	--
Burrus 582	22666	14.2	6	139.6	--	--	--	--
Golden Harvest H-8906	22812	13.3	15	136.3	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>23545</b>	<b>15.5</b>	<b>10</b>	<b>164.6</b>	<b>141.9</b>	<b>174.1</b>	<b>153.3</b>	<b>160.2</b>
<b>L.S.D. AT .10</b>	<b>1982</b>	<b>1.3</b>	<b>NS</b>	<b>25.2</b>	<b>14.9</b>	<b>28.6</b>		
<b>C.V. %</b>	<b>5.9</b>	<b>5.9</b>		<b>10.7</b>	<b>7.7</b>	<b>12.2</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

TABLE 2. Performance of Non-Irrigated Corn Hybrids evaluated by Extension near Albany (Gentry County) on the Hundley-Whaley Farm during 1999-2001.

Planted: 16 May 2001  
 Harvested: 9,11,12 October 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Grundy Silt Loam  
 Soil Test: pH=6.2, OM=3.1, P=64, K=294

Fertilizer: N=180; P<sub>2</sub>O<sub>5</sub>=0; K<sub>2</sub>O=80  
 Herbicide: Pre: Bicep II Magnum, Balance  
 Post: None  
 Insecticide: Warrior  
 Tillage: Conventional  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=76%, Tunnel Length/Plant=6.6 in.

Growing Season Rainfall: Apr.=1.8, May=4.6, June=7.5, July=7.2, Aug.=1.3 TOTAL=22.4 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>Non-Irrigated Corn</b>								
Golden Harvest/H-9164Bt	25082	18.7	3	177.9**	--	--	--	--
Mycogen 2833	25115	21.4	1	175.5*	143.6	--	159.6	--
Rainbow Seeds 3175YG	24405	23.0	4	173.8*	117.9	--	145.9	--
Crows 5165B	25376	21.1	4	171.4*	--	--	--	--
Pioneer hybrid 34B24	24867	19.9	3	171.3*	--	--	--	--
Vigoro V55Y21	24729	21.2	8	171.2*	--	--	--	--
Burrus 664Bt	25446	20.5	3	170.5*	110.1	--	140.3	--
Pioneer hybrid 34M95	24641	19.5	1	169.3*	--	--	--	--
Asgrow RX730YG	23827	21.3	4	167.2*	--	--	--	--
Merschman M-9114	25329	22.5	7	166.6*	146.5**	--	156.6	--
Fontanelle HC-7747Bt	23520	20.7	5	164.2*	125.6	--	144.9	--
Kruger K-9114Bt	24568	20.7	11	161.3*	--	--	--	--
Pioneer hybrid 33P67	22268	21.7	1	160.6*	139.5	102.0	150.1	134.0
Middlekoop 3314Bt	24536	20.9	4	160.6*	--	--	--	--
Dekalb DKC65-26	26181	21.1	2	160.0*	--	--	--	--
NK Brand N67-T4	26612	20.4	0	159.7*	146.3	--	153.0	--
Asgrow RX828YG	24659	21.4	5	158.1	--	--	--	--
NK Brand N79-L3	25049	22.7	13	157.2	133.5	86.6	145.4	125.8
Nk Brand N7070Bt	24266	21.4	1	157.2	125.9	84.9	141.6	122.7
Kruger K-9014+Bt	25654	19.3	1	156.3	--	--	--	--
Mycogen 7821Bt	25866	21.4	16	155.7	123.1	80.5	139.4	119.8
Garst 8484Bt	25019	21.3	0	155.4	--	--	--	--
Kruger K-9217	24698	21.3	11	153.9	--	--	--	--
Kruger K-9013+Bt	22983	19.6	4	153.2	137.9	117.8*	145.6	136.3
Golden Harvest/H-9533Bt	25003	22.9	3	152.1	98.8	--	125.5	--
Lewis 5360Bt	24505	20.7	10	150.6	--	--	--	--
Kruger K-9217Bt	24498	20.7	7	150.4	--	--	--	--
Stine 9614Bt	25394	22.1	21	149.0	--	--	--	--
Merschman M-00113	25621	18.1	13	148.5	--	--	--	--
Burrus 569	25776	18.1	17	145.8	131.7	--	138.8	--
Stine 9803	24729	20.1	18	145.3	--	--	--	--
Merschman M-00112	24494	21.9	14	143.2	--	--	--	--
Kruger Ex.9212Bt	27291	18.7	4	142.9	--	--	--	--
Wilson 1788	25129	19.3	11	141.2	--	--	--	--
LG Seeds LG2595	24645	19.0	13	139.1	--	--	--	--
US Seeds US E1122Bt	26101	19.3	6	137.2	--	--	--	--
Kruger K-9114	24055	19.6	24	137.1	138.0	--	137.6	--
Middlekoop 1214	24829	18.9	21	136.9	130.8	--	133.9	--
Dekalb DKC63-03	23553	17.7	24	135.8	--	--	--	--
Pioneer Hybrid 33G30	22805	19.8	3	134.1	--	--	--	--

TABLE 2. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
LG Seeds LG2585	25643	19.3	18	134.0	--	--	--	--
Fontanelle 5591	23867	19.5	13	131.8	--	--	--	--
Fontanelle 5800	24621	21.3	24	131.4	145.7	--	138.6	--
Renze 6462	22083	20.0	16	130.9	--	--	--	--
Stone SX-M7	24280	19.2	21	130.5	--	--	--	--
Kruger K-9912CL	26215	18.8	19	130.0	--	--	--	--
Golden Harvest H-9229	23132	18.0	17	129.4	124.9	103.1	127.2	119.1
Golden Harvest H-8906	24390	18.0	22	129.1	--	--	--	--
Dekalb DKC60-15	23029	19.4	14	128.5	--	--	--	--
Pioneer hybrid 31G98	24999	20.7	34	128.2	--	--	--	--
Asgrow RX740	25320	19.2	28	127.5	127.8	119.3*	127.7	124.9
AgriGold A6545	25055	19.6	25	127.2	--	--	--	--
NC+ 6359	23748	19.1	12	126.8	--	--	--	--
LG Seeds LG2587	23405	17.7	24	126.7	--	103.1	--	--
Rainbow Seeds 3167	24076	19.8	23	125.9	--	--	--	--
Hawkeye Hybrids SX76	24963	19.7	14	125.6	143.8	105.8	134.7	125.1
Kruger K-9117	24869	19.5	21	124.7	124.8	--	124.8	--
Nk Brand N72-J5	23654	18.4	34	124.6	--	--	--	--
Burrus 515	24917	15.9	20	124.1	--	--	--	--
Burrus 440	24896	17.5	29	123.4	139.5	--	131.5	--
Merschman M-00111	24500	18.2	19	122.4	135.3	--	128.9	--
Burrus 663	24926	17.7	19	121.4	130.4	--	125.9	--
NC+ 5169	24521	18.6	22	121.4	125.1	--	123.3	--
Golden Harvest H-9012	24934	17.1	18	120.8	--	--	--	--
NC+ 5051	24824	19.3	18	118.6	--	--	--	--
Middlekoop 1014	24593	18.8	10	118.4	--	83.4	--	--
Garst 8327IT	23759	20.3	21	117.8	--	--	--	--
Freedom Ex. 645	25124	19.9	40	117.7	--	--	--	--
Middlekoop 1213	25056	17.9	15	117.5	--	--	--	--
Vigoro V5400	22368	17.2	29	117.1	126.8	--	122.0	--
Middlekoop 912	25391	16.6	22	115.5	122.2	--	118.9	--
Golden Harvest/H-9216	25709	19.4	23	115.4	--	--	--	--
Garst 8301	23517	20.3	30	115.3	--	--	--	--
Freedom 5555	24960	19.6	17	114.6	134.8	--	124.7	--
Hawkeye Hybrids SX51	24568	18.7	28	114.0	--	--	--	--
Pioneer hybrid 33R77	23422	17.5	16	113.0	--	--	--	--
US Seeds US C1141	24337	17.3	27	112.9	--	--	--	--
Kruger Ex.215-1	24009	20.1	19	112.9	--	--	--	--
Lewis 4740	24400	16.0	23	112.5	--	--	--	--
LG Seeds LG2601	22860	19.0	21	111.6	--	--	--	--
Lewis 4830	24479	16.7	18	111.3	--	--	--	--
Kruger Ex.214-1	24644	16.8	26	110.7	--	--	--	--
Burrus 582	26363	17.7	22	107.6	--	--	--	--
Crows 6121	23399	18.6	33	107.1	--	--	--	--
Fontanelle 5721	24638	18.2	42	107.1	--	--	--	--

TABLE 2. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000	1999		
Fontanelle 5821	25906	17.4	17	107.0	114.9	--	111.0	--
Stone SX-E3K	24750	18.8	28	106.7	--	--	--	--
Merschman M-00114	23422	19.8	16	104.0	--	--	--	--
AgriGold A6675	24958	18.3	36	100.3	--	--	--	--
Middlekoop 1216	24672	18.5	41	90.5	111.5	--	101.0	--
<b>TRIAL AVERAGE</b>	<b>24614</b>	<b>19.5</b>	<b>16</b>	<b>135.1</b>	<b>125.7</b>	<b>92.6</b>	<b>130.4</b>	<b>117.8</b>
<b>L.S.D. AT .10</b>	<b>1695</b>	<b>1.6</b>	<b>13</b>	<b>19.7</b>	<b>NS</b>	<b>19.1</b>		
<b>C.V. %</b>	<b>4.9</b>	<b>5.7</b>		<b>10.1</b>	<b>14.4</b>	<b>15.1</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

TABLE 3. Performance of Non-Irrigated Corn Hybrids evaluated near Osborn (DeKalb County) on the Gene Millard Farm during 1999-2001.

Planted: 30 April 2001  
 Harvested: 2,3 October 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Grundy Silt Loam  
 Soil Test: pH=6.7, OM=2.7, P=80, K=331

Fertilizer: N=177; P2O5=70; K2O=100  
 Herbicide: Pre: Bicep II Magnum, Aatrex, Princep  
 Post: None  
 Insecticide: Force 3G  
 Tillage: Conventional  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=100%, Tunnel Length/Plant=7.30 in.

Growing Season Rainfall: Apr.=2.8, May=8.2, June=8.2, July=7.8, Aug.=3.4 TOTAL=30.4 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>Non-Irrigated Corn</b>								
Middlekoop 3314Bt	26427	17.4	4	187.4**	--	--	--	--
Mycogen 2833	27234	17.4	4	187.2*	183.6*	--	185.4	--
Kruger K-9114Bt	28513	18.2	3	185.7*	--	--	--	--
Pioneer hybrid 33P67	26562	18.5	3	183.0*	190.0*	128.1	186.5	167.0
Merschman M-9114	27698	17.7	4	183.0*	166.0	--	174.5	--
Mycogen 7821Bt	27424	18.8	9	182.9*	192.0**	149.3*	187.5	174.7
AgriGold A6545	27640	17.2	12	182.0*	--	--	--	--
Fontanelle 5800	27453	17.7	4	179.8*	179.2*	--	179.5	--
Kruger K-9217	26566	16.5	6	178.7*	--	--	--	--
Golden Harvest/H-9164Bt	26824	15.4	1	178.6*	--	--	--	--
Golden Harvest/H-9533Bt	26170	16.7	6	178.4*	174.4	--	176.4	--
LG Seeds LG2585	26738	15.7	5	178.3*	--	--	--	--
Rainbow Seeds 3175YG	25226	19.1	6	177.4*	169.0	--	173.2	--
NK Brand N67-T4	27327	16.4	3	176.2*	175.1	--	175.7	--
NK Brand N79-L3	26688	18.6	1	174.9*	173.7	137.1*	174.3	161.9
Stine 9803	28118	17.1	2	174.5*	--	--	--	--
Middlekoop 912	26380	12.6	2	174.4*	170.7	--	172.6	--
Fontanelle HC-7747Bt	26689	17.0	0	173.8*	172.0	--	172.9	--
Merschman M-00113	27013	16.4	6	173.0*	--	--	--	--
Lewis 5360Bt	26847	16.3	4	172.3*	--	--	--	--
Burrus 663	25983	13.5	5	171.5*	163.8	--	167.7	--
Fontanelle 5721	26332	15.3	5	171.5*	--	--	--	--
Pioneer Hybrid 33G30	27276	15.7	4	171.3*	--	--	--	--
Burrus 664Bt	27515	17.0	6	171.0*	169.2	--	170.1	--
Kruger K-9117	26549	17.3	6	170.7*	161.0	--	165.9	--
Golden Harvest H-8906	27028	14.8	6	170.6*	--	--	--	--
NC+ 5051	27222	16.8	1	170.4*	--	--	--	--
Dekalb DKC60-15	26977	15.7	2	170.2*	--	--	--	--
Burrus 569	25867	17.0	5	169.9*	183.0*	--	176.5	--
Kruger K-9217Bt	27849	17.7	8	168.2*	--	--	--	--
Hawkeye Hybrids SX76	27274	16.6	6	167.9*	180.7*	126.3	174.3	158.3
Garst 8327IT	27129	17.0	3	167.8*	--	--	--	--
Stine 9614Bt	26645	17.0	7	167.8*	--	--	--	--
NC+ 6359	26527	16.9	6	167.6*	--	--	--	--
Kruger K-9912CL	26670	15.6	3	167.6*	--	--	--	--
Vigoro V55Y21	26974	17.8	2	167.2*	--	--	--	--
Kruger K-9114	27708	15.1	5	167.0*	179.7*	--	173.4	--
Renze 6462	25786	17.9	2	166.8*	--	--	--	--
Kruger K-9013+Bt	24641	16.0	1	166.7*	166.4	140.8*	166.6	158.0
Dekalb DKC65-26	27168	16.4	8	166.7*	--	--	--	--

TABLE 3. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000	1999		
Merschman M-00112	27194	18.1	2	166.3	--	--	--	--
Fontanelle 5591	28304	17.4	4	166.2	--	--	--	--
Burrus 440	27216	14.8	5	166.2	180.0*	--	173.1	--
Kruger Ex.215-1	26885	16.1	11	165.9	--	--	--	--
Burrus 515	27031	13.4	3	165.5	--	--	--	--
Middlekoop 1214	27146	16.5	3	165.5	178.7*	--	172.1	--
Wilson 1788	26718	17.7	4	165.0	--	--	--	--
Pioneer hybrid 34B24	26075	16.5	1	164.2	--	--	--	--
Crows 5165B	26709	17.3	6	163.9	--	--	--	--
Merschman M-00111	26222	17.3	5	163.3	165.0	--	164.2	--
Asgrow RX730YG	26836	16.3	2	163.3	--	--	--	--
Kruger Ex.214-1	27553	15.8	3	163.0	--	--	--	--
Stone SX-M7	26577	16.2	4	163.0	--	--	--	--
LG Seeds LG2601	26905	16.2	4	162.8	--	--	--	--
LG Seeds LG2595	28040	15.7	5	162.3	--	--	--	--
Middlekoop 1014	26852	15.2	4	162.3	--	127.6	--	--
Pioneer hybrid 34M95	26388	15.6	3	162.0	--	--	--	--
Middlekoop 1216	26792	17.0	10	161.9	170.1	--	166.0	--
Dekalb DKC63-03	27083	15.0	6	161.5	--	--	--	--
Lewis 4740	26617	15.2	6	160.8	--	--	--	--
Nk Brand N7070Bt	27122	17.1	4	160.7	162.5	144.8*	161.6	156.0
Stone SX-E3K	27312	16.2	6	160.3	--	--	--	--
Rainbow Seeds 3167	25903	17.5	3	160.0	--	--	--	--
Middlekoop 1213	26375	16.1	3	159.6	--	--	--	--
Nk Brand N72-J5	27804	16.7	5	159.4	--	--	--	--
US Seeds US E1122Bt	27431	17.2	1	159.1	--	--	--	--
Kruger K-9014+Bt	27049	15.8	0	158.5	--	--	--	--
LG Seeds LG2587	26557	15.8	3	158.4	--	132.2	--	--
Golden Harvest H-9229	25582	15.8	1	158.3	185.7*	129.7	172.0	157.9
Asgrow RX740	28009	15.4	4	158.1	176.9*	133.1*	167.5	156.0
Merschman M-00114	27306	17.2	6	158.1	--	--	--	--
Asgrow RX828YG	26613	17.6	1	156.9	--	--	--	--
Crows 6121	26650	16.2	6	156.7	--	--	--	--
Vigoro V5400	25809	15.5	2	156.0	177.9*	--	167.0	--
Garst 8301	25206	17.3	6	155.7	--	--	--	--
Hawkeye Hybrids SX51	27412	16.1	7	155.7	--	--	--	--
Pioneer hybrid 33R77	27168	16.0	5	153.7	--	--	--	--
Freedom 5555	25688	17.2	5	153.1	168.6	--	160.9	--
Golden Harvest H-9012	25763	15.1	9	152.6	--	--	--	--
US Seeds US C1141	27283	16.1	6	152.6	--	--	--	--
Lewis 4830	26946	15.7	4	152.1	--	--	--	--
Garst 8484Bt	26542	16.9	1	152.0	--	--	--	--
Kruger Ex.9212Bt	26572	15.2	3	151.7	--	--	--	--
Burrus 582	27039	16.4	5	151.2	--	--	--	--
Freedom Ex. 645	26210	16.6	5	150.6	--	--	--	--

TABLE 3. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000	1999		
Pioneer hybrid 31G98	26189	15.6	5	149.6	--	--	--	--
Fontanelle 5281	28493	15.9	3	145.9	173.3	--	159.6	--
NC+ 5169	25958	14.7	0	142.5	172.8	--	157.7	--
AgriGold A6675	26920	16.5	8	140.4	--	--	--	--
Golden Harvest/H-9216	26829	16.5	1	136.0	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>26839</b>	<b>16.4</b>	<b>4</b>	<b>165.0</b>	<b>170.6</b>	<b>129.3</b>	<b>167.8</b>	<b>155.0</b>
<b>L.S.D. AT .10</b>	<b>1344</b>	<b>1.5</b>	<b>NS</b>	<b>21.0</b>	<b>15.2</b>	<b>19.6</b>		
<b>C.V. %</b>	<b>3.5</b>	<b>6.5</b>		<b>9.4</b>	<b>6.5</b>	<b>11.0</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 4. Performance of Non-irrigated Corn Hybrids evaluated near Novelty (Knox County) on the Greenley Memorial Center during 1999-2001.

Planted: 1 May 2001  
 Harvested: 27 September 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Putman Silt Loam  
 Soil Test: pH=5.8, OM=2.6, P=43, K=296

Fertilizer: N=160; P2O5=50; K2O=100  
 Herbicide: Pre: Bicep II Magnum, Princep  
 Post: Liberty(Directed)  
 Insecticide: Force 3G  
 Tillage: Conventional  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=92%, Tunnel Length/Plant=9.70 in.

Growing Season Rainfall: Apr.=2.8, May=8.2, June=4.6, July=2.7, Aug.=2.6 TOTAL=20.9 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>Non-Irrigated Corn</b>								
Dekalb DKC60-15	27581	19.9	2	194.0**	--	--	--	--
Pioneer hybrid 33P67	25777	22.7	5	188.7*	224.2*	31.5	206.5	148.1
Lewis 5360Bt	25183	19.8	5	187.4*	--	--	--	--
Mycogen 2833	26993	21.3	1	187.1*	197.5	--	192.3	--
Lewis 4830	25345	19.5	1	186.4*	--	--	--	--
Kruger K-9217Bt	24666	23.2	1	186.4*	--	--	--	--
Fontanelle HC-7747Bt	25372	20.5	0	183.8*	220.0*	--	201.9	--
Dekalb DKC65-26	25194	20.3	10	181.5*	--	--	--	--
Garst 8484Bt	25511	22.7	0	181.2*	--	--	--	--
Merschman M-9114	27290	23.5	0	180.7*	208.5	--	194.6	--
LG Seeds LG2585	25540	18.5	4	179.9*	--	--	--	--
Pioneer hybrid 34M95	25012	20.4	1	179.6*	--	--	--	--
Golden Harvest H-8906	26474	18.8	8	179.2	--	--	--	--
Asgrow RX730YG	25686	20.8	0	179.2	--	--	--	--
Merschman M-00113	25341	20.2	0	178.5	--	--	--	--
Crows 5165B	27852	21.4	0	178.2	--	--	--	--
Middlekoop 1214	26050	20.6	1	178.2	211.7	--	195.0	--
Mycogen 7821Bt	25890	21.3	2	178.0	216.7*	10.0	197.4	134.9
Nk Brand N7070Bt	25453	22.1	1	177.9	210.4	15.8	194.2	134.7
Pioneer hybrid 33R77	24628	19.1	1	177.8	--	--	--	--
Pioneer hybrid 34B24	25494	20.7	1	177.7	--	--	--	--
Fontanelle 5591	24627	21.1	3	177.6	--	--	--	--
Burrus 569	24067	19.9	3	175.1	219.5*	--	197.3	--
Stine 9803	25749	21.0	6	174.5	--	--	--	--
Kruger K-9114Bt	26953	21.0	0	174.0	--	--	--	--
Pioneer Hybrid 33G30	24314	20.1	0	173.2	--	--	--	--
AgriGold A6545	27902	20.4	1	173.0	--	--	--	--
Golden Harvest/H-9533Bt	27382	22.8	1	172.9	216.0*	--	194.5	--
Burrus 664Bt	24514	21.7	0	172.7	229.0**	--	200.9	--
Hawkeye Hybrids SX51	26294	19.8	7	172.5	--	--	--	--
Golden Harvest/H-9164Bt	24537	21.0	1	172.2	--	--	--	--
Golden Harvest H-9229	24109	19.3	1	171.1	199.3	37.3	185.2	135.9
Asgrow RX828YG	24695	21.5	1	170.6	--	--	--	--
Merschman M-00112	23657	21.7	1	170.3	--	--	--	--
Garst 8327IT	26970	21.3	0	169.8	--	--	--	--
Kruger Ex.9212Bt	25132	19.5	3	169.4	--	--	--	--
US Seeds US E1122Bt	25454	21.2	2	169.3	--	--	--	--
Hawkeye Hybrids SX76	25379	21.3	4	169.3	222.2*	16.9	195.8	136.1
Freedom 5555	25232	19.9	4	169.2	220.7*	--	195.0	--
Burrus 440	25773	19.5	3	168.8	213.6*	--	191.2	--

TABLE 4. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000	1999		
Rainbow Seeds 3167	25500	20.9	6	167.9	--	--	--	--
NC+ 5051	26135	20.2	0	167.8	--	--	--	--
Kruger Ex.214-1	24823	20.4	3	167.6	--	--	--	--
Kruger K-9014+Bt	26240	20.9	3	167.6	--	--	--	--
Kruger K-9013+Bt	25026	20.4	1	167.1	203.1	19.1	185.1	129.8
Stine 9614Bt	25487	20.8	0	167.1	--	--	--	--
Dekalb DKC63-03	27063	20.2	1	166.5	--	--	--	--
Merschman M-00111	26163	18.6	3	166.5	207.4	--	187.0	--
LG Seeds LG2587	25132	18.7	3	166.0	--	26.5	--	--
Kruger K-9114	25499	20.0	4	165.7	228.6*	--	197.2	--
Stone SX-E3K	26017	19.5	9	165.3	--	--	--	--
Middlekoop 3314Bt	26907	21.3	0	165.3	--	--	--	--
Kruger K-9117	27558	22.1	20	165.1	196.3	--	180.7	--
Golden Harvest H-9012	25981	20.0	6	164.8	--	--	--	--
Nk Brand N72-J5	26576	20.5	0	164.7	--	--	--	--
Vigoro V55Y21	26853	20.9	2	164.4	--	--	--	--
Lewis 4740	25566	18.9	1	164.0	--	--	--	--
Renze 6462	23651	21.5	12	163.6	--	--	--	--
Asgrow RX740	26611	18.4	9	163.6	201.9	21.2	182.8	128.9
Kruger K-9912CL	25314	19.0	5	163.1	--	--	--	--
Vigoro V5400	23876	19.1	5	162.9	209.6	--	186.3	--
Crows 6121	26611	19.7	7	162.8	--	--	--	--
Middlekoop 1014	24862	20.0	1	162.8	--	15.6	--	--
NK Brand N79-L3	25914	21.2	13	162.7	204.0	20.2	183.4	129.0
Kruger Ex.215-1	24685	20.7	4	162.7	--	--	--	--
Wilson 1788	25579	21.4	8	162.3	--	--	--	--
Stone SX-M7	23867	20.7	4	162.3	--	--	--	--
Fontanelle 5800	25035	23.3	5	162.1	214.2*	--	188.2	--
NC+ 6359	26658	22.8	2	161.9	--	--	--	--
Kruger K-9217	25425	23.1	0	161.8	--	--	--	--
Pioneer hybrid 31G98	26048	19.0	1	160.0	--	--	--	--
Middlekoop 912	25362	19.3	2	159.4	201.9	--	180.7	--
NK Brand N67-T4	27362	19.6	0	158.9	213.9*	--	186.4	--
Rainbow Seeds 3175YG	24596	21.4	18	158.0	211.8	--	184.9	--
Garst 8301	23913	21.4	8	157.8	--	--	--	--
Freedom Ex. 645	26275	20.1	1	157.3	--	--	--	--
Burrus 515	26114	18.5	1	157.2	--	--	--	--
Fontanelle 5721	26214	19.5	5	157.1	--	--	--	--
Middlekoop 1213	25135	18.8	2	156.2	--	--	--	--
LG Seeds LG2595	26592	20.7	5	156.2	--	--	--	--
Burrus 663	25435	19.0	7	155.9	223.4*	--	189.7	--
Middlekoop 1216	25544	20.1	6	155.1	201.8	--	178.5	--
LG Seeds LG2601	24578	19.7	8	154.9	--	--	--	--
NC+ 5169	24531	18.8	4	154.9	201.6	--	178.3	--
Burrus 582	25830	18.6	5	153.9	--	--	--	--

TABLE 4. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000	1999		
US Seeds US C1141	25996	19.3	6	151.5	--	--	--	--
Golden Harvest/H-9216	25847	19.2	4	151.1	--	--	--	--
Merschman M-00114	25730	20.7	9	148.7	--	--	--	--
AgriGold A6675	24980	20.0	7	147.1	--	--	--	--
Fontanelle 5281	26551	18.4	8	142.2	210.6	--	176.4	--
<b>TRIAL AVERAGE</b>	<b>25648</b>	<b>20.4</b>	<b>4</b>	<b>168.0</b>	<b>206.1</b>	<b>19.0</b>	<b>187.1</b>	<b>131.0</b>
<b>L.S.D. AT .10</b>	<b>1835</b>	<b>1.1</b>	<b>7</b>	<b>14.6</b>	<b>15.7</b>	<b>14.0</b>		
<b>C.V. %</b>	<b>5</b>	<b>3.8</b>		<b>6.0</b>	<b>5.6</b>	<b>51.4</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 5. Performance of Non-Irrigated Corn Hybrids evaluated near LaGrange (Lewis County) on the Roger Tieman Farm during 2000-2001.

Planted: 2 May 2001  
 Harvested: 28 September 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 Inches  
 Soil Type: Westerville Silt Loam  
 Soil Test: pH=5.8, OM=2.8, P=70, K=278

Fertilizer: N=180; P2O5=0; K2O=0  
 Herbicide: Pre: Harness Xtra, Aatrex, Princep, Liberty  
 Post: None  
 Insecticide: Force 3G  
 Tillage: Conventional  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=84%, Tunnel Length/Plant=6.60 in.

Growing Season Rainfall: Apr.=2.5, May=8.5, June=4.3, July=1.5, Aug.=4.6 TOTAL=21.4 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000			
<b>Non-Irrigated Corn</b>								
Kruger K-9217	29092	23.1	0	219.9**	--	--	--	--
Pioneer hybrid 33P67	24405	22.2	0	212.2*	191.2	--	201.7	--
Pioneer hybrid 31G98	26709	23.1	4	209.7*	--	--	--	--
Dekalb DKC65-26	25966	22.0	0	207.3*	--	--	--	--
Mycogen 7821Bt	26441	20.6	1	204.6*	193.3	--	199.0	--
Merschman M-9114	27539	21.8	0	204.4*	171.7	--	188.1	--
NK Brand N79-L3	26316	23.1	0	204.4*	178.8	--	191.6	--
Middlekoop 1214	26624	20.5	1	203.4*	199.4*	--	201.4	--
Kruger K-9114	25659	20.6	2	202.5	214.0**	--	208.3	--
Kruger K-9114Bt	28615	21.4	1	202.2	--	--	--	--
Rainbow Seeds 3175YG	26142	23.5	0	201.8	194.2*	--	198.0	--
Pioneer hybrid 33R77	25473	21.7	3	201.3	--	--	--	--
Mycogen 2833	25727	22.8	1	201.2	178.4	--	189.8	--
Asgrow RX730YG	24693	20.7	0	200.8	--	--	--	--
Burrus 515	27686	19.9	2	200.7	--	--	--	--
Kruger Ex.215-1	27874	20.5	3	199.9	--	--	--	--
Nk Brand N72-J5	27504	20.6	1	199.4	--	--	--	--
Pioneer hybrid 34B24	25257	20.3	1	198.8	--	--	--	--
Middlekoop 3314Bt	26017	21.1	1	198.1	--	--	--	--
Burrus 664Bt	26725	21.3	0	197.5	182.7	--	190.1	--
LG Seeds LG2585	26610	21.0	4	197.5	--	--	--	--
Crows 5165B	26225	21.4	0	197.0	--	--	--	--
Garst 8484Bt	27641	21.9	0	196.7	--	--	--	--
Kruger Ex.9212Bt	27933	20.3	0	196.5	--	--	--	--
Dekalb DKC60-15	27215	20.6	1	196.0	--	--	--	--
Stine 9614Bt	25792	21.1	0	195.3	--	--	--	--
Kruger K-9117	26696	21.9	0	194.3	175.3	--	184.8	--
Asgrow RX828YG	24658	21.6	0	194.2	--	--	--	--
Burrus 440	25478	20.2	2	193.8	202.7*	--	198.3	--
Nk Brand N7070Bt	26786	21.5	0	193.5	196.2*	--	194.9	--
Pioneer Hybrid 33G30	25831	21.5	1	193.2	--	--	--	--
Stine 9803	24701	22.4	1	192.5	--	--	--	--
Vigoro V55Y21	25714	21.2	1	192.2	--	--	--	--
Golden Harvest/H-9164Bt	26615	20.4	0	191.5	--	--	--	--
Kruger K-9013+Bt	26586	20.3	0	191.3	176.2	--	183.8	--
AgriGold A6545	26732	20.6	2	190.8	--	--	--	--
Fontanelle HC-7747Bt	25108	21.3	0	190.7	197.7*	--	194.2	--
Pioneer hybrid 34M95	25803	20.6	1	189.7	--	--	--	--
Golden Harvest/H-9533Bt	25747	23.1	0	189.4	174.6	--	182.0	--
Fontanelle 5800	26757	20.5	1	189.2	170.4	--	179.8	--

TABLE 5. Continued.

Brand-Hybrid	Plants (#/Acre)	Moisture (%)	Lodging (%)	Yield (Bu / Acre)			Means	
				2001	2000		2 Yr.	3 Yr.
Burrus 569	25463	21.2	1	188.9	199.9*	--	194.4	--
Lewis 4830	25796	21.3	2	188.0	--	--	--	--
Merschman M-00112	25282	22.9	0	187.5	--	--	--	--
Hawkeye Hybrids SX51	27844	20.3	0	187.2	--	--	--	--
Golden Harvest H-8906	25951	20.3	2	186.8	--	--	--	--
Fontanelle 5591	24931	21.4	2	186.6	--	--	--	--
Vigoro V5400	24824	20.3	4	186.5	187.0	--	186.8	--
LG Seeds LG2587	24991	20.4	4	186.4	--	--	--	--
Middlekoop 912	25923	20.2	2	185.9	182.4	--	184.2	--
Garst 8301	25162	22.7	1	185.9	--	--	--	--
Garst 8327IT	25561	22.2	0	185.3	--	--	--	--
NC+ 5169	27353	20.1	3	184.8	182.3	--	183.6	--
Rainbow Seeds 3167	22904	21.9	1	184.0	--	--	--	--
Asgrow RX740	24758	20.4	2	183.3	185.8	--	184.6	--
Kruger K-9912CL	25485	20.0	1	183.2	--	--	--	--
Golden Harvest H-9229	25757	20.0	2	183.2	194.8*	--	189.0	--
Renze 6462	24036	21.1	3	182.8	--	--	--	--
Freedom 5555	26281	20.9	1	181.7	203.8*	--	192.8	--
Merschman M-00111	24111	20.6	1	181.7	185.8	--	183.8	--
NC+ 5051	24268	20.5	1	180.5	--	--	--	--
Wilson 1788	26513	22.6	1	180.4	--	--	--	--
Stone SX-E3K	25935	20.3	3	180.4	--	--	--	--
Middlekoop 1213	25870	20.2	0	180.1	--	--	--	--
US Seeds US C1141	26232	20.6	0	179.7	--	--	--	--
Fontanelle 5281	26213	20.5	1	179.4	162.8	--	171.1	--
Merschman M-00114	25462	20.6	3	179.2	--	--	--	--
Lewis 4740	25993	20.1	0	179.0	--	--	--	--
Dekalb DKC63-03	28116	20.4	3	178.5	--	--	--	--
Kruger K-9217Bt	24821	22.7	1	177.9	--	--	--	--
Merschman M-00113	23681	20.5	1	177.9	--	--	--	--
Kruger Ex.214-1	25539	20.5	0	177.9	--	--	--	--
Stone SX-M7	26876	21.1	4	177.8	--	--	--	--
Freedom Ex. 645	27838	20.7	3	176.7	--	--	--	--
Crows 6121	26867	20.5	1	175.9	--	--	--	--
Kruger K-9014+Bt	26850	20.5	0	175.3	--	--	--	--
Golden Harvest H-9012	25373	20.0	2	175.3	--	--	--	--
US Seeds US E1122Bt	24885	21.0	1	174.9	--	--	--	--
LG Seeds LG2601	28333	21.1	3	174.4	--	--	--	--
Middlekoop 1014	25377	20.8	1	173.1	--	--	--	--
Middlekoop 1216	25283	21.0	2	172.3	172.1	--	172.2	--
Golden Harvest/H-9216	24764	20.6	0	171.1	--	--	--	--
Hawkeye Hybrids SX76	26470	21.4	1	170.8	201.8*	--	186.3	--
NK Brand N67-T4	23385	20.3	0	169.9	188.8	--	179.4	--
LG Seeds LG2595	25777	20.3	0	168.6	--	--	--	--
AgriGold A6675	24187	21.0	4	167.3	--	--	--	--

TABLE 5. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000			
Burrus 663	24575	20.5	1	166.4	204.3*	--	185.4	--
NC+ 6359	26618	23.8	0	166.0	--	--	--	--
Burrus 582	25274	20.1	0	165.2	--	--	--	--
Fontanelle 5721	25060	20.5	2	159.8	--	--	--	--
Lewis 5360Bt	24469	20.5	0	159.2	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>25938</b>	<b>21.1</b>	<b>1</b>	<b>187.2</b>	<b>183.3</b>	<b>--</b>	<b>185.3</b>	<b>--</b>
<b>L.S.D. AT .10</b>	<b>2356</b>	<b>1.0</b>	<b>2</b>	<b>16.6</b>	<b>20.3</b>			
<b>C.V. %</b>	<b>6.6</b>	<b>3.5</b>		<b>6.2</b>	<b>8.1</b>			

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 6. Performance Summary for Non-Irrigated Corn Hybrids evaluated at Five North Missouri locations (Corning, Albany, Osborn, Novelty, LaGrange) during 2001.

<u>Corning</u> Planted: 26 April 2001 Harvested: 4 October 2001 Growing Season Rainfall: 15.5 in.	<u>Albany</u> Planted: 16 May 2001 Harvested: 9,11,12 October 2001 Growing Season Rainfall: 22.4 in.	<u>Osborn</u> Planted: 30 April 2001 Harvested: 2,3 October 2001 Growing Season Rainfall: 30.4 in.
<u>Novelty</u> Planted: 1 May 2001 Harvested: 27 September 2001 Growing Season Rainfall: 20.9 in.	<u>LaGrange</u> Planted: 2 May 2001 Harvested: 28 September 2001 Growing Season Rainfall: 21.4 in.	

Brand-Hybrid	Yield (Bu/Acre)					
	Corning	Albany	Osborn	Novelty	LaGrange	Mean
<b>Non-Irrigated Corn</b>						
Mycogen 2833	194.3**	175.5*	187.2*	187.1*	201.2	189.1**
Pioneer hybrid 33P67	176.0*	160.6*	183.0*	188.7*	212.2*	184.1*
Merschman M-9114	175.7*	166.6*	183.0*	180.7*	204.4*	182.1*
Golden Harvest/H-9164Bt	186.3*	177.9**	178.6*	172.2	191.5	181.3*
Rainbow Seeds 3175YG	188.6*	173.8*	177.4*	158.0	201.8	179.9
Crows 5165B	184.6*	171.4*	163.9	178.2	197.0	179.0
Asgrow RX730YG	178.6*	167.2*	163.3	179.2	200.8	177.8
Kruger K-9114Bt	163.3	161.3*	185.7*	174.0	202.2	177.3
Kruger K-9217	171.1*	153.9	178.7*	161.8	219.9**	177.1
Dekalb DKC65-26	161.8	160.0*	166.7*	181.5*	207.3*	175.5
Vigoro V55Y21	179.6*	171.2*	167.2*	164.4	192.2	174.9
Pioneer hybrid 34B24	160.7	171.3*	164.2	177.7	198.8	174.5
Burrus 664Bt	159.4	170.5*	171.0*	172.7	197.5	174.2
Mycogen 7821Bt	148.8	155.7	182.9*	178.0	204.6*	174.0
Pioneer hybrid 34M95	165.8	169.3*	162.0	179.6*	189.7	173.3
Golden Harvest/H-9533Bt	169.6*	152.1	178.4*	172.9	189.4	172.5
Kruger K-9217Bt	178.8*	150.4	168.2*	186.4*	177.9	172.3
Fontanelle HC-7747Bt	148.0	164.2*	173.8*	183.8*	190.7	172.1
LG Seeds LG2585	170.8*	134.0	178.3*	179.9*	197.5	172.1
NK Brand N79-L3	160.2	157.2	174.9*	162.7	204.4*	171.9
Asgrow RX828YG	176.3*	158.1	156.9	170.6	194.2	171.2
Middlekoop 3314Bt	144.7	160.6*	187.4**	165.3	198.1	171.2
Merschman M-00113	175.7*	148.5	173.0*	178.5	177.9	170.7
Middlekoop 1214	167.5	136.9	165.5	178.2	203.4*	170.3
Dekalb DKC60-15	160.8	128.5	170.2*	194.0**	196.0	169.9
Burrus 569	165.1	145.8	169.9*	175.1	188.9	169.0
AgriGold A6545	171.7*	127.2	182.0*	173.0	190.8	168.9
Stine 9614Bt	165.1	149.0	167.8*	167.1	195.3	168.9
Nk Brand N7070Bt	153.0	157.2	160.7	177.9	193.5	168.4
Garst 8484Bt	151.7	155.4	152.0	181.2*	196.7	167.4
Kruger K-9114	164.6	137.1	167.0*	165.7	202.5	167.4
Stine 9803	148.9	145.3	174.5*	174.5	192.5	167.1
Kruger K-9013+Bt	157.0	153.2	166.7*	167.1	191.3	167.1
Pioneer Hybrid 33G30	161.3	134.1	171.3*	173.2	193.2	166.6
Pioneer hybrid 33R77	183.0*	113.0	153.7	177.8	201.3	165.8
Middlekoop 912	192.9*	115.5	174.4*	159.4	185.9	165.6
Merschman M-00111	193.8*	122.4	163.3	166.5	181.7	165.5
Rainbow Seeds 3167	181.8*	125.9	160.0	167.9	184.0	163.9
Burrus 440	166.8	123.4	166.2	168.8	193.8	163.8
Wilson 1788	169.5*	141.2	165.0	162.3	180.4	163.7

TABLE 6. Continued.

Brand-Hybrid	Yield (Bu/Acre)					Mean
	Corning	Albany	Osborn	Novelty	LaGrange	
<b>Non-Irrigated Corn</b>						
Kruger K-9117	163.1	124.7	170.7*	165.1	194.3	163.6
Fontanelle 5800	155.3	131.4	179.8*	162.1	189.2	163.6
Burrus 515	169.8*	124.1	165.5	157.2	200.7	163.4
Hawkeye Hybrids SX76	183.6*	125.6	167.9*	169.3	170.8	163.4
Lewis 5360Bt	147.1	150.6	172.3*	187.4*	159.2	163.3
Kruger Ex.9212Bt	155.8	142.9	151.7	169.4	196.5	163.2
Kruger K-9912CL	172.3*	130.0	167.6*	163.1	183.2	163.2
Golden Harvest H-9229	173.9*	129.4	158.3	171.1	183.2	163.2
Merschman M-00112	147.4	143.2	166.3	170.3	187.5	162.9
LG Seeds LG2587	177.1*	126.7	158.4	166.0	186.4	162.9
NK Brand N67-T4	149.6	159.7*	176.2*	158.9	169.9	162.8
Kruger K-9014+Bt	152.5	156.3	158.5	167.6	175.3	162.0
Fontanelle 5591	148.0	131.8	166.2	177.6	186.6	162.0
US Seeds US E1122Bt	167.1	137.2	159.1	169.3	174.9	161.5
Pioneer hybrid 31G98	159.2	128.2	149.6	160.0	209.7*	161.3
Lewis 4830	167.3	111.3	152.1	186.4*	188.0	161.0
Garst 8327IT	163.7	117.8	167.8*	169.8	185.3	160.9
Nk Brand N72-J5	154.6	124.6	159.4	164.7	199.4	160.5
Golden Harvest H-8906	136.3	129.1	170.6*	179.2	186.8	160.4
Stone SX-M7	166.9	130.5	163.0	162.3	177.8	160.1
Renze 6462	155.8	130.9	166.8*	163.6	182.8	160.0
NC+ 5051	160.8	118.6	170.4*	167.8	180.5	159.6
Dekalb DKC63-03	154.8	135.8	161.5	166.5	178.5	159.4
NC+ 5169	190.2*	121.4	142.5	154.9	184.8	158.8
Hawkeye Hybrids SX51	162.1	114.0	155.7	172.5	187.2	158.3
Stone SX-E3K	178.4*	106.7	160.3	165.3	180.4	158.2
Freedom 5555	171.8*	114.6	153.1	169.2	181.7	158.1
Asgrow RX740	155.1	127.5	158.1	163.6	183.3	157.5
NC+ 6359	165.3	126.8	167.6*	161.9	166.0	157.5
Kruger Ex.215-1	143.8	112.9	165.9	162.7	199.9	157.0
Burrus 663	169.2*	121.4	171.5*	155.9	166.4	156.9
LG Seeds LG2595	156.5	139.1	162.3	156.2	168.6	156.5
Kruger Ex.214-1	162.9	110.7	163.0	167.6	177.9	156.4
Crows 6121	177.3*	107.1	156.7	162.8	175.9	156.0
Vigoro V5400	157.1	117.1	156.0	162.9	186.5	155.9
Middlekoop 1014	161.4	118.4	162.3	162.8	173.1	155.6
Garst 8301	162.2	115.3	155.7	157.8	185.9	155.4
Lewis 4740	159.1	112.5	160.8	164.0	179.0	155.1
Fontanelle 5721	176.1*	107.1	171.5*	157.1	159.8	154.3
Middlekoop 1216	186.8*	90.5	161.9	155.1	172.3	153.3
Golden Harvest H-9012	147.5	120.8	152.6	164.8	175.3	152.2
Freedom Ex. 645	158.2	117.7	150.6	157.3	176.7	152.1
Middlekoop 1213	145.5	117.5	159.6	156.2	180.1	151.8
LG Seeds LG2601	149.7	111.6	162.8	154.9	174.4	150.7
Merschman M-00114	162.0	104.0	158.1	148.7	179.2	150.4

TABLE 6. Continued.

Brand-Hybrid	Yield (Bu/Acre)					Mean
	Corning	Albany	Osborn	Novelty	LaGrange	
<b>Non-Irrigated Corn</b>						
US Seeds US C1141	150.5	112.9	152.6	151.5	179.7	149.4
Golden Harvest/H-9216	152.7	115.4	136.0	151.1	171.1	145.3
Fontanelle 5281	147.2	107.0	145.9	142.2	179.4	144.3
AgriGold A6675	166.4	100.3	140.4	147.1	167.3	144.3
Burrus 582	139.6	107.6	151.2	153.9	165.2	143.5
<b>TRIAL AVERAGE</b>	<b>164.6</b>	<b>135.1</b>	<b>165.0</b>	<b>168.0</b>	<b>187.2</b>	<b>164.0</b>
<b>L.S.D. AT .10</b>	<b>25.2</b>	<b>19.7</b>	<b>21.0</b>	<b>14.6</b>	<b>16.6</b>	<b>8.8</b>
<b>C.V. %</b>	<b>10.7</b>	<b>10.1</b>	<b>9.4</b>	<b>6.0</b>	<b>6.2</b>	<b>8.5</b>

\*\* Highest yielding hybrid in the test.

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

TABLE 7. Performance of Non-irrigated Corn Hybrids evaluated near Henrietta (Ray County) on the John Williams Farm during 2000-2001, on the Lynn Rogers Farm during 1999.

Planted: 18 April 2001  
 Harvested: 6 September 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Aholt Clay  
 Soil Test: pH=6.9, OM=2.3, P=51, K=506

Fertilizer: N=190; P2O5=0; K2O=0  
 Herbicide: Pre: Guardsman, Princep, Aatrex  
 Post: None  
 Insecticide: Force 3G  
 Tillage: Conventional  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=32%, Tunnel Length/Plant=1.70 in.

Growing Season Rainfall: Apr.=3.6, May=8.3, June=8.0, July=5.2, Aug.=3.6 TOTAL=28.7 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>Non-Irrigated Corn</b>								
Stone SX-E3K	29217	16.2	0	240.4**	--	--	--	--
Stone SX-M8	31587	18.1	0	235.4*	--	--	--	--
LG Seeds LG2606	29207	16.6	1	234.5*	179.8	--	207.2	--
Dekalb DKC60-15	29862	16.7	2	229.2	--	--	--	--
Mycogen 7870	29701	17.3	2	227.7	--	--	--	--
Golden Harvest/H-9216	28308	17.3	0	226.2	--	--	--	--
Garst 8484Bt	29295	17.3	0	224.9	--	--	--	--
Mycogen 2833	28944	17.8	1	224.7	212.3*	--	218.5	--
Nk Brand N72-J5	28589	17.1	1	222.8	--	--	--	--
Lewis 7192	29244	18.7	1	219.8	--	--	--	--
Garst 8327IT	27349	17.7	1	219.3	--	--	--	--
Midland 798	27340	19.1	0	214.7	--	158.6	--	--
Kruger K-9114Bt	26498	16.3	1	214.1	--	--	--	--
Dekalb DKC66-50	28963	17.2	0	214.0	--	--	--	--
Pioneer hybrid 33R77	26714	17.8	0	213.5	--	--	--	--
Pioneer hybrid 33P67	26817	17.8	0	212.6	218.9**	196.5**	215.8	209.3
Burrus 663	27894	16.2	2	212.0	--	--	--	--
Asgrow RX740	27600	15.9	3	211.6	194.6	167.2	203.1	191.1
LG Seeds LG2587	27961	16.0	0	211.3	--	--	--	--
Midland 7A15	27969	17.5	2	210.4	--	--	--	--
Pioneer hybrid 31G98	26598	18.2	1	209.2	--	--	--	--
NC+ 5169	26402	16.5	1	207.6	--	--	--	--
Gateway 2140	27887	18.3	2	207.0	--	--	--	--
Middlekoop 912	26247	16.8	1	207.0	173.3	--	190.2	--
Garst 8288	26844	18.2	2	206.8	--	--	--	--
Burrus 855	27870	18.0	2	205.8	--	--	--	--
Golden Harvest H-9471	26300	17.8	1	205.6	--	--	--	--
Golden Harvest/H-9533Bt	27195	18.1	0	205.3	206.6*	--	206.0	--
Lewis 5360Bt	28159	17.1	1	205.0	--	--	--	--
Middlekoop 1214	27843	17.4	4	204.8	207.9*	--	206.4	--
Midland 7A14	27234	16.2	2	204.3	--	--	--	--
Burrus 599CL	28949	16.0	1	204.2	--	--	--	--
Middlekoop 3314Bt	28774	16.8	2	203.9	--	--	--	--
Fontanelle 5721	27458	17.1	2	203.3	--	--	--	--
Merschman M-00113	28963	16.9	2	202.9	--	--	--	--
Lewis 5450	27710	17.3	2	202.0	--	--	--	--
LG Seeds LG2601	28387	17.7	0	202.0	--	--	--	--
Kruger K-9114	25890	16.7	1	201.3	--	--	--	--
NK Brand N72-V7	26952	17.8	1	200.2	--	--	--	--
Burrus 515	25517	15.7	0	200.1	--	--	--	--

TABLE 7. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000	1999		
Pioneer hybrid 34B24	28990	15.6	1	199.6	--	--	--	--
Merschman M-00112	28007	16.6	2	199.1	--	--	--	--
Kruger K-9217Bt	26983	16.9	0	198.5	--	--	--	--
NK Brand N79-L3	27160	19.5	0	198.3	198.8	153.5	198.6	183.5
LG Seeds LG2670	28317	18.1	0	196.4	--	--	--	--
Fontanelle 5591	26173	16.9	1	195.3	--	--	--	--
Pioneer Hybrid 33G30	28385	16.0	2	194.8	--	--	--	--
Rainbow Seeds 3200	27698	17.3	1	194.5	--	--	--	--
Middlekoop 1014	27783	17.9	0	194.3	195.2	163.3	194.8	184.3
Golden Harvest H-9229	29304	16.4	0	194.1	182.8	--	188.5	--
Dekalb DKC65-26	27362	17.6	0	193.8	--	--	--	--
Gateway 4151	26864	18.6	0	193.6	--	--	--	--
Dekalb DKC63-03	28950	16.1	1	193.4	--	--	--	--
NC+ 5018	28576	15.4	1	193.3	181.3	170.5	187.3	181.7
Nk Brand N7070Bt	27460	16.2	1	193.2	201.2*	163.7	197.2	186.0
Asgrow RX828YG	29529	17.9	1	192.8	--	--	--	--
Midland 7A25Bt	26619	17.3	0	192.5	--	--	--	--
Golden Harvest/H-9095Bt	29179	14.7	0	192.1	--	161.1	--	--
Merschman M-00111	25686	15.7	1	192.0	182.2	--	187.1	--
AgriGold A6545	26874	17.1	1	189.8	210.1*	--	200.0	--
Burrus 569	26600	17.7	1	188.7	207.7*	--	198.2	--
US Seeds US C1161	26892	16.1	2	188.3	--	--	--	--
Merschman M-00114	29145	16.7	0	187.5	--	--	--	--
NK Brand N67-T4	27338	15.3	1	187.1	200.2*	--	193.7	--
NK Brand N65-Y3	25754	15.7	1	186.8	--	--	--	--
Middlekoop 1216	27990	18.8	1	186.7	189.0	--	187.9	--
NC+ 5051	27448	15.7	2	184.7	--	--	--	--
Kruger K-9014+Bt	28433	15.0	0	183.4	--	--	--	--
Mycogen 6920Bt	27393	15.8	0	182.7	200.3*	--	191.5	--
AgriGold A6620	26880	17.2	1	181.8	--	--	--	--
Gateway 9411Bt	24647	16.1	1	181.0	191.9	--	186.5	--
Middlekoop 1213	28443	15.6	0	179.3	--	--	--	--
Golden Harvest H-9012	26847	15.5	0	179.1	--	--	--	--
Merschman M-9114	26535	17.1	0	175.8	173.0	--	174.4	--
Garst 8301	24522	17.3	1	164.3	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>27693</b>	<b>17.0</b>	<b>1</b>	<b>201.8</b>	<b>189.2</b>	<b>159.8</b>	<b>195.5</b>	<b>183.6</b>
<b>L.S.D. AT .10</b>	<b>10</b>	<b>1.1</b>	<b>NS</b>	<b>10.2</b>	<b>19.4</b>	<b>19.9</b>		
<b>C.V. %</b>	<b>7.2</b>	<b>4.5</b>		<b>11.7</b>	<b>7.5</b>	<b>9.7</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 8. Performance of Non-irrigated Corn Hybrids evaluated near Marshall (Saline County) on the Frank Swisher Farm during 1999-2001.

Planted: 26 April 2001  
 Harvested: 5, 11 September 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Joy Silt Loam  
 Soil Test: pH=5.9, OM=2.3, P=152, K=564

Fertilizer: N=200; P2O5=0; K2O=0  
 Herbicide: Pre: Harness Xtra, Princep, Aatrex  
 Post: Permit, Buctril  
 Insecticide: Force 3G  
 Tillage: Conventional  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=84%, Tunnel Length/Plant=2.75 in.

Growing Season Rainfall: Apr.=3.9, May=7.4, June=8.2, July=6.8, Aug.=3.3 TOTAL=29.6 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>Non-Irrigated Corn</b>								
Pioneer hybrid 34B24	28292	20.2	5	236.1**	--	--	--	--
Dekalb DKC60-15	28408	19.9	4	230.2*	--	--	--	--
Asgrow RX740	27981	22.2	4	227.1*	220.1	207.4*	223.6	218.2
Mycogen 2833	29079	22.4	6	225.7*	214.2	--	220.0	--
Pioneer hybrid 33P67	28452	22.9	0	224.7*	247.7**	206.7*	236.2	226.4
Burrus 599CL	27260	21.4	2	222.3*	--	--	--	--
Midland 7A15	27920	22.4	3	222.2*	--	--	--	--
Pioneer hybrid 31G98	27471	24.4	3	221.4*	--	--	--	--
Gateway 4151	27075	22.9	15	221.2*	--	--	--	--
Stone SX-M8	29599	22.9	7	221.0*	--	--	--	--
Pioneer hybrid 33R77	29677	23.0	12	220.2*	--	--	--	--
NK Brand N79-L3	27410	24.5	3	220.1*	194.2	203.3*	207.2	205.9
Mycogen 6920Bt	28138	20.2	3	219.6*	208.4	--	214.0	--
Golden Harvest/H-9216	27949	20.7	3	219.2*	--	--	--	--
Garst 8288	26551	20.5	7	216.4*	--	--	--	--
Middlekoop 1214	27309	22.2	5	216.3*	215.3	--	215.8	--
Garst 8301	27781	23.3	7	216.2*	--	--	--	--
Lewis 5450	27906	21.5	12	214.2*	--	--	--	--
Midland 7A14	27194	21.5	14	213.3*	--	--	--	--
LG Seeds LG2587	26191	22.1	8	213.2*	--	--	--	--
Golden Harvest/H-9533Bt	28479	24.2	5	212.8*	214.3	--	213.6	--
Burrus 663	28364	21.5	10	211.7*	--	--	--	--
Midland 7A25Bt	27222	21.9	13	211.3*	--	--	--	--
Mycogen 7870	27131	21.6	7	211.2*	--	--	--	--
Golden Harvest H-9229	26998	22.1	6	211.1*	213.0	--	212.1	--
Burrus 855	27573	24.0	14	210.8*	--	--	--	--
Golden Harvest/H-9095Bt	27405	21.3	2	209.6*	--	196.4*	--	--
Golden Harvest H-9012	27555	18.6	6	208.8*	--	--	--	--
Burrus 569	27530	22.8	4	208.6*	219.6	--	214.1	--
Asgrow RX828YG	26548	23.0	4	207.2*	--	--	--	--
Fontanelle 5721	27429	22.4	12	206.8*	--	--	--	--
Merschman M-00114	27004	21.9	5	206.5*	--	--	--	--
Merschman M-00113	28675	22.2	7	206.0*	--	--	--	--
LG Seeds LG2601	28014	22.7	5	205.5*	--	--	--	--
Dekalb DKC65-26	27757	22.6	2	204.6	--	--	--	--
Kruger K-9217Bt	27056	23.4	13	204.1	--	--	--	--
Dekalb DKC66-50	27011	22.9	4	203.9	--	--	--	--
Middlekoop 912	27259	20.5	3	203.7	189.0	--	196.4	--
Middlekoop 3314Bt	27617	20.9	7	203.1	--	--	--	--
Lewis 7192	27898	22.7	1	202.9	--	--	--	--

TABLE 8. Continued.

Brand-Hybrid	Plants (#/Acre)	Moisture (%)	Lodging (%)	Yield (Bu / Acre)			Means	
				2001	2000	1999	2 Yr.	3 Yr.
Merschman M-9114	26758	23.8	3	202.6	205.0	--	203.8	--
AgriGold A6545	29238	21.6	3	200.9	230.8*	--	215.9	--
Midland 798	26045	23.6	6	200.8	--	194.3*	--	--
NC+ 5169	29211	20.8	4	200.5	--	--	--	--
Middlekoop 1213	28157	20.8	6	200.3	--	--	--	--
Golden Harvest H-9471	28047	22.6	21	200.0	--	--	--	--
Pioneer Hybrid 33G30	26799	20.9	7	199.5	--	--	--	--
AgriGold A6620	26283	25.6	5	198.8	--	--	--	--
Nk Brand N7070Bt	26268	21.2	8	197.1	215.2	164.1	206.2	192.1
Middlekoop 1014	27065	22.3	5	196.8	203.9	196.1*	200.4	198.9
Rainbow Seeds 3200	27967	21.8	8	195.1	--	--	--	--
LG Seeds LG2606	26805	22.4	5	195.0	210.0	--	202.5	--
NK Brand N67-T4	28287	19.7	3	194.2	192.6	--	193.4	--
Garst 8327IT	27389	22.4	10	194.1	--	--	--	--
Middlekoop 1216	27287	21.3	6	194.0	183.5	--	188.8	--
Garst 8484Bt	27271	21.0	1	193.8	--	--	--	--
Dekalb DKC63-03	27471	21.6	1	193.4	--	--	--	--
Gateway 9411Bt	27774	22.4	4	191.6	209.1	--	200.4	--
Lewis 5360Bt	28783	22.3	7	191.5	--	--	--	--
Burrus 515	28176	20.3	14	190.4	--	--	--	--
LG Seeds LG2670	28053	24.3	5	190.4	--	--	--	--
NC+ 5018	26989	19.2	19	189.4	202.4	211.3**	195.9	201.0
NK Brand N65-Y3	29917	19.3	2	187.3	--	--	--	--
NK Brand N72-V7	27161	22.6	3	186.9	--	--	--	--
Fontanelle 5591	27433	22.5	10	186.6	--	--	--	--
Merschman M-00111	26936	20.5	3	186.0	193.9	--	190.0	--
Nk Brand N72-J5	27677	23.0	23	185.3	--	--	--	--
Stone SX-E3K	27097	20.2	4	184.8	--	--	--	--
Kruger K-9014+Bt	27858	20.6	6	184.0	--	--	--	--
NC+ 5051	28247	20.5	18	183.5	--	--	--	--
Kruger K-9114	28676	21.9	7	183.1	--	--	--	--
Merschman M-00112	26106	21.3	15	176.6	--	--	--	--
Gateway 2140	26903	23.6	14	168.6	--	--	--	--
US Seeds US C1161	26684	21.8	5	163.7	--	--	--	--
Kruger K-9114Bt	29569	21.3	8	156.8	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>27661</b>	<b>21.9</b>	<b>7</b>	<b>202.9</b>	<b>200.7</b>	<b>191.6</b>	<b>201.8</b>	<b>198.4</b>
<b>L.S.D. AT .10</b>	<b>1829</b>	<b>1.8</b>	<b>10</b>	<b>31.4</b>	<b>23.8</b>	<b>18.2</b>		
<b>C.V. %</b>	<b>4.7</b>	<b>6.1</b>		<b>11.1</b>	<b>8.7</b>	<b>7.0</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 9. Performance of Non-irrigated Corn Hybrids evaluated near Columbia (Boone County) on the Agronomy Research Center during 1999-2001.

Planted: 20 April 2001  
 Harvested: 4 September 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Mexico Silt Loam  
 Soil Test: pH=7.1, OM=2.6, P=193, K=590

Fertilizer: N=200; P205=58; K2O=79  
 Herbicide: Pre: Guardsman, Aatrex, Princep  
 Post: None  
 Insecticide: Force 3G  
 Tillage: Conventional  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=72%, Tunnel Length/Plant=2.10 in.

Growing Season Rainfall: Apr.=3.5, May=5.7, June=5.0, July=4.5, Aug.=2.7 TOTAL=21.4 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>Non-Irrigated Corn</b>								
AgriGold A6545	27789	19.8	0	235.3**	209.5*	--	222.4	--
Pioneer hybrid 34B24	23821	18.2	0	227.5*	--	--	--	--
Kruger K-9217Bt	27764	18.8	0	226.2*	--	--	--	--
Lewis 5450	26619	20.3	0	224.0*	--	--	--	--
Nk Brand N72-J5	29632	18.5	0	222.0*	--	--	--	--
Golden Harvest/H-9533Bt	26085	21.3	0	218.0*	205.2*	--	211.6	--
Asgrow RX740	29308	17.9	0	217.6*	187.5	139.4*	202.6	181.5
Golden Harvest/H-9095Bt	28395	16.7	0	216.9*	--	105.1	--	--
Garst 8301	25896	21.4	1	216.4*	--	--	--	--
Garst 8288	27558	21.8	0	215.2*	--	--	--	--
Golden Harvest/H-9216	27791	18.1	0	214.9*	--	--	--	--
Mycogen 6920Bt	27787	19.8	0	214.4*	196.6	--	205.5	--
Merschman M-00112	27382	18.6	0	214.2*	--	--	--	--
Garst 8484Bt	27114	18.7	0	214.0*	--	--	--	--
LG Seeds LG2606	29324	19.0	0	212.8*	216.4*	--	214.6	--
Midland 7A15	26922	20.1	0	212.7*	--	--	--	--
Kruger K-9114	30000	21.5	0	210.6	--	--	--	--
Asgrow RX828YG	27921	19.8	0	210.5	--	--	--	--
Middlekoop 1213	28154	19.4	0	210.3	--	--	--	--
NC+ 5018	27533	17.4	3	210.0	198.5	107.9	204.3	172.1
NK Brand N67-T4	27763	18.5	0	209.7	216.8*	--	213.3	--
Gateway 4151	25911	20.8	0	209.6	--	--	--	--
Pioneer hybrid 33R77	27247	19.7	0	208.4	--	--	--	--
Burrus 663	28100	18.8	0	208.4	--	--	--	--
Burrus 569	27549	19.2	0	208.2	201.3	--	204.8	--
Golden Harvest H-9471	27664	19.8	0	207.9	--	--	--	--
Stone SX-M8	29413	20.8	0	207.0	--	--	--	--
Rainbow Seeds 3200	29796	19.6	0	206.3	--	--	--	--
Mycogen 7870	26565	20.6	3	205.0	--	--	--	--
Merschman M-00111	26000	18.7	0	204.9	173.0	--	189.0	--
Merschman M-00113	27703	19.6	0	204.0	--	--	--	--
Middlekoop 1214	27295	19.2	1	203.7	203.0	--	203.4	--
Garst 8327IT	28444	20.0	1	203.6	--	--	--	--
Stone SX-E3K	27931	18.9	0	203.4	--	--	--	--
LG Seeds LG2601	27673	19.1	2	203.2	--	--	--	--
NK Brand N72-V7	26583	17.9	0	203.1	--	--	--	--
Fontanelle 5591	27565	19.6	0	203.1	--	--	--	--
Burrus 855	27576	20.5	4	202.3	--	--	--	--
AgriGold A6620	26090	21.3	0	202.1	--	--	--	--
Golden Harvest H-9229	27718	19.2	0	201.9	184.0	--	193.0	--

TABLE 9. Continued.

Brand-Hybrid	Plants (#/Acre)	Moisture (%)	Lodging (%)	Yield (Bu / Acre)			Means	
				2001	2000	1999	2 Yr.	3 Yr.
Dekalb DKC66-50	28373	18.5	0	201.2	--	--	--	--
LG Seeds LG2670	28134	23.3	2	200.2	--	--	--	--
US Seeds US C1161	27891	20.1	0	200.2	--	--	--	--
NC+ 5169	26381	18.3	2	199.4	--	--	--	--
LG Seeds LG2587	26276	18.7	0	198.3	--	--	--	--
Middlekoop 3314Bt	26903	18.8	0	198.0	--	--	--	--
Pioneer Hybrid 33G30	29986	18.3	0	197.9	--	--	--	--
Gateway 2140	27735	20.6	0	197.7	--	--	--	--
Pioneer hybrid 31G98	26887	19.5	1	196.6	--	--	--	--
Kruger K-9114Bt	29279	19.8	0	196.5	--	--	--	--
Burrus 599CL	29052	18.5	0	196.2	--	--	--	--
NK Brand N65-Y3	26658	17.5	0	195.7	--	--	--	--
Fontanelle 5721	26475	19.6	0	195.4	--	--	--	--
Mycogen 2833	28876	19.7	0	195.3	202.9	--	199.1	--
Midland 7A14	26454	19.8	0	194.7	--	--	--	--
Dekalb DKC63-03	28754	17.9	0	193.5	--	--	--	--
Dekalb DKC60-15	26742	19.4	0	193.4	--	--	--	--
Midland 7A25Bt	26022	19.5	0	193.4	--	--	--	--
Gateway 9411Bt	25434	18.7	0	192.7	209.4*	--	201.1	--
Merschman M-9114	25518	21.5	0	191.5	196.0	--	193.8	--
Middlekoop 912	26688	18.4	0	190.3	183.1	--	186.7	--
Nk Brand N7070Bt	27587	18.2	0	190.0	201.9	123.4	196.0	171.8
Middlekoop 1014	28432	19.2	0	189.1	200.4	105.5	194.8	165.0
Merschman M-00114	27825	19.4	0	188.5	--	--	--	--
Pioneer hybrid 33P67	25198	21.0	0	188.4	219.2**	134.8*	203.8	180.8
Lewis 7192	24679	21.7	0	188.2	--	--	--	--
NK Brand N79-L3	28165	20.7	0	187.8	190.2	99.1	189.0	159.0
Burrus 515	27434	15.6	0	185.5	--	--	--	--
Dekalb DKC65-26	27093	20.1	0	185.3	--	--	--	--
Golden Harvest H-9012	25914	17.7	0	181.9	--	--	--	--
Middlekoop 1216	25651	20.8	0	180.4	169.7	--	175.1	--
Kruger K-9014+Bt	28436	15.9	0	178.0	--	--	--	--
Midland 798	26013	20.3	0	176.8	--	132.6*	--	--
NC+ 5051	27273	18.2	0	173.1	--	--	--	--
Lewis 5360Bt	24379	19.8	0	170.4	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>27360</b>	<b>19.4</b>	<b>0</b>	<b>201.7</b>	<b>191.2</b>	<b>121.7</b>	<b>196.5</b>	<b>171.5</b>
<b>L.S.D. AT .10</b>	<b>2357</b>	<b>1.4</b>	<b>NS</b>	<b>23.4</b>	<b>14.0</b>	<b>20.4</b>		
<b>C.V. %</b>	<b>6</b>	<b>5.2</b>		<b>8.3</b>	<b>5.4</b>	<b>12.2</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 10. Performance of Non-irrigated Corn Hybrids evaluated near Truxton (Montgomery County) on the Roy Cope Farm during 1999-2001.

Planted: 25 April 2001  
 Harvested: 13 September 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Mexico Silt Loam  
 Soil Test: pH=5.6, OM=2.4, P=45, K=169

Fertilizer: N=145; P2O5=92; K2O=93  
 Herbicide: Pre: Harness Xtra, Princep, Aatrex  
 Post: None  
 Insecticide: Force 3G  
 Tillage: Conventional  
 Previous Crop: Sorghum

European Corn Borer Rating: Damaged Plants=80%, Tunnel Length/Plant=5.15 in.

Growing Season Rainfall: Apr.=3.2, May=2.9, June=5.7, July=5.1, Aug.=5.4 TOTAL=22.3 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means		
	(#/Acre)	(%)	(%)	(Bu / Acre)	2001	2000	1999	2 Yr.	3 Yr.
<b>Non-Irrigated Corn</b>									
Merschman M-00113	25454	15.1	4	168.6**	--	--	--	--	--
AgriGold A6545	26550	14.8	0	159.1*	185.6*	--	--	172.4	--
Middlekoop 912	24705	14.6	7	157.7*	188.6*	--	--	173.2	--
Merschman M-00114	29512	16.1	5	155.1*	--	--	--	--	--
Golden Harvest/H-9216	25445	13.7	8	151.7*	--	--	--	--	--
Burrus 855	24699	17.2	2	146.8*	--	--	--	--	--
US Seeds US C1161	26494	15.7	16	146.0*	--	--	--	--	--
Dekalb DKC63-03	25550	14.1	0	145.1*	--	--	--	--	--
Stone SX-E3K	27034	14.1	20	144.9*	--	--	--	--	--
LG Seeds LG2587	25120	14.4	10	140.1*	--	--	--	--	--
Gateway 2140	25375	15.3	5	139.7*	--	--	--	--	--
Burrus 599CL	25814	14.0	6	139.5*	--	--	--	--	--
Merschman M-00112	25905	14.1	6	137.3*	--	--	--	--	--
Golden Harvest/H-9095Bt	24216	13.4	5	137.2*	--	130.4*	--	--	--
Golden Harvest H-9229	21470	14.4	16	135.9*	184.9*	--	--	160.4	--
Rainbow Seeds 3200	27592	16.2	8	135.5*	--	--	--	--	--
Kruger K-9217Bt	23662	15.3	7	134.9*	--	--	--	--	--
Burrus 569	25867	14.3	30	134.8*	189.9*	--	--	162.4	--
Midland 7A25Bt	23282	14.6	4	134.3*	--	--	--	--	--
Mycogen 2833	26134	15.3	21	133.7*	196.4*	--	--	165.1	--
Kruger K-9014+Bt	26296	13.5	10	133.5*	--	--	--	--	--
Pioneer hybrid 34B24	24763	15.6	3	132.2*	--	--	--	--	--
Kruger K-9114Bt	26228	14.4	10	131.8*	--	--	--	--	--
Middlekoop 1213	25970	14.0	9	129.7	--	--	--	--	--
Middlekoop 1216	24514	15.5	37	129.5	174.7	--	--	152.1	--
NC+ 5051	24044	15.1	2	129.3	--	--	--	--	--
Garst 8327IT	26542	15.1	5	129.1	--	--	--	--	--
Burrus 663	26711	14.1	6	126.6	--	--	--	--	--
Lewis 5450	23844	14.9	4	124.8	--	--	--	--	--
Nk Brand N7070Bt	25208	13.7	0	124.8	182.7*	121.7*	--	153.8	143.1
Midland 7A15	26071	15.0	3	123.4	--	--	--	--	--
LG Seeds LG2670	26556	15.4	3	121.6	--	--	--	--	--
Lewis 5360Bt	25734	14.7	13	120.6	--	--	--	--	--
Midland 7A14	25538	13.3	4	120.1	--	--	--	--	--
NK Brand N72-V7	24315	16.0	7	118.3	--	--	--	--	--
Fontanelle 5721	23059	15.7	8	117.5	--	--	--	--	--
Nk Brand N72-J5	27069	13.7	7	116.5	--	--	--	--	--
Middlekoop 1014	25042	16.0	3	116.3	175.1	112.9*	--	145.7	134.8
NC+ 5169	25030	14.1	23	115.7	--	--	--	--	--
Golden Harvest H-9012	24766	14.6	7	114.9	--	--	--	--	--

TABLE 10. Continued.

Brand-Hybrid	Plants (#/Acre)	Moisture (%)	Lodging (%)	Yield (Bu / Acre)			Means	
				2001	2000	1999	2 Yr.	3 Yr.
Burrus 515	24642	12.6	3	113.7	--	--	--	--
Garst 8288	23819	16.6	3	113.5	--	--	--	--
Dekalb DKC65-26	25402	16.3	2	113.3	--	--	--	--
Kruger K-9114	27573	14.3	3	112.9	--	--	--	--
Garst 8484Bt	26108	14.7	21	111.7	--	--	--	--
Pioneer hybrid 33R77	26669	15.5	3	111.2	--	--	--	--
LG Seeds LG2601	23889	15.8	5	110.9	--	--	--	--
Lewis 7192	23947	16.5	1	110.7	--	--	--	--
Dekalb DKC60-15	25371	15.6	14	110.4	--	--	--	--
Asgrow RX828YG	24784	16.1	4	110.1	--	--	--	--
Pioneer hybrid 33P67	24112	16.1	7	109.9	184.0*	120.7*	147.0	138.2
Merschman M-00111	24277	13.6	25	109.3	181.3*	--	145.3	--
Fontanelle 5591	24702	14.5	2	108.9	--	--	--	--
Middlekoop 3314Bt	24867	15.7	6	106.7	--	--	--	--
LG Seeds LG2606	27059	14.2	4	106.3	188.8*	--	147.6	--
Golden Harvest H-9471	25300	15.1	4	106.2	--	--	--	--
Asgrow RX740	23492	14.0	8	105.5	182.3*	109.0	143.9	132.3
Dekalb DKC66-50	26801	15.3	2	102.4	--	--	--	--
Garst 8301	23801	17.0	5	102.1	--	--	--	--
Stone SX-M8	26833	16.2	12	100.8	--	--	--	--
NK Brand N79-L3	24909	16.4	3	100.6	185.4*	105.0	143.0	130.3
NK Brand N67-T4	26001	12.9	24	98.0	183.6*	--	140.8	--
Golden Harvest/H-9533Bt	24510	15.9	3	97.4	170.8	--	134.1	--
Midland 798	24499	17.4	10	95.1	--	97.5	--	--
Gateway 4151	24527	15.8	7	94.6	--	--	--	--
Mycogen 7870	26194	16.7	3	92.6	--	--	--	--
NC+ 5018	23454	13.5	12	92.1	162.7	109.0	127.4	121.3
Pioneer hybrid 31G98	23960	14.0	4	90.3	--	--	--	--
Mycogen 6920Bt	25717	14.0	34	88.0	188.5*	--	138.3	--
Pioneer Hybrid 33G30	25691	13.1	2	87.3	--	--	--	--
Gateway 9411Bt	23537	13.0	16	84.1	190.8*	--	137.5	--
Middlekoop 1214	24954	14.1	4	82.0	186.9*	--	134.5	--
AgriGold A6620	20520	16.8	7	81.5	--	--	--	--
NK Brand N65-Y3	26554	12.8	4	79.2	--	--	--	--
Merschman M-9114	25187	15.7	7	79.1	183.0*	--	131.1	--
<b>TRIAL AVERAGE</b>	<b>25211</b>	<b>14.9</b>	<b>8</b>	<b>118.3</b>	<b>178.2</b>	<b>109.7</b>	<b>148.3</b>	<b>135.4</b>
<b>L.S.D. AT .10</b>	<b>2589</b>	<b>1.0</b>	<b>NS</b>	<b>37.5</b>	<b>21.6</b>	<b>20.4</b>		
<b>C.V. %</b>	<b>7.2</b>	<b>5.1</b>		<b>22.9</b>	<b>8.9</b>	<b>13.5</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 11. Performance of Non-irrigated Corn Hybrids evaluated near Annada (Pike County) on the Bob Burkemper Farm during 1999-2001.

Planted: 23 April 2001  
 Harvested: 20 September 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Tice Silt Loam  
 Soil Test: pH=5.0, OM=2.2, P=97, K=222

Fertilizer: N=200; P2O5=28; K2O=80  
 Herbicide: Pre: Dual II Magnum, Princep, Aatrex  
 Post: Buctril  
 Insecticide: Force 3G  
 Tillage: Conventional  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=40%, Tunnel Length/Plant=1.37 in.

Growing Season Rainfall: Apr.=4.1, May=5.1, June=4.0, July=2.0, Aug.=6.7 TOTAL=21.9 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield		Means		
	(#/Acre)	(%)	(%)	(Bu / Acre)		2 Yr.	3 Yr.	
	2001			2001	2000	1999		
<b>Non-Irrigated Corn</b>								
Garst 8288	25937	18.1	3	235.1**	--	--	--	--
Kruger K-9114	29482	16.8	4	233.1*	--	--	--	--
Pioneer hybrid 33R77	25290	17.7	2	230.3*	--	--	--	--
Gateway 2140	25760	17.6	2	226.5*	--	--	--	--
Kruger K-9217Bt	25453	17.6	8	224.6*	--	--	--	--
Midland 7A25Bt	25935	17.1	0	223.8*	--	--	--	--
Burrus 855	26304	18.3	5	221.9*	--	--	--	--
Kruger K-9114Bt	27846	17.3	1	221.7*	--	--	--	--
Pioneer hybrid 34B24	28264	16.6	0	219.4*	--	--	--	--
LG Seeds LG2601	25095	17.7	0	217.9*	--	--	--	--
Pioneer hybrid 33P67	25249	18.7	0	217.9*	238.1*	163.6*	228.0	206.5
Stone SX-E3K	25825	16.6	4	217.6*	--	--	--	--
Burrus 515	27682	15.5	0	215.9*	--	--	--	--
Midland 7A14	27569	16.7	5	215.4*	--	--	--	--
Dekalb DKC65-26	26847	16.9	3	214.8*	--	--	--	--
Merschman M-00114	27435	16.8	2	214.2*	--	--	--	--
Lewis 5450	25592	17.3	2	213.2*	--	--	--	--
Middlekoop 1214	25213	16.9	0	212.8*	241.9*	--	227.4	--
Burrus 599CL	26785	16.5	4	212.3	--	--	--	--
Midland 7A15	26000	17.2	1	210.6	--	--	--	--
Middlekoop 1213	25346	16.8	0	210.0	--	--	--	--
Burrus 663	26876	16.8	6	209.6	--	--	--	--
Golden Harvest H-9471	25794	17.5	1	209.0	--	--	--	--
Merschman M-00113	26931	16.8	0	208.5	--	--	--	--
Middlekoop 3314Bt	27791	16.6	5	208.3	--	--	--	--
Golden Harvest/H-9216	26104	17.2	1	208.0	--	--	--	--
Nk Brand N7070Bt	25400	16.5	0	207.3	218.7	149.1	213.0	191.7
Pioneer hybrid 31G98	26830	17.1	3	206.2	--	--	--	--
NC+ 5018	25179	15.2	2	204.9	219.8	169.4*	212.4	198.0
Lewis 7192	26126	18.1	1	204.9	--	--	--	--
Asgrow RX740	26034	16.5	4	204.6	216.9	149.2	210.8	190.2
Fontanelle 5591	26466	17.5	1	204.3	--	--	--	--
AgriGold A6545	27542	16.8	1	204.3	247.1**	--	225.7	--
Pioneer Hybrid 33G30	25197	16.8	0	204.2	--	--	--	--
LG Seeds LG2606	27464	16.8	0	204.0	228.6	--	216.3	--
Merschman M-00111	24586	16.6	5	204.0	214.0	--	209.0	--
Lewis 5360Bt	25372	17.2	2	203.7	--	--	--	--
Gateway 4151	25775	17.5	2	203.7	--	--	--	--
Merschman M-00112	25427	17.2	1	203.3	--	--	--	--
Garst 8327IT	26457	17.6	0	201.8	--	--	--	--

TABLE 11. Continued.

Brand-Hybrid	Plants (#/Acre)	Moisture (%)	Lodging (%)	Yield (Bu / Acre)			Means	
				2001	2000	1999	2 Yr.	3 Yr.
AgriGold A6620	25792	17.9	4	200.7	--	--	--	--
Nk Brand N72-J5	26207	17.2	0	200.3	--	--	--	--
Golden Harvest H-9229	25104	16.3	4	200.1	210.1	--	205.1	--
Middlekoop 912	23704	16.4	4	200.0	211.1	--	205.6	--
Midland 798	25965	18.2	0	199.3	--	139.7	--	--
NK Brand N79-L3	27536	17.6	0	198.2	213.3	148.0	205.8	186.5
Kruger K-9014+Bt	26071	15.6	1	198.1	--	--	--	--
Dekalb DKC63-03	25916	16.3	0	198.0	--	--	--	--
Golden Harvest H-9012	26012	16.1	0	197.4	--	--	--	--
LG Seeds LG2587	26123	16.5	3	197.0	--	--	--	--
Mycogen 7870	25525	16.8	1	196.2	--	--	--	--
NC+ 5169	26318	16.2	0	196.2	--	--	--	--
Stone SX-M8	26327	18.0	1	196.0	--	--	--	--
Golden Harvest/H-9533Bt	26617	17.9	1	195.5	226.6	--	211.1	--
LG Seeds LG2670	27997	17.3	1	194.6	--	--	--	--
Middlekoop 1216	23978	17.2	6	193.5	219.9	--	206.7	--
Middlekoop 1014	24078	17.8	2	192.7	215.8	160.7*	204.3	189.7
US Seeds US C1161	26282	16.8	2	191.7	--	--	--	--
Merschman M-9114	25200	17.3	0	190.7	217.8	--	204.3	--
Dekalb DKC66-50	26172	16.7	1	190.3	--	--	--	--
Mycogen 2833	26923	17.3	2	190.3	225.2	--	207.8	--
Fontanelle 5721	25039	16.8	4	190.0	--	--	--	--
Rainbow Seeds 3200	26738	17.3	1	188.0	--	--	--	--
NK Brand N72-V7	25020	17.1	3	187.0	--	--	--	--
Garst 8301	24789	18.1	1	186.9	--	--	--	--
Mycogen 6920Bt	27201	16.3	2	186.5	228.9	--	207.7	--
Garst 8484Bt	24966	16.9	1	184.5	--	--	--	--
Gateway 9411Bt	24522	15.7	1	180.3	224.7	--	202.5	--
NK Brand N65-Y3	28048	15.8	1	179.9	--	--	--	--
NC+ 5051	26169	16.1	6	178.0	--	--	--	--
Asgrow RX828YG	25237	17.1	0	175.4	--	--	--	--
NK Brand N67-T4	26606	16.6	1	174.1	217.3	--	195.7	--
Golden Harvest/H-9095Bt	26360	16.0	4	168.4	--	150.0	--	--
Burrus 569	24921	16.7	5	161.1	217.2	--	189.2	--
Dekalb DKC60-15	26373	16.2	13	129.3	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>26108</b>	<b>17.0</b>	<b>2</b>	<b>201.3</b>	<b>217.3</b>	<b>152.6</b>	<b>209.3</b>	<b>190.4</b>
<b>L.S.D. AT .10</b>	<b>2003</b>	<b>0.5</b>	<b>NS</b>	<b>22.7</b>	<b>15.6</b>	<b>16.7</b>		
<b>C.V. %</b>	<b>5.5</b>	<b>2.2</b>		<b>8.0</b>	<b>5.2</b>	<b>8.0</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 12. Performance Summary for Non-Irrigated Corn Hybrids evaluated at Five Central Missouri locations (Henrietta, Marshall, Columbia, Truxton, Annada) during 2001.

<u>Henrietta</u> Planted: 18 April 2001 Harvested: 6 September 2001 Growing Season Rainfall: 28.7 in.	<u>Marshall</u> Planted: 26 April 2001 Harvested: 5, 11 September 2001 Growing Season Rainfall: 29.6 in.	<u>Columbia</u> Planted: 20 April 2001 Harvested: 4 September 2001 Growing Season Rainfall: 21.4 in.
<u>Truxton</u> Planted: 25 April 2001 Harvested: 13 September 2001 Growing Season Rainfall: 22.3 in.	<u>Annada</u> Planted: 23 April 2001 Harvested: 20 September 2001 Growing Season Rainfall: 21.9 in.	

Brand-Hybrid	Yield (Bu/Acre)					
	Henrietta	Marshall	Columbia	Truxton	Annada	Mean
<b>Non-Irrigated Corn</b>						
Golden Harvest/H-9216	226.2	219.2*	214.9*	151.7*	208.0	204.0**
Pioneer hybrid 34B24	199.6	236.1**	227.5*	132.2*	219.4*	203.0*
Stone SX-E3K	240.4**	184.8	203.4	144.9*	217.6*	198.2*
Merschman M-00113	202.9	206.0*	204.0	168.6**	208.5	198.0*
AgriGold A6545	189.8	200.9	235.3**	159.1*	204.3	197.9*
Kruger K-9217Bt	198.5	204.1	226.2*	134.9*	224.6*	197.7*
Burrus 855	205.8	210.8*	202.3	146.8*	221.9*	197.5*
Garst 8288	206.8	216.4*	215.2*	113.5	235.1**	197.4*
Pioneer hybrid 33R77	213.5	220.2*	208.4	111.2	230.3*	196.7*
Midland 7A15	210.4	222.2*	212.7*	123.4	210.6	195.8*
Lewis 5450	202.0	214.2*	224.0*	124.8	213.2*	195.6*
Burrus 599CL	204.2	222.3*	196.2	139.5*	212.3	194.9*
Mycogen 2833	224.7	225.7*	195.3	133.7*	190.3	193.9*
Burrus 663	212.0	211.7*	208.4	126.6	209.6	193.6*
Asgrow RX740	211.6	227.1*	217.6*	105.5	204.6	193.3*
Stone SX-M8	235.4*	221.0*	207.0	100.8	196.0	192.0*
LG Seeds LG2587	211.3	213.2*	198.3	140.1*	197.0	192.0*
Middlekoop 912	207.0	203.7	190.3	157.7*	200.0	191.7*
Midland 7A25Bt	192.5	211.3*	193.4	134.3*	223.8*	191.1*
Pioneer hybrid 33P67	212.6	224.7*	188.4	109.9	217.9*	190.7*
LG Seeds LG2606	234.5*	195.0	212.8*	106.3	204.0	190.5
Merschman M-00114	187.5	206.5*	188.5	155.1*	214.2*	190.4
Garst 8327IT	219.3	194.1	203.6	129.1	201.8	189.6
Midland 7A14	204.3	213.3*	194.7	120.1	215.4*	189.6
Nk Brand N72-J5	222.8	185.3	222.0*	116.5	200.3	189.4
Golden Harvest H-9229	194.1	211.1*	201.9	135.9*	200.1	188.6
Kruger K-9114	201.3	183.1	210.6	112.9	233.1*	188.2
Gateway 2140	207.0	168.6	197.7	139.7*	226.5*	187.9
LG Seeds LG2601	202.0	205.5*	203.2	110.9	217.9*	187.9
Mycogen 7870	227.7	211.2*	205.0	92.6	196.2	186.5
Merschman M-00112	199.1	176.6	214.2*	137.3*	203.3	186.1
Middlekoop 1213	179.3	200.3	210.3	129.7	210.0	185.9
Golden Harvest/H-9533Bt	205.3	212.8*	218.0*	97.4	195.5	185.8
Garst 8484Bt	224.9	193.8	214.0*	111.7	184.5	185.8
Golden Harvest H-9471	205.6	200.0	207.9	106.2	209.0	185.7
Lewis 7192	219.8	202.9	188.2	110.7	204.9	185.3
Golden Harvest/H-9095Bt	192.1	209.6*	216.9*	137.2*	168.4	184.8
Pioneer hybrid 31G98	209.2	221.4*	196.6	90.3	206.2	184.7
Dekalb DKC63-03	193.4	193.4	193.5	145.1*	198.0	184.7
Gateway 4151	193.6	221.2*	209.6	94.6	203.7	184.5

TABLE 12. Continued.

Brand-Hybrid	Yield (Bu/Acre)					
	Henrietta	Marshall	Columbia	Truxton	Annada	Mean
<b>Non-Irrigated Corn</b>						
Kruger K-9114Bt	214.1	156.8	196.5	131.8*	221.7*	184.2
Middlekoop 3314Bt	203.9	203.1	198.0	106.7	208.3	184.0
Middlekoop 1214	204.8	216.3*	203.7	82.0	212.8*	183.9
Rainbow Seeds 3200	194.5	195.1	206.3	135.5*	188.0	183.9
NC+ 5169	207.6	200.5	199.4	115.7	196.2	183.9
Fontanelle 5721	203.3	206.8*	195.4	117.5	190.0	182.6
Nk Brand N7070Bt	193.2	197.1	190.0	124.8	207.3	182.5
Dekalb DKC65-26	193.8	204.6	185.3	113.3	214.8*	182.4
Dekalb DKC66-50	214.0	203.9	201.2	102.4	190.3	182.4
Burrus 515	200.1	190.4	185.5	113.7	215.9*	181.1
NK Brand N79-L3	198.3	220.1*	187.8	100.6	198.2	181.0
LG Seeds LG2670	196.4	190.4	200.2	121.6	194.6	180.6
Burrus 569	188.7	208.6*	208.2	134.8*	161.1	180.3
Fontanelle 5591	195.3	186.6	203.1	108.9	204.3	179.6
Merschman M-00111	192.0	186.0	204.9	109.3	204.0	179.2
Asgrow RX828YG	192.8	207.2*	210.5	110.1	175.4	179.2
NK Brand N72-V7	200.2	186.9	203.1	118.3	187.0	179.1
Dekalb DKC60-15	229.2	230.2*	193.4	110.4	129.3	178.5
Mycogen 6920Bt	182.7	219.6*	214.4*	88.0	186.5	178.2
Lewis 5360Bt	205.0	191.5	170.4	120.6	203.7	178.2
US Seeds US C1161	188.3	163.7	200.2	146.0*	191.7	178.0
NC+ 5018	193.3	189.4	210.0	92.1	204.9	177.9
Middlekoop 1014	194.3	196.8	189.1	116.3	192.7	177.8
Midland 798	214.7	200.8	176.8	95.1	199.3	177.3
Garst 8301	164.3	216.2*	216.4*	102.1	186.9	177.2
Middlekoop 1216	186.7	194.0	180.4	129.5	193.5	176.8
Pioneer Hybrid 33G30	194.8	199.5	197.9	87.3	204.2	176.7
Golden Harvest H-9012	179.1	208.8*	181.9	114.9	197.4	176.4
Kruger K-9014+Bt	183.4	184.0	178.0	133.5*	198.1	175.4
AgriGold A6620	181.8	198.8	202.1	81.5	200.7	173.0
NK Brand N67-T4	187.1	194.2	209.7	98.0	174.1	172.6
NC+ 5051	184.7	183.5	173.1	129.3	178.0	169.7
Merschman M-9114	175.8	202.6	191.5	79.1	190.7	167.9
Gateway 9411Bt	181.0	191.6	192.7	84.1	180.3	165.9
NK Brand N65-Y3	186.8	187.3	195.7	79.2	179.9	165.8
<b>TRIAL AVERAGE</b>	<b>201.8</b>	<b>202.9</b>	<b>201.7</b>	<b>118.3</b>	<b>201.3</b>	<b>185.2</b>
<b>L.S.D. AT .10</b>	<b>10.2</b>	<b>31.4</b>	<b>23.4</b>	<b>37.5</b>	<b>22.7</b>	<b>13.3</b>
<b>C.V. %</b>	<b>11.7</b>	<b>11.1</b>	<b>8.3</b>	<b>22.9</b>	<b>8.0</b>	<b>12.4</b>

\*\* Highest yielding hybrid in the test.

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

TABLE 13. Performance of Irrigated Corn Hybrids evaluated near Columbia (Boone County) on the Agronomy Research Center during 1999-2001.

Planted: 20 April 2001  
 Harvested: 17 September 2001  
 Seeding Rate: 34,200  
 Row Spacing: 30 inches  
 Soil Type: Mexico Silt Loam  
 Soil Test: pH=6.6, OM=2.1, P=54, K=349

Fertilizer: N=300; P2O5=58; K2O=79  
 Herbicide: Pre: Guardsman, Aatrex, Princep  
 Post: None  
 Insecticide: Force 3G  
 Irrigation: 12.1 inches  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=80%, Tunnel Length/Plant=3.10 in.

Growing Season Rainfall: Apr.=3.5, May=5.7, June=5.0, July=4.5, Aug.=2.7 TOTAL=21.4 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>Irrigated Corn</b>								
Pioneer hybrid 31G98	32958	18.9	1	263.3**	--	--	--	--
Dekalb DKC65-26	33186	18.9	0	259.4*	--	--	--	--
Golden Harvest/H-9533Bt	33044	19.4	1	255.9*	183.6	--	219.8	--
Midland 7A14	33269	17.9	4	248.7*	--	--	--	--
Pioneer hybrid 34B24	34046	18.1	1	248.4*	--	--	--	--
Garst 8288	33441	19.0	3	247.5*	--	--	--	--
Midland 7A25Bt	34276	19.4	0	245.8*	--	--	--	--
Pioneer hybrid 33P67	33699	19.6	0	241.8*	226.8*	180.0*	234.3	216.2
Middlekoop 3314Bt	35385	18.2	3	240.8*	--	--	--	--
Middlekoop 1214	33294	18.5	3	240.2*	212.7	--	226.5	--
Mycogen 2833	35571	19.0	0	239.4*	217.3*	--	228.4	--
Croplan Genetics 818	32499	19.4	1	238.9*	204.1	--	221.5	--
NC+ 6359	33474	19.5	3	237.9*	--	--	--	--
Dekalb DKC63-03	35535	17.1	2	235.7*	--	--	--	--
Zimmerman 1851W	33837	20.4	4	231.5*	--	--	--	--
Willcross Ex. CDE	31356	18.8	1	231.3*	--	--	--	--
NK Brand N67-T4	32287	17.2	2	229.9*	218.4*	--	224.2	--
Willcross 3149	32335	18.2	1	229.7*	200.0	--	214.9	--
Middlekoop 912	33017	17.9	1	229.7*	203.8	--	216.8	--
Willcross Ex. BCD	34430	18.2	1	229.0*	--	--	--	--
Asgrow RX828YG	33626	18.6	2	228.7*	--	--	--	--
Stine 9614Bt	32964	19.2	2	228.6*	--	--	--	--
US Seeds US E1122Bt	31195	17.6	3	228.2*	--	--	--	--
Middlekoop 1014	30951	18.6	0	224.9	210.1	172.2	217.5	202.4
Midland 798	32195	19.5	4	224.6	--	174.7	--	--
Nk Brand N72-J5	34924	18.2	5	224.3	--	--	--	--
US Seeds US C1141	32309	17.9	2	224.1	--	--	--	--
Dekalb DKC63-22	33736	19.4	4	221.9	199.6	--	210.8	--
Mycogen 7870	31609	19.0	4	221.3	--	--	--	--
Golden Harvest H-8906	33456	18.1	6	220.8	--	--	--	--
NC+ 5169	31889	17.7	3	220.3	--	--	--	--
Willcross 3100	31444	16.6	2	218.2	--	--	--	--
Garst 8301	30671	18.7	2	214.1	--	--	--	--
Golden Harvest H-9471	33317	18.6	2	211.6	--	--	--	--
Dekalb DKC66-50	35119	18.0	1	210.6	--	--	--	--
Croplan Genetics 743	33217	18.5	1	210.2	--	--	--	--
Golden Harvest/H-9095Bt	34171	18.3	1	210.1	--	--	--	--
Golden Harvest H-9229	33828	19.0	1	206.7	215.7*	--	211.2	--
US Seeds US C1161	32897	18.7	1	204.8	--	--	--	--
Dekalb DKC60-15	34893	18.1	1	203.4	--	--	--	--

TABLE 13. Continued.

Brand-Hybrid	Plants (#/Acre)	Moisture (%)	Lodging (%)	Yield (Bu / Acre)			Means	
				2001	2000	1999	2 Yr.	3 Yr.
Mycogen 8070	34519	19.3	4	202.9	--	--	--	--
Triumph 1866Bt	29032	19.6	1	202.0	--	145.1	--	--
Middlekoop 1216	33115	18.1	1	201.3	211.7	--	206.5	--
Pioneer hybrid 33R77	32096	18.7	1	200.9	--	--	--	--
Golden Harvest H-9403	32097	18.7	0	200.9	212.7	--	206.8	--
Golden Harvest H-9012	34090	16.6	1	199.7	--	--	--	--
Willcross Ex. DEF	33076	17.8	2	198.8	--	--	--	--
Golden Harvest/H-9216	33181	17.4	3	194.3	--	--	--	--
Stine 9615Bt	30583	18.0	2	194.1	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>33084</b>	<b>18.5</b>	<b>2</b>	<b>224.0</b>	<b>202.6</b>	<b>173.1</b>	<b>213.3</b>	<b>199.9</b>
<b>L.S.D. AT .10</b>	<b>2606</b>	<b>1.2</b>	<b>NS</b>	<b>35.7</b>	<b>19.4</b>	<b>24.8</b>		
<b>C.V. %</b>	<b>5.4</b>	<b>4.5</b>		<b>11.6</b>	<b>7.2</b>	<b>10.4</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 14. Performance of Irrigated Corn Hybrids evaluated near Laddonia (Audrain County) on the Jake Freyer Farm during 1999-2001.

Planted: 24 April 2001  
 Harvested: 25 September 2001  
 Seeding Rate: 34,200  
 Row Spacing: 30 inches  
 Soil Type: Mexico Silt Loam  
 Soil Test: pH=6.8, OM=1.7, P=59, K=172

Fertilizer: N=300; P2O5=80; K2O=80  
 Herbicide: Pre: Harness Xtra, Princep, Aatrex  
 Post: Buctril  
 Insecticide: Force 3G  
 Irrigation: 6 inches  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=60%, Tunnel Length/Plant=2.70 in.

Growing Season Rainfall: Apr.=5.0, May=5.5, June=5.6, July=4.2, Aug.=5.8 TOTAL=26.1 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>Irrigated Corn</b>								
Pioneer hybrid 33R77	37417	18.4	3	271.6**	--	--	--	--
Nk Brand N72-J5	39219	16.4	5	252.4*	--	--	--	--
Garst 8288	35067	17.6	6	251.4*	--	--	--	--
Mycogen 2833	39810	17.8	6	246.3	176.8	--	211.6	--
Pioneer hybrid 31G98	36621	18.7	0	243.2	--	--	--	--
Zimmerman 1851W	36056	19.6	1	240.8	--	--	--	--
Garst 8301	33588	18.1	3	240.0	--	--	--	--
Dekalb DKC66-50	37357	16.4	9	236.2	--	--	--	--
Croplan Genetics 743	36153	16.6	0	234.2	--	--	--	--
Middlekoop 1214	35840	16.4	6	233.7	166.0	--	199.9	--
Golden Harvest H-9471	37085	17.7	0	231.7	--	--	--	--
Dekalb DKC63-03	39085	16.7	1	231.5	--	--	--	--
Golden Harvest H-9403	36948	17.2	6	229.3	158.6	--	194.0	--
US Seeds US E1122Bt	35066	16.8	0	229.3	--	--	--	--
Dekalb DKC60-15	36616	17.0	2	228.0	--	--	--	--
Dekalb DKC65-26	36264	17.6	1	227.6	--	--	--	--
NC+ 6359	36373	17.8	6	226.1	--	--	--	--
Middlekoop 1014	35108	17.1	13	224.9	138.8	170.0	181.9	177.9
Willcross Ex. CDE	35290	17.3	3	223.8	--	--	--	--
Midland 7A25Bt	35644	16.9	3	223.7	--	--	--	--
US Seeds US C1141	36705	15.6	1	223.6	--	--	--	--
Dekalb DKC63-22	39492	17.2	3	223.0	162.2	--	192.6	--
Golden Harvest H-8906	34646	15.7	1	222.4	--	--	--	--
Willcross Ex. BCD	35197	16.5	9	222.3	--	--	--	--
Golden Harvest/H-9216	36873	17.0	7	221.8	--	--	--	--
Golden Harvest H-9229	32921	17.0	4	221.6	162.2	--	191.9	--
Middlekoop 3314Bt	36735	16.2	3	220.5	--	--	--	--
Golden Harvest/H-9095Bt	37139	15.7	2	219.5	--	--	--	--
Croplan Genetics 818	37258	17.5	2	218.6	159.1	--	188.9	--
NC+ 5169	35850	16.6	3	217.5	--	--	--	--
Asgrow RX828YG	36364	17.4	4	214.9	--	--	--	--
Golden Harvest/H-9533Bt	36476	18.1	1	214.8	155.4	--	185.1	--
Mycogen 7870	36286	17.8	6	214.5	--	--	--	--
NK Brand N67-T4	38236	14.1	2	214.1	181.4	--	197.8	--
Pioneer hybrid 34B24	37113	16.0	4	213.7	--	--	--	--
Willcross 3149	36425	15.8	12	213.5	163.3	--	188.4	--
Midland 7A14	37201	16.2	1	213.2	--	--	--	--
US Seeds US C1161	37800	17.6	7	212.7	--	--	--	--
Middlekoop 912	33677	16.0	5	211.3	177.4	--	194.4	--
Pioneer hybrid 33P67	37290	17.9	4	209.4	178.0	181.1*	193.7	189.5

TABLE 14. Continued.

Brand-Hybrid	Plants (#/Acre)	Moisture (%)	Lodging (%)	Yield (Bu / Acre)			Means	
				2001	2000	1999	2 Yr.	3 Yr.
Midland 798	33882	17.5	1	209.3	--	161.2	--	--
Mycogen 8070	36098	17.0	13	209.0	--	--	--	--
Middlekoop 1216	35223	16.9	10	205.2	183.7**	--	194.5	--
Golden Harvest H-9012	34514	16.3	0	202.0	--	--	--	--
Stine 9614Bt	36492	16.0	3	201.1	--	--	--	--
Stine 9615Bt	36603	16.6	3	200.2	--	--	--	--
Willcross Ex. DEF	37732	15.1	2	199.9	--	--	--	--
Willcross 3100	36476	13.8	2	198.5	--	--	--	--
Triumph 1866Bt	33104	17.0	27	197.5	--	133.4	--	--
<b>TRIAL AVERAGE</b>	<b>36335</b>	<b>16.9</b>	<b>4</b>	<b>222.3</b>	<b>164.2</b>	<b>164.6</b>	<b>193.3</b>	<b>183.7</b>
<b>L.S.D. AT .10</b>	<b>3152</b>	<b>1.0</b>	<b>8</b>	<b>21.4</b>	<b>NS</b>	<b>19.5</b>		
<b>C.V. %</b>	<b>6</b>	<b>4.4</b>		<b>6.6</b>	<b>11.6</b>	<b>8.6</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 15. Performance Summary for Irrigated Corn Hybrids evaluated at Two Central Missouri locations (Columbia, Laddonia) during 2001.

Columbia  
 Planted: 20 April 2001  
 Harvested: 17 September 2001  
 Growing Season Rainfall: 21.4 in.  
 Irrigation: 12.1 inches

Laddonia  
 Planted: 24 April 2001  
 Harvested: 25 September 2001  
 Growing Season Rainfall: 26.1 in.  
 Irrigation: 6 inches

Brand-Hybrid	Lodging (%)			Yield (Bu/Acre)		
	Columbia	Laddonia	Mean	Columbia	Laddonia	Mean
<b>Irrigated Corn</b>						
Pioneer hybrid 31G98	1	0	1	263.3**	243.2	253.2**
Garst 8288	3	6	4	247.5*	251.4*	249.4*
Dekalb DKC65-26	0	1	1	259.4*	227.6	243.5*
Mycogen 2833	0	6	3	239.4*	246.3	242.8*
Nk Brand N72-J5	5	5	5	224.3	252.4*	238.3*
Middlekoop 1214	3	6	4	240.2*	233.7	236.9*
Pioneer hybrid 33R77	1	3	2	200.9	271.6**	236.2*
Zimmerman 1851W	4	1	2	231.5*	240.8	236.2*
Golden Harvest/H-9533Bt	1	1	1	255.9*	214.8	235.3*
Midland 7A25Bt	0	3	2	245.8*	223.7	234.8*
Dekalb DKC63-03	2	1	2	235.7*	231.5	233.6*
NC+ 6359	3	6	5	237.9*	226.1	232.0
Pioneer hybrid 34B24	1	4	2	248.4*	213.7	231.0
Midland 7A14	4	1	2	248.7*	213.2	230.9
Middlekoop 3314Bt	3	3	3	240.8*	220.5	230.6
Croplan Genetics 818	1	2	1	238.9*	218.6	228.8
US Seeds US E1122Bt	3	0	1	228.2*	229.3	228.8
Willcross Ex. CDE	1	3	2	231.3*	223.8	227.6
Garst 8301	2	3	2	214.1	240.0	227.0
Willcross Ex. BCD	1	9	5	229.0*	222.3	225.6
Pioneer hybrid 33P67	0	4	2	241.8*	209.4	225.6
Middlekoop 1014	0	13	7	224.9	224.9	224.9
US Seeds US C1141	2	1	2	224.1	223.6	223.8
Dekalb DKC66-50	1	9	5	210.6	236.2	223.4
Dekalb DKC63-22	4	3	4	221.9	223.0	222.4
Croplan Genetics 743	1	0	1	210.2	234.2	222.2
NK Brand N67-T4	2	2	2	229.9*	214.1	222.0
Asgrow RX828YG	2	4	3	228.7*	214.9	221.8
Golden Harvest H-9471	2	0	1	211.6	231.7	221.6
Golden Harvest H-8906	6	1	3	220.8	222.4	221.6
Willcross 3149	1	12	6	229.7*	213.5	221.6
Middlekoop 912	1	5	3	229.7*	211.3	220.5
NC+ 5169	3	3	3	220.3	217.5	218.9
Mycogen 7870	4	6	5	221.3	214.5	217.9
Midland 798	4	1	2	224.6	209.3	217.0
Dekalb DKC60-15	1	2	2	203.4	228.0	215.7
Golden Harvest H-9403	0	6	3	200.9	229.3	215.1
Stine 9614Bt	2	3	2	228.6*	201.1	214.8
Golden Harvest/H-9095Bt	1	2	1	210.1	219.5	214.8
Golden Harvest H-9229	1	4	2	206.7	221.6	214.2
US Seeds US C1161	1	7	4	204.8	212.7	208.8
Willcross 3100	2	2	2	218.2	198.5	208.3
Golden Harvest/H-9216	3	7	5	194.3	221.8	208.0
Mycogen 8070	4	13	8	202.9	209.0	205.9
Middlekoop 1216	1	10	6	201.3	205.2	203.2

TABLE 15. Continued.

Brand-Hybrid	Lodging (%)			Yield (Bu/Acre)		
	Columbia	Laddonia	Mean	Columbia	Laddonia	Mean
<b>Irrigated Corn</b>						
Golden Harvest H-9012	1	0	0	199.7	202.0	200.8
Triumph 1866Bt	1	27	14	202.0	197.5	199.8
Willcross Ex. DEF	2	2	2	198.8	199.9	199.3
Stine 9615Bt	2	3	3	194.1	200.2	197.2
<b>TRIAL AVERAGE</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>224.0</b>	<b>222.3</b>	<b>223.2</b>
<b>L.S.D. AT .10</b>	<b>NS</b>	<b>8</b>	<b>8</b>	<b>35.7</b>	<b>21.4</b>	<b>20.6</b>
<b>C.V. %</b>				<b>11.6</b>	<b>6.6</b>	<b>9.1</b>

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

TABLE 16. Performance of Irrigated Corn Hybrids evaluated near Garden City (Cass County) on the Roth Farm during 1999-2001.

Planted: 19 April 2001  
 Harvested: 30 August 2001  
 Seeding Rate: 34,200  
 Row Spacing: 30 inches  
 Soil Type: Haig Silt Loam  
 Soil Test: pH=6.3, OM=2.6, P=86, K=264

Fertilizer: N=170; P2O5=0; K2O=0  
 Herbicide: Pre: Bicep, Aatrex  
 Post: Permit, Beacon  
 Insecticide: Force 3G, Warrior  
 Irrigation: 3.75 inches  
 Previous Crop: Soybean

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

Growing Season Rainfall: Apr.=2.7, May=6.8, June=10.7, July=3.7, Aug.=5.7 TOTAL=29.6 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>Irrigated Corn</b>								
Croplan Genetics 818	38914	23.4	5	251.2**	192.6	--	221.9	--
Midland 7A15	33104	21.2	6	246.9	205.4*	--	226.2	--
Stine 9614Bt	32322	21.0	5	245.7	--	--	--	--
Garst 8288	31678	23.3	7	244.5	--	--	--	--
Dekalb DKC66-50	33116	23.5	13	242.1	--	--	--	--
Pioneer hybrid 33P67	30132	22.4	7	242.0	204.0*	--	223.0	--
Midland 7A25Bt	32078	22.7	10	240.8	--	--	--	--
Pioneer hybrid 31G98	32449	21.6	4	237.7	--	--	--	--
Nk Brand N72-J5	36866	21.4	7	237.0	--	--	--	--
Dekalb DKC63-03	32697	19.4	10	236.3	--	--	--	--
Mycogen 7821Bt	36424	21.7	14	233.1	203.4*	154.7	218.3	197.1
Pioneer hybrid 33R77	34214	21.4	3	232.4	--	--	--	--
NK Brand N67-T4	35333	20.0	3	231.4	206.9*	--	219.2	--
Dekalb DKC65-26	30934	20.9	3	230.7	--	--	--	--
Triumph 1120BtRR	33166	19.5	16	227.6	--	--	--	--
Croplan Genetics 743	30007	21.2	13	226.5	--	--	--	--
Triumph 1514ABt	32588	20.5	7	226.3	194.3	--	210.3	--
Willcross Ex. EFG	32237	20.1	4	224.4	--	--	--	--
Mycogen 2833	33173	21.5	3	224.0	200.0*	--	212.0	--
Dekalb DKC63-22	35484	21.4	0	223.4	190.1	--	206.8	--
Pioneer hybrid 34B24	30127	19.7	12	222.2	--	--	--	--
Garst 8301	28293	24.0	6	220.8	--	--	--	--
Asgrow RX828YG	30469	20.4	12	216.3	--	--	--	--
Willcross Ex. FGH	33791	19.6	17	215.7	--	--	--	--
NC+ 6871B	30488	23.6	10	214.8	--	--	--	--
US Seeds US C1141	30336	19.3	4	211.4	--	--	--	--
US Seeds US E1122Bt	30133	19.9	14	209.4	--	--	--	--
Willcross 3149	32399	20.0	12	209.0	203.0*	--	206.0	--
Willcross 3100	33621	18.6	16	206.9	--	--	--	--
Triumph 1866Bt	28034	22.2	14	205.0	183.3	143.2	194.2	177.2
Middlekoop 1216	25451	23.3	18	202.3	187.5	--	194.9	--
Middlekoop 912	27904	20.1	11	201.8	--	--	--	--
Asgrow RX740	30345	19.4	4	201.8	--	164.7*	--	--
Middlekoop 1214	29088	22.3	20	201.2	205.1*	--	203.2	--
Zimmerman 1851W	30681	25.9	3	199.6	--	--	--	--

TABLE 16. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000	1999		
Middlekoop 3314Bt	31851	21.9	11	199.2	--	--	--	--
Middlekoop 1014	28793	22.8	1	197.0	--	123.8	--	--
US Seeds US C1161	34014	21.2	5	185.2	--	--	--	--
Willcross Ex. ABC	28171	21.1	18	175.2	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>31818</b>	<b>21.4</b>	<b>9</b>	<b>220.5</b>	<b>187.9</b>	<b>142.1</b>	<b>204.2</b>	<b>183.5</b>
<b>L.S.D. AT .10</b>	<b>NS</b>	<b>1.8</b>	<b>NS</b>	<b>NS</b>	<b>22.1</b>	<b>21.5</b>		
<b>C.V. %</b>	<b>14.4</b>	<b>6.4</b>		<b>12.5</b>	<b>8.6</b>	<b>9.0</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 17. Performance of Irrigated Corn Hybrids evaluated near Lamar (Barton County) on the Ron Bean Farm during 1999-2001.

Planted: 9 April 2001  
 Harvested: 7 September 2001  
 Seeding Rate: 34,200  
 Row Spacing: 30 inches  
 Soil Type: Parson Silt Loam  
 Soil Test: pH=7.0, OM=2.2, P=60, K=278

Fertilizer: N=180; P2O5=0; K2O=0  
 Herbicide: Pre: Harness Xtra, Princep, Aatrex  
 Post: Liberty (Directed)  
 Insecticide: Force 3G  
 Irrigation: 4.0 inches  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=4%, Tunnel Length/Plant=1.25 in.

Growing Season Rainfall: Apr.=3.7, May=7.1, June=5.8, July=3.4, Aug.=2.3 TOTAL=22.3 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means		
	(#/Acre)	(%)	(%)	(Bu / Acre)	2001	2000	1999	2 Yr.	3 Yr.
<b>Irrigated Corn</b>									
Dekalb DKC65-26	34971	15.7	0	234.8**	--	--	--	--	--
Middlekoop 1014	33099	15.5	2	228.7*	--	148.3	--	--	--
Pioneer hybrid 33P67	31599	16.1	0	226.8*	193.0*	--	209.9	--	--
Triumph 1120BtRR	33636	14.4	1	225.0*	--	--	--	--	--
US Seeds US E1122Bt	32432	14.2	4	221.8*	--	--	--	--	--
Garst 8288	33896	16.4	2	221.5*	--	--	--	--	--
Pioneer hybrid 34B24	34921	14.5	1	221.1*	--	--	--	--	--
Garst 8301	30145	15.9	0	219.6*	--	--	--	--	--
Pioneer hybrid 33R77	32704	16.6	1	218.4*	--	--	--	--	--
Pioneer hybrid 31G98	33729	15.6	1	216.2*	--	--	--	--	--
Willcross Ex. EFG	33452	15.4	1	216.1*	--	--	--	--	--
Midland 7A25Bt	32145	15.8	2	215.7*	--	--	--	--	--
Asgrow RX740	31752	14.4	1	215.3*	--	147.7	--	--	--
Croplan Genetics 818	34008	16.4	1	215.3*	197.0*	--	206.2	--	--
Middlekoop 912	32915	14.6	5	214.8*	--	--	--	--	--
Dekalb DKC63-22	34408	15.0	1	211.9*	195.1*	--	203.5	--	--
Stine 9614Bt	33669	15.3	1	211.7*	--	--	--	--	--
Middlekoop 1214	32215	15.3	0	209.9*	193.3*	--	201.6	--	--
US Seeds US C1141	34969	14.8	1	209.6*	--	--	--	--	--
NC+ 6871B	34916	16.0	2	208.2*	--	--	--	--	--
Triumph 1866Bt	31596	15.4	5	205.7	184.2	123.2	195.0	171.0	--
Croplan Genetics 743	33021	13.6	2	205.3	--	--	--	--	--
Triumph 1514ABt	31953	14.8	1	205.2	188.7*	--	197.0	--	--
Nk Brand N72-J5	35800	15.1	0	204.6	--	--	--	--	--
Dekalb DKC63-03	33479	14.2	1	204.1	--	--	--	--	--
Mycogen 7821Bt	34553	15.8	2	202.8	199.1**	144.3	201.0	182.1	--
NK Brand N67-T4	32979	14.1	1	201.4	192.9*	--	197.2	--	--
Midland 7A15	34627	15.2	2	200.4	184.2	--	192.3	--	--
Dekalb DKC66-50	31918	15.3	0	200.3	--	--	--	--	--
Willcross Ex. FGH	34820	14.0	2	199.6	--	--	--	--	--
Willcross 3100	34902	14.0	3	199.0	--	--	--	--	--
Willcross Ex. ABC	32494	15.8	3	197.1	--	--	--	--	--
Mycogen 2833	33757	14.3	2	195.5	186.9*	--	191.2	--	--
Middlekoop 3314Bt	33379	15.1	3	194.5	--	--	--	--	--
Willcross 3149	32830	14.1	3	193.2	180.7	--	187.0	--	--

TABLE 17. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000	1999		
US Seeds US C1161	33079	14.8	2	191.8	--	--	--	--
Asgrow RX828YG	33200	15.3	2	184.4	--	--	--	--
Zimmerman 1851W	34340	17.8	2	180.8	--	--	--	--
Middlekoop 1216	34522	15.5	6	180.3	166.4	--	173.4	--
<b>TRIAL AVERAGE</b>	<b>33406</b>	<b>15.2</b>	<b>2</b>	<b>207.9</b>	<b>182.6</b>	<b>144.2</b>	<b>195.3</b>	<b>178.2</b>
<b>L.S.D. AT .10</b>	<b>NS</b>	<b>1.0</b>	<b>2</b>	<b>28.7</b>	<b>13.9</b>	<b>30.8</b>		
<b>C.V. %</b>	<b>5.5</b>	<b>4.9</b>		<b>9.4</b>	<b>5.6</b>	<b>12.8</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 18. Performance Summary for Irrigated Corn Hybrids evaluated at Two Southwest Missouri locations (Garden City, Lamar) during 2001.

Garden City  
 Planted: 19 April 2001  
 Harvested: 30 August 2001  
 Growing Season Rainfall: 29.6 in.  
 Irrigation: 3.75 inches

Lamar  
 Planted: 9 April 2001  
 Harvested: 7 September 2001  
 Growing Season Rainfall: 22.3 in.  
 Irrigation: 4.0 inches

Brand-Hybrid	Lodging (%)			Yield (Bu/Acre)		
	Garden City	Lamar	Mean	Garden City	Lamar	Mean
<b>Irrigated Corn</b>						
Pioneer hybrid 33P67	7	0	4	242.0	226.8*	234.4**
Croplan Genetics 818	5	1	3	251.2**	215.3*	233.2*
Garst 8288	7	2	5	244.5	221.5*	233.0*
Dekalb DKC65-26	3	0	2	230.7	234.8**	232.8*
Stine 9614Bt	5	1	3	245.7	211.7*	228.7*
Midland 7A25Bt	10	2	6	240.8	215.7*	228.2*
Pioneer hybrid 31G98	4	1	2	237.7	216.2*	226.9*
Triumph 1120BtRR	16	1	9	227.6	225.0*	226.3*
Pioneer hybrid 33R77	3	1	2	232.4	218.4*	225.4*
Midland 7A15	6	2	4	246.9	200.4	223.6*
Pioneer hybrid 34B24	12	1	7	222.2	221.1*	221.6*
Dekalb DKC66-50	13	0	7	242.1	200.3	221.2*
Nk Brand N72-J5	7	0	4	237.0	204.6	220.8*
Willcross Ex. EFG	4	1	2	224.4	216.1*	220.2*
Dekalb DKC63-03	10	1	5	236.3	204.1	220.2*
Garst 8301	6	0	3	220.8	219.6*	220.2*
Mycogen 7821Bt	14	2	8	233.1	202.8	218.0*
Dekalb DKC63-22	0	1	0	223.4	211.9*	217.6*
NK Brand N67-T4	3	1	2	231.4	201.4	216.4*
Croplan Genetics 743	13	2	7	226.5	205.3	215.9*
Triumph 1514ABt	7	1	4	226.3	205.2	215.8*
US Seeds US E1122Bt	14	4	9	209.4	221.8*	215.6*
Middlekoop 1014	1	2	2	197.0	228.7*	212.8*
NC+ 6871B	10	2	6	214.8	208.2*	211.5*
US Seeds US C1141	4	1	3	211.4	209.6*	210.5*
Mycogen 2833	3	2	2	224.0	195.5	209.8
Asgrow RX740	4	1	2	201.8	215.3*	208.6
Middlekoop 912	11	5	8	201.8	214.8*	208.3
Willcross Ex. FGH	17	2	9	215.7	199.6	207.6
Middlekoop 1214	20	0	10	201.2	209.9*	205.5
Triumph 1866Bt	14	5	10	205.0	205.7	205.3
Willcross 3100	16	3	10	206.9	199.0	202.9
Willcross 3149	12	3	8	209.0	193.2	201.1
Asgrow RX828YG	12	2	7	216.3	184.4	200.3
Middlekoop 3314Bt	11	3	7	199.2	194.5	196.8

TABLE 18. Continued.

Brand-Hybrid	Lodging (%)			Yield (Bu/Acre)		
	Garden City	Lamar	Mean	Garden City	Lamar	Mean
<b>Irrigated Corn</b>						
Middlekoop 1216	18	6	12	202.3	180.3	191.3
Zimmerman 1851W	3	2	3	199.6	180.8	190.2
US Seeds US C1161	5	2	4	185.2	191.8	188.5
Willcross Ex. ABC	18	3	10	175.2	197.1	186.2
<b>TRIAL AVERAGE</b>	<b>9</b>	<b>2</b>	<b>5</b>	<b>220.5</b>	<b>207.9</b>	<b>214.2</b>
<b>L.S.D. AT .10</b>	<b>NS</b>	<b>2</b>	<b>2</b>	<b>NS</b>	<b>28.7</b>	<b>23.8</b>
<b>C.V. %</b>				<b>12.5</b>	<b>9.4</b>	<b>11.0</b>

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

TABLE 19. Performance of Irrigated Corn Hybrids evaluated near Oran (Scott County) on the Glenn Nothdurft Farm during 1999-2001.

Planted: 10 April 2001  
 Harvested: 28 August 2001  
 Seeding Rate: 34,200  
 Row Spacing: 30 inches  
 Soil Type: Commerce Silt Loam  
 Soil Test: pH=6.0, OM=2.2, P=157, K=347

Fertilizer: N=195; P2O5=40; K2O=80  
 Herbicide: Pre: Aatrex, FullTime  
 Post: Aim  
 Insecticide: Force 3G  
 Irrigation: 5.5 inches  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=0%, Tunnel Length/Plant=0.0 in.

Growing Season Rainfall: Apr.=2.6, May=4.3, June=2.2, July=6.6, Aug.=1.4 TOTAL=17.1 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield		Means		
	(#/Acre)	(%)	(%)	(Bu / Acre)		2 Yr.	3 Yr.	
		2001		2001	2000	1999		
<b>Irrigated Corn</b>								
Pioneer hybrid 31A13	33331	22.5	0	273.2**	--	--	--	--
Pioneer hybrid 31G98	33212	21.1	0	271.0*	252.9*	--	262.0	--
Mycogen 2833	32054	18.5	0	266.9*	237.7*	--	252.3	--
Pioneer hybrid 33P67	31562	20.4	0	266.0*	--	--	--	--
Golden Harvest/H-9533Bt	33084	19.4	0	262.5*	--	--	--	--
Garst 8288	29293	20.4	0	260.4*	--	--	--	--
Pioneer hybrid 33J56	32327	18.4	0	258.6*	219.8	234.9	239.2	237.8
Garst 8222IT	31449	20.0	0	257.2*	257.6**	181.2	257.4	232.0
Pioneer hybrid 33R77	30681	20.0	0	255.9*	--	--	--	--
Vigoro V5520	32069	18.8	0	255.4*	--	--	--	--
AgVenture AV817Bt	31553	19.2	0	254.4*	--	--	--	--
Dekalb DKC66-50	33325	19.0	0	253.6*	--	--	--	--
AgriGold A6540	30806	19.2	0	253.0*	238.6*	--	245.8	--
FFR 769Bt	33082	19.3	0	252.9*	211.8	229.8	232.4	231.5
Willcross Ex. ABC	30936	19.5	0	252.8*	--	--	--	--
Vigoro V55Y21	31823	18.2	0	252.4	--	--	--	--
Pfister 3977Bt	31439	20.3	0	251.5	--	232.6	--	--
NK Brand N63-G7	32968	17.7	0	251.1	--	227.7	--	--
FFR 730Bt	31187	19.5	1	250.9	253.6*	--	252.3	--
Lewis 5360Bt	32566	19.1	0	250.4	--	--	--	--
Pioneer Hybrid 33G30	32702	18.1	0	249.9	--	--	--	--
Croplan Genetics 818	30563	19.3	0	249.5	--	--	--	--
Crows 4908	32699	17.9	0	249.0	204.8	--	226.9	--
AgVenture AV825	31177	19.1	1	248.8	220.2	--	234.5	--
Golden Harvest H-9229	31701	19.1	0	247.3	219.7	--	233.5	--
Golden Harvest H-9403	32206	21.1	1	247.2	245.3*	--	246.3	--
Garst 8366 Bt	31192	19.1	5	246.4	--	231.4	--	--
Willcross Ex. GHI	30425	18.8	0	246.3	--	--	--	--
Pioneer hybrid 34B23	32579	16.8	0	246.2	211.4	209.7	228.8	222.4
FFR 726	30213	17.6	0	246.2	230.0	50.9	238.1	175.7
Mycogen 6920Bt	30795	19.1	0	245.7	--	--	--	--
Golden Harvest H-9471	33076	19.1	0	243.4	--	--	--	--
Pioneer hybrid 33J57	29042	17.6	0	242.5	--	--	--	--
Pioneer hybrid 33A14	32065	18.1	2	242.2	230.2	242.5*	236.2	238.3
AgriGold A6445	30931	18.6	0	242.1	--	--	--	--
Pfister 3350	31442	20.2	0	241.4	--	--	--	--
Croplan Genetics 678	32832	19.6	1	241.0	--	--	--	--
Gateway 2140	31059	19.3	0	240.9	--	--	--	--
Crows 5165B	31060	18.8	0	239.9	--	--	--	--
Dekalb DK697	30309	23.1	0	239.4	242.9*	254.6**	241.2	245.6

TABLE 19. Continued.

Brand-Hybrid	Plants (#/Acre)	Moisture (%)	Lodging (%)	Yield (Bu / Acre)			Means	
				2001	2000	1999	2 Yr.	3 Yr.
AgVenture AV817	29926	18.7	0	239.1	--	--	--	--
Pioneer hybrid 34B24	31056	17.3	0	238.6	--	--	--	--
Mycogen 7821Bt	31050	19.4	0	238.5	244.8*	235.2	241.7	239.5
Dyna-Gro 5570	30551	19.2	0	238.5	--	--	--	--
Triumph 1514ABt	31564	19.1	0	238.3	221.3	--	229.8	--
Stine 9614Bt	30814	19.7	0	238.2	--	--	--	--
Dekalb DKC68-70	30428	22.6	0	238.0	--	--	--	--
AgriGold XA4902Bt	30177	19.2	0	237.5	--	--	--	--
Croplan Genetics 733Bt	31566	18.0	0	237.0	--	--	--	--
AgriGold A6590	28542	18.8	1	236.9	238.2*	227.6	237.6	234.2
AgVenture AV824Bt	31194	19.0	0	236.8	238.4*	--	237.6	--
NK Brand N72-V7	30675	18.7	0	236.8	--	--	--	--
AgVenture AV812Bt	30177	17.5	2	236.7	248.7*	--	242.7	--
Gateway 9411Bt	30061	18.6	0	236.2	--	--	--	--
Willcross 3179	32197	20.6	0	236.1	--	--	--	--
NK Brand N67-T4	31574	19.0	0	235.9	--	--	--	--
Dekalb DKC63-03	31811	17.8	0	235.6	--	--	--	--
Gateway 4151	29420	19.9	0	234.6	--	--	--	--
FFR 748	30306	19.2	0	234.4	216.5	244.6*	225.5	231.8
Croplan Genetics 743	29671	17.5	0	234.2	--	--	--	--
Pioneer hybrid 31B13	32202	20.4	0	234.0	245.6*	236.4	239.8	238.7
Dyna-Gro 5515	31315	19.6	0	233.5	--	--	--	--
Dyna-Gro X15556Bt	30561	17.6	0	232.9	--	--	--	--
Willcross 3100	31442	18.1	0	232.5	--	--	--	--
Zimmerman 1851W	31561	22.2	2	231.9	214.3	--	223.1	--
Asgrow RX828YG	31440	19.8	0	231.1	--	--	--	--
Triumph 1120BtRR	31311	18.6	0	230.4	--	--	--	--
Dekalb DKC69-70	30296	23.8	0	230.2	--	--	--	--
AgVenture AV782	31057	19.4	0	228.4	241.4*	--	234.9	--
Garst 8301	27781	20.1	0	228.0	--	--	--	--
AgriGold A6620	28788	19.6	0	227.1	223.9	--	225.5	--
AgriGold A6729Bt	31929	20.2	3	226.7	232.7	--	229.7	--
FFR 736Bt	29174	18.2	0	226.6	--	--	--	--
Triumph 1866Bt	29545	19.3	0	226.5	--	208.0	--	--
Crows 5060	27155	17.2	0	224.9	--	--	--	--
Stine 9615Bt	31448	17.6	1	224.5	--	--	--	--
Willcross Ex. HIJ	28157	17.3	0	222.3	--	--	--	--
NK Brand N83-Z8	29672	22.0	0	221.7	--	--	--	--
Golden Harvest H-9012	30549	17.0	0	218.1	--	--	--	--
Dyna-Gro 5518	30558	19.8	0	217.4	--	--	--	--
Pfister 3801	31692	18.1	0	215.8	--	--	--	--
Vigoro V5720	32571	18.4	0	211.0	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>31095</b>	<b>19.2</b>	<b>0</b>	<b>241.0</b>	<b>230.0</b>	<b>223.5</b>	<b>235.5</b>	<b>231.5</b>
<b>L.S.D. AT .10</b>	<b>2314</b>	<b>1.2</b>	<b>NS</b>	<b>20.6</b>	<b>20.1</b>	<b>18.1</b>		
<b>C.V. %</b>	<b>5.5</b>	<b>4.5</b>		<b>6.2</b>	<b>6.4</b>	<b>5.9</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 20. Performance of Irrigated Corn Hybrid evaluated near Charleston (Mississippi County) on the C & D Glenn - Helen Byrd Farm during 1999-2001.

Planted: 6 April 2001  
 Harvested: 27 August 2001  
 Seeding Rate: 34,200  
 Row Spacing: 30 inches  
 Soil Type: Commerce Silt Loam  
 Soil Test: pH=6.6, OM=2.4, P=102, K=404

Fertilizer: N=260; P2O5=140; K2O=140  
 Herbicide: Pre: Harness Extra  
 Post: Hi-Dep  
 Insecticide: Force 3G  
 Irrigation: 5.2 inches  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=3%, Tunnel Length/Plant=.75 in.

Growing Season Rainfall: Apr.=1.0, May=2.6, June=3.0, July=6.3, Aug.=3.2 TOTAL=16.1 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>Irrigated Corn</b>								
Croplan Genetics 818	31750	18.3	0	252.2**	--	--	--	--
AgVenture AV782	33560	16.8	0	251.4*	226.3*	--	238.9	--
Pioneer hybrid 33J56	30160	16.7	0	248.9*	236.6**	227.1*	242.8	237.5
Pioneer hybrid 33P67	28630	18.4	0	248.6*	--	--	--	--
Garst 8288	30749	18.3	0	248.1*	--	--	--	--
AgriGold A6445	31445	17.2	0	247.8*	--	--	--	--
Pioneer hybrid 33R77	29198	17.8	0	247.3*	--	--	--	--
Garst 8222IT	28489	18.8	0	247.1*	223.9*	234.4*	235.5	235.1
Vigoro V5520	31191	17.5	0	246.0*	--	--	--	--
Pioneer hybrid 31G98	29785	18.6	0	245.6*	233.2*	--	239.4	--
Pfister 3977Bt	29826	18.1	0	245.4*	--	228.5*	--	--
Pioneer hybrid 31A13	29989	19.6	0	244.8*	--	--	--	--
Pioneer hybrid 33J57	29480	16.7	0	243.0*	--	--	--	--
Willcross Ex. ABC	31576	17.2	1	242.9*	--	--	--	--
Mycogen 7821Bt	30594	18.0	0	242.6*	231.6*	230.1*	237.1	234.8
AgriGold A6540	32106	17.8	0	241.9*	223.9*	--	232.9	--
Golden Harvest H-9403	30265	16.7	0	241.4*	223.2*	--	232.3	--
AgVenture AV812Bt	31433	16.2	0	240.3*	234.7*	--	237.5	--
AgriGold A6590	31286	17.9	0	239.9*	234.4*	245.3*	237.2	239.9
Pioneer Hybrid 33G30	32890	16.9	0	239.3*	--	--	--	--
Mycogen 6920Bt	30317	17.4	0	239.3*	--	--	--	--
Zimmerman 1851W	32494	19.7	0	237.1*	204.2	--	220.7	--
Crows 4908	32998	16.8	0	236.7*	210.5	--	223.6	--
FFR 769Bt	30965	18.0	1	236.7*	217.5	221.3	227.1	225.2
Willcross Ex. GHI	29864	17.2	0	236.5*	--	--	--	--
Croplan Genetics 743	30637	16.6	0	235.6*	--	--	--	--
Golden Harvest/H-9533Bt	31714	17.4	0	234.7*	--	--	--	--
FFR 730Bt	29442	18.6	0	233.4*	211.7	--	222.6	--
Garst 8301	27070	17.6	0	232.9*	--	--	--	--
Willcross Ex. HIJ	30269	17.7	0	232.7*	--	--	--	--
Crows 5165B	29892	17.6	0	232.6*	--	--	--	--
Gateway 2140	31100	17.9	0	232.5*	--	--	--	--
Croplan Genetics 733Bt	30055	17.2	0	231.6*	--	--	--	--
Pioneer hybrid 33A14	29738	16.8	0	231.5*	228.2*	203.2	229.9	221.0
Dekalb DKC69-70	30489	20.8	0	231.3*	--	--	--	--
AgVenture AV817Bt	30880	17.7	0	231.0*	--	--	--	--
AgVenture AV825	29462	16.7	0	230.7*	212.7	--	221.7	--
FFR 736Bt	28907	18.6	0	230.6*	--	--	--	--
Mycogen 2833	30942	16.6	0	230.2*	214.8	--	222.5	--
Garst 8366 Bt	30502	17.2	0	230.1*	--	226.5	--	--

TABLE 20. Continued.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
		2001		2001	2000	1999		
Gateway 9411Bt	31955	17.4	0	230.0*	--	--	--	--
Dekalb DKC63-03	29521	15.9	0	229.0*	--	--	--	--
Pioneer hybrid 34B23	32219	15.9	0	229.0*	214.8	208.4	221.9	217.4
Pioneer hybrid 34B24	30251	16.0	0	228.6*	--	--	--	--
Vigoro V55Y21	31930	17.6	0	228.5	--	--	--	--
NK Brand N72-V7	30253	17.1	0	228.4	--	--	--	--
Stine 9614Bt	28077	17.6	0	228.3	--	--	--	--
Golden Harvest H-9471	31065	17.9	0	228.1	--	--	--	--
AgriGold XA4902Bt	27294	17.1	0	227.2	--	--	--	--
Dekalb DKC68-70	31978	19.5	1	226.5	--	--	--	--
FFR 748	29988	17.8	0	225.9	210.5	232.6*	218.2	223.0
Golden Harvest H-9012	29854	16.1	0	225.6	--	--	--	--
AgriGold A6729Bt	31467	18.1	1	225.6	221.1*	--	223.4	--
NK Brand N83-Z8	30473	19.4	0	225.0	--	--	--	--
Croplan Genetics 678	31033	17.2	0	224.6	--	--	--	--
Dyna-Gro 5515	30748	17.9	0	224.4	--	--	--	--
NK Brand N63-G7	32024	15.6	0	224.2	--	208.2	--	--
Pioneer hybrid 31B13	30513	17.7	0	223.9	215.4	235.2*	219.7	224.8
Golden Harvest H-9229	32347	16.6	0	223.4	210.4	--	216.9	--
Triumph 1514ABt	29934	17.2	0	223.3	228.8*	--	226.1	--
Willcross 3179	32090	18.8	0	223.2	--	--	--	--
AgriGold A6620	28445	18.5	0	223.1	215.1	--	219.1	--
NK Brand N67-T4	31419	16.3	0	222.8	--	--	--	--
AgVenture AV817	31905	17.4	0	222.8	--	--	--	--
Lewis 5360Bt	29101	16.8	0	220.8	--	--	--	--
AgVenture AV824Bt	30343	17.2	0	220.4	225.9*	--	223.2	--
Dyna-Gro X15556Bt	29357	16.4	0	219.9	--	--	--	--
Dyna-Gro 5518	27732	18.6	0	219.3	--	--	--	--
Dekalb DK697	32743	18.7	0	219.1	218.6	235.2*	218.9	224.3
Vigoro V5720	33218	16.9	0	218.6	--	--	--	--
Gateway 4151	27599	17.6	0	217.6	--	--	--	--
Dekalb DKC66-50	30762	17.1	0	216.6	--	--	--	--
Stine 9615Bt	28359	15.9	0	214.8	--	--	--	--
Triumph 1866Bt	28469	18.0	0	212.2	--	196.7	--	--
Pfister 3350	28973	17.7	0	210.1	--	--	--	--
Pfister 3801	31363	16.9	0	209.5	--	--	--	--
Dyna-Gro 5570	28203	18.0	0	209.4	--	--	--	--
Asgrow RX828YG	31720	17.2	0	208.5	--	--	--	--
Triumph 1120BtRR	25821	16.2	0	205.9	--	--	--	--
Willcross 3100	26561	16.5	0	203.0	--	--	--	--
FFR 726	29196	17.1	0	198.4	231.1*	136.0	214.8	188.5
Crows 5060	19796	15.7	0	180.4	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>30222</b>	<b>17.5</b>	<b>0</b>	<b>229.2</b>	<b>217.8</b>	<b>218.1</b>	<b>223.5</b>	<b>221.7</b>
<b>L.S.D. AT .10</b>	<b>3233</b>	<b>0.9</b>	<b>NS</b>	<b>23.6</b>	<b>16.4</b>	<b>23.0</b>		
<b>C.V. %</b>	<b>7.8</b>	<b>3.6</b>		<b>7.3</b>	<b>5.5</b>	<b>6.3</b>		

-- Data not available.

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 21. Performance Summary for Irrigated Corn Hybrids evaluated at Two Southeast Missouri locations (Oran, Charleston) during 2001.

Oran  
Planted: 10 April 2001  
Harvested: 28 August 2001  
Growing Season Rainfall: 17.1 in.  
Irrigation: 5.5 inches

Charleston  
Planted: 6 April 2001  
Harvested: 27 August 2001  
Growing Season Rainfall: 16.1 in.  
Irrigation: 5.2 inches

Brand-Hybrid	Lodging (%)			Yield (Bu/Acre)		
	Oran	Charleston	Mean	Oran	Charleston	Mean
<b>Irrigated Corn</b>						
Pioneer hybrid 31A13	0	0	0	273.2**	244.8*	259.0**
Pioneer hybrid 31G98	0	0	0	271.0*	245.6*	258.3*
Pioneer hybrid 33P67	0	0	0	266.0*	248.6*	257.3*
Garst 8288	0	0	0	260.4*	248.1*	254.2*
Pioneer hybrid 33J56	0	0	0	258.6*	248.9*	253.8*
Garst 8222IT	0	0	0	257.2*	247.1*	252.2*
Pioneer hybrid 33R77	0	0	0	255.9*	247.3*	251.6*
Croplan Genetics 818	0	0	0	249.5	252.2**	250.8*
Vigoro V5520	0	0	0	255.4*	246.0*	250.7*
Golden Harvest/H-9533Bt	0	0	0	262.5*	234.7*	248.6*
Mycogen 2833	0	0	0	266.9*	230.2*	248.5*
Pfister 3977Bt	0	0	0	251.5	245.4*	248.4*
Willcross Ex. ABC	0	1	1	252.8*	242.9*	247.8*
AgriGold A6540	0	0	0	253.0*	241.9*	247.4*
AgriGold A6445	0	0	0	242.1	247.8*	245.0*
FFR 769Bt	0	1	0	252.9*	236.7*	244.8*
Pioneer Hybrid 33G30	0	0	0	249.9	239.3*	244.6*
Golden Harvest H-9403	1	0	1	247.2	241.4*	244.3*
Crows 4908	0	0	0	249.0	236.7*	242.8
Pioneer hybrid 33J57	0	0	0	242.5	243.0*	242.8
AgVenture AV817Bt	0	0	0	254.4*	231.0*	242.7
Mycogen 6920Bt	0	0	0	245.7	239.3*	242.5
FFR 730Bt	1	0	0	250.9	233.4*	242.1
Willcross Ex. GHI	0	0	0	246.3	236.5*	241.4
Mycogen 7821Bt	0	0	0	238.5	242.6*	240.6
Vigoro V55Y21	0	0	0	252.4	228.5	240.4
AgVenture AV782	0	0	0	228.4	251.4*	239.9
AgVenture AV825	1	0	0	248.8	230.7*	239.8
AgVenture AV812Bt	2	0	1	236.7	240.3*	238.5
AgriGold A6590	1	0	1	236.9	239.9*	238.4
Garst 8366 Bt	5	0	3	246.4	230.1*	238.2
NK Brand N63-G7	0	0	0	251.1	224.2	237.6
Pioneer hybrid 34B23	0	0	0	246.2	229.0*	237.6
Pioneer hybrid 33A14	2	0	1	242.2	231.5*	236.8
Gateway 2140	0	0	0	240.9	232.5*	236.7
Crows 5165B	0	0	0	239.9	232.6*	236.2
Golden Harvest H-9471	0	0	0	243.4	228.1	235.8
Lewis 5360Bt	0	0	0	250.4	220.8	235.6
Golden Harvest H-9229	0	0	0	247.3	223.4	235.3
Dekalb DKC66-50	0	0	0	253.6*	216.6	235.1
Croplan Genetics 743	0	0	0	234.2	235.6*	234.9
Zimmerman 1851W	2	0	1	231.9	237.1*	234.5
Croplan Genetics 733Bt	0	0	0	237.0	231.6*	234.3
Pioneer hybrid 34B24	0	0	0	238.6	228.6*	233.6
Stine 9614Bt	0	0	0	238.2	228.3	233.2

TABLE 21. Continued.

Brand-Hybrid	Lodging (%)			Yield (Bu/Acre)		
	Oran	Charleston	Mean	Oran	Charleston	Mean
<b>Irrigated Corn</b>						
Gateway 9411Bt	0	0	0	236.2	230.0*	233.1
Croplan Genetics 678	1	0	1	241.0	224.6	232.8
NK Brand N72-V7	0	0	0	236.8	228.4	232.6
AgriGold XA4902Bt	0	0	0	237.5	227.2	232.3
Dekalb DKC63-03	0	0	0	235.6	229.0*	232.3
Dekalb DKC68-70	0	1	0	238.0	226.5	232.2
AgVenture AV817	0	0	0	239.1	222.8	231.0
Triumph 1514ABt	0	0	0	238.3	223.3	230.8
Dekalb DKC69-70	0	0	0	230.2	231.3*	230.8
Garst 8301	0	0	0	228.0	232.9*	230.4
FFR 748	0	0	0	234.4	225.9	230.1
Willcross 3179	0	0	0	236.1	223.2	229.6
NK Brand N67-T4	0	0	0	235.9	222.8	229.3
Dekalb DK697	0	0	0	239.4	219.1	229.2
Dyna-Gro 5515	0	0	0	233.5	224.4	228.9
Pioneer hybrid 31B13	0	0	0	234.0	223.9	228.9
FFR 736Bt	0	0	0	226.6	230.6*	228.6
AgVenture AV824Bt	0	0	0	236.8	220.4	228.6
Willcross Ex. HIJ	0	0	0	222.3	232.7*	227.5
Dyna-Gro X15556Bt	0	0	0	232.9	219.9	226.4
AgriGold A6729Bt	3	1	2	226.7	225.6	226.2
Gateway 4151	0	0	0	234.6	217.6	226.1
Pfister 3350	0	0	0	241.4	210.1	225.8
AgriGold A6620	0	0	0	227.1	223.1	225.1
Dyna-Gro 5570	0	0	0	238.5	209.4	223.9
NK Brand N83-Z8	0	0	0	221.7	225.0	223.3
FFR 726	0	0	0	246.2	198.4	222.3
Golden Harvest H-9012	0	0	0	218.1	225.6	221.8
Asgrow RX828YG	0	0	0	231.1	208.5	219.8
Stine 9615Bt	1	0	1	224.5	214.8	219.6
Triumph 1866Bt	0	0	0	226.5	212.2	219.3
Dyna-Gro 5518	0	0	0	217.4	219.3	218.3
Triumph 1120BtRR	0	0	0	230.4	205.9	218.1
Willcross 3100	0	0	0	232.5	203.0	217.8
Vigoro V5720	0	0	0	211.0	218.6	214.8
Pfister 3801	0	0	0	215.8	209.5	212.6
Crows 5060	0	0	0	224.9	180.4	202.6
<b>TRIAL AVERAGE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>241.0</b>	<b>229.2</b>	<b>235.1</b>
<b>L.S.D. AT .10</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>20.6</b>	<b>23.6</b>	<b>15.5</b>
<b>C.V. %</b>				<b>6.2</b>	<b>7.3</b>	<b>6.8</b>

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

TABLE 22. Performance of Non-irrigated White Corn Hybrids evaluated near Corning (Atchison/ Holt Counties) on the Graves Experiment Center during 1999-2001.

Planted: 27 April 2001  
 Harvested: 4 October 2001  
 Seeding Rate: 30,700  
 Row Spacing: 30 inches  
 Soil Type: Haynie Silt Loam  
 Soil Test: pH=6.0, OM=4.3, P=88, K=886

Fertilizer: N=200, P2O5=50, K2O=0  
 Herbicide: Pre: Touchdown, Bicep II Magnum  
 Post: Accent, Northstar  
 Insecticide: Lorsban  
 Tillage: None  
 Previous Crop: Soybean

European Corn Borer Rating: Damage Plants=N/A, Tunnel Length/Plant=N/A in.

Growing Season Rainfall: Apr.=1.9, May=1.9, June=6.3, July=4.4, Aug.=1.0 TOTAL=15.5 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield			Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)			2 Yr.	3 Yr.
	2001			2001	2000	1999		
<b>White Corn</b>								
Pioneer hybrid 33T17	26484	14.4	19	182.2**	132.2	--	157.2	--
Willcross Ex. BCD	27646	14.9	5	173.9	--	--	--	--
Willcross Ex. ABC	26949	15.6	26	164.3	--	--	--	--
Willcross 3149	27878	14.2	9	164.2	124.5	--	144.4	--
Willcross Ex. CDE	25556	16.6	6	163.1	--	--	--	--
Pioneer hybrid 32Y52	26252	17.0	17	159.7	123.4	139.5	141.6	140.9
Willcross 3141	25091	14.7	12	157.8	--	--	--	--
Asgrow RX792W	26949	16.0	5	156.1	130.8	--	143.5	--
Pioneer hybrid 32K72	26020	16.0	17	153.4	145.4*	153.6	149.4	150.8
Garst 8277W	26252	20.1	11	148.6	103.5	--	126.1	--
Asgrow RX776W	26485	15.5	6	143.8	127.4	131.3	135.6	134.2
Willcross 3100	25091	15.4	13	129.2	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>26388</b>	<b>15.9</b>	<b>12</b>	<b>158.0</b>	<b>127.4</b>	<b>140.8</b>	<b>142.7</b>	<b>142.1</b>
<b>L.S.D. AT .10</b>	<b>1537</b>	<b>0.9</b>	<b>11</b>	<b>NS</b>	<b>13.6</b>	<b>NS</b>		
<b>C.V. %</b>	<b>4.2</b>	<b>3.6</b>		<b>9.0</b>	<b>7.7</b>	<b>16.0</b>		

- Data not available.
- \*\* Highest yielding hybrid in the test.
- \* Yield not significantly less than the highest yielding hybrid in the test.
- NS Not Significant.

TABLE 23. Performance of Roundup Ready, Non-irrigated Corn Hybrids evaluated near Novelty (Knox County) on the Greenley Memorial Center during 2001.

Planted: 1 May 2001  
 Harvested: 27 September 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Putman Silt Loam  
 Soil Test: pH=5.8, OM=2.6, P=43, K=296

Fertilizer: N=160; P2O5=50; K2O=100  
 Herbicide: Pre: Bicep II Magnum, Princep  
 Post: Liberty(Directed)  
 Insecticide: Force 3G  
 Tillage: Conventional  
 Previous Crop: Soybean

European Corn Borer Rating: Damaged Plants=92%, Tunnel Length/Plant=9.70 in

Growing Season Rainfall: Apr.=2.8, May=8.2, June=4.6, July=2.7, Aug.=2.6 in TOTAL=20.9 in

Brand-Hybrid	Plants (#/Acre)	Moisture (%)	Lodging (%)	Yield (Bu / Acre)		Means		
	2001		2001			2 Yr.	3 Yr.	
<b>Roundup Ready Corn</b>								
Willcross Ex. BCD RR	25431	16.8	15	153.6**	--	--	--	--
Willcross YT 3149 RR	25454	16.6	18	140.2	--	--	--	--
Lewis 4830RR	26066	15.9	16	138.5	--	--	--	--
Middlekoop 1214	27585	15.8	19	138.0	--	--	--	--
Dekalb DKC64-10RR	26081	15.7	18	136.4	--	--	--	--
Willcross 3131 RR	25532	15.2	12	136.1	--	--	--	--
Triumph 1120 Bt	25990	15.7	28	136.0	--	--	--	--
Willcross Ex. EFG RR	24251	16.6	16	135.5	--	--	--	--
Triumph 1120BtRR	25898	15.5	27	133.2	--	--	--	--
Willcross 3149RR	25258	16.1	7	131.4	--	--	--	--
Lewis 4830	25040	15.8	11	130.7	--	--	--	--
Burrus 441RR	25950	15.0	7	129.1	--	--	--	--
AgVenture AV811RR	26264	16.4	9	128.3	--	--	--	--
Pioneer hybrid 33P67	24616	16.8	27	128.0	--	--	--	--
Willcross 3149	24068	16.0	12	126.4	--	--	--	--
Willcross Ex. LMN RR	26722	14.6	9	126.1	--	--	--	--
Willcross Ex. MNO RR	25715	14.4	8	124.9	--	--	--	--
Burrus 569	25898	15.5	12	123.6	--	--	--	--
Willcross 3191 RR	26513	16.4	30	122.0	--	--	--	--
Croplan Genetics 641RR/Bt	24068	16.7	28	115.4	--	--	--	--
US Seeds US C1119RR/Bt	25806	16.8	22	111.9	--	--	--	--
<b>TRIAL AVERAGE</b>	<b>25629</b>	<b>15.9</b>	<b>17</b>	<b>130.7</b>	--	--	--	--
<b>L.S.D. AT .10</b>	<b>1568</b>	<b>N S</b>	<b>15</b>	<b>N S</b>				
<b>C.V. %</b>	<b>5.2</b>	<b>9.0</b>		<b>15.1</b>				

-- Data not available.

\*\* Highest yielding hybrid in the test.

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 24. Performance of Roundup Ready, Non-irrigated Corn Hybrids evaluated near Columbia (Boone County) on the Agronomy Research Center during 2001.

Planted: 3 May 2001  
 Harvested: 21 September 2001  
 Seeding Rate: 28,600  
 Row Spacing: 30 inches  
 Soil Type: Mexico Silt Loam  
 Soil Test: pH=5.9, OM=1.4, P=63, K=188

Fertilizer: N=160; P2O5=69; K2O=93  
 Herbicide: Pre: Harness Xtra, Aatrex, Princep  
 Post: Permit  
 Insecticide: Force 3G  
 Tillage: Conventional  
 Previous Crop: Sunflower

European Corn Borer Rating: Damaged Plants=100%, Tunnel Length/Plant=19.70 in.

Growing Season Rainfall: Apr.=3.6, May=6.8, June=6.6, July=5.1, Aug.=3.6 TOTAL=25.7 in.

Brand-Hybrid	Plants	Moisture	Lodging	Yield		Means	
	(#/Acre)	(%)	(%)	(Bu / Acre)		2 Yr.	3 Yr.
	2001		2001				
<b>Roundup Ready Corn</b>							
Lewis 4830	23160	14.5	25	143.9**	--	--	--
Burrus 569	22604	15.6	9	140.6	--	--	--
Willcross Ex. BCD RR	21140	17.5	11	139.9	--	--	--
Willcross YT 3149 RR	23545	16.2	33	139.7	--	--	--
Willcross 3149	22512	16.0	6	138.8	--	--	--
Willcross 3149RR	21880	15.8	12	137.4	--	--	--
Willcross 3191 RR	23336	17.2	19	136.1	--	--	--
Middlekoop 1214	23976	15.3	22	135.9	--	--	--
Triumph 1120 Bt	22604	15.2	25	133.5	--	--	--
Willcross Ex. LMN RR	24159	16.7	28	133.4	--	--	--
Burrus 441RR	24434	13.8	12	133.3	--	--	--
US Seeds US C1119RR/Bt	21999	16.3	12	132.7	--	--	--
Dekalb DKC64-10RR	23610	16.2	24	132.3	--	--	--
Triumph 1120BtRR	23702	15.0	21	128.0	--	--	--
Lewis 4830RR	21963	13.9	10	125.6	--	--	--
Croplan Genetics 641RR/Bt	20798	17.3	13	124.0	--	--	--
Willcross 3131 RR	22695	14.0	16	123.1	--	--	--
Willcross Ex. EFG RR	21780	15.6	9	122.7	--	--	--
Pioneer hybrid 33P67	21872	17.8	42	120.4	--	--	--
AgVenture AV811RR	23061	16.5	16	118.8	--	--	--
Willcross Ex. MNO RR	22424	17.8	29	117.5	--	--	--
<b>TRIAL AVERAGE</b>	<b>22726</b>	<b>15.9</b>	<b>19</b>	<b>131.3</b>	--	--	--
<b>L.S.D. AT .10</b>	<b>NS</b>	<b>1.0</b>	<b>15</b>	<b>NS</b>			
<b>C.V. %</b>	<b>8.8</b>	<b>5.3</b>		<b>14.8</b>			

-- Data not available.

\*\* Highest yielding hybrid in the test.

NS Not Significant.

Note: Seeding rate may be higher than expected due to seed size variation and mechanical problems.

TABLE 25. Performance Summary for Roundup Ready, Non-irrigated Corn Hybrids evaluated at Two Missouri locations (Novelty, Columbia) during 2001.

Novelty  
 Planted: 1 May 2001  
 Harvested: 27 September 2001  
 Growing Season Rainfall: 20.9 in

Columbia  
 Planted: 3 May 2001  
 Harvested: 21 September 2001  
 Growing Season Rainfall: 25.7 in.

Brand-Hybrid	Lodging (%)			Yield (Bu/Acre)		
	Novelty	Columbia	Mean	Novelty	Columbia	Mean
<b>Roundup Ready Corn</b>						
Willcross Ex. BCD RR	15	11	13	153.6**	139.9	146.8**
Willcross YT 3149 RR	18	33	25	140.2	139.7	139.9*
Lewis 4830	11	25	18	130.7	143.9**	137.3*
Middlekoop 1214	19	22	20	138.0	135.9	136.9*
Triumph 1120 Bt	28	25	26	136.0	133.5	134.8*
Willcross 3149RR	7	12	10	131.4	137.4	134.4*
Dekalb DKC64-10RR	18	24	21	136.4	132.3	134.3*
Willcross 3149	12	6	9	126.4	138.8	132.6*
Burrus 569	12	9	10	123.6	140.6	132.1*
Lewis 4830RR	16	10	13	138.5	125.6	132.0*
Burrus 441RR	7	12	10	129.1	133.3	131.2*
Triumph 1120BtRR	27	21	24	133.2	128.0	130.6*
Willcross Ex. LMN RR	9	28	18	126.1	133.4	129.7*
Willcross 3131 RR	12	16	14	136.1	123.1	129.6*
Willcross Ex. EFG RR	16	9	12	135.5	122.7	129.1*
Willcross 3191 RR	30	19	25	122.0	136.1	129.0*
Pioneer hybrid 33P67	27	42	35	128.0	120.4	124.2
AgVenture AV811RR	9	16	12	128.3	118.8	123.6
US Seeds US C1119RR/Bt	22	12	17	111.9	132.7	122.3
Willcross Ex. MNO RR	8	29	18	124.9	117.5	121.2
Croplan Genetics 641RR/Bt	28	13	21	115.4	124.0	119.7
<b>TRIAL AVERAGE</b>	<b>17</b>	<b>19</b>	<b>18</b>	<b>130.7</b>	<b>131.3</b>	<b>131.0</b>
<b>L.S.D. AT .10</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>NS</b>	<b>NS</b>	<b>18.7</b>
<b>C.V. %</b>				<b>15.1</b>	<b>14.8</b>	<b>15.0</b>

\*\* Highest yielding hybrid in the test.

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

NS Not Significant.

# Characteristics of Corn Hybrids

Brand-Hybrid	Maturity Days	Seed Color	Stalk Rating	Root Rating	Herbicide Resistance	Insect Resistance	Disease Resistance
AgriGold A6445	109	Y	8	6	-	-	-
AgriGold A6540	113	Y	8	6	-	-	-
AgriGold A6545	113	Y	8	6	-	-	-
AgriGold A6590	113	Y	9	7	-	-	-
AgriGold A6620	115	Y	9	7	-	-	-
AgriGold A6675	115	Y	9	6	-	-	-
AgriGold A6729Bt	118	Y	7	6	-	Bt/yg	-
AgriGold XA4902Bt	114	Y	8	7	-	Bt/yg	-
AgVenture AV782	110	Y	8	7	-	-	-
AgVenture AV811RR	112	Y	8	7	RR	-	GS,SB
AgVenture AV812Bt	112	Y	9	6	-	Bt/yg	-
AgVenture AV817	112	Y	8	7	-	-	-
AgVenture AV817Bt	112	Y	8	7	-	Bt/yg	-
AgVenture AV824Bt	112	Y	8	8	-	Bt/yg	SB
AgVenture AV825	112	Y	8	8	-	-	NB,SB
Asgrow RX730YG	111	Y	-	-	-	Bt/yg	-
Asgrow RX740	112	Y	3	7	-	-	-
Asgrow RX776W	115	W	2	3	-	-	-
Asgrow RX792W	115	W	3	5	-	-	-
Asgrow RX828YG	116	Y	-	-	-	Bt/yg	-
Burrus 440	108	Y	8	8	-	-	SB,NB,CR,SW
Burrus 441RR	108	Y	8	8	RR	-	SB,NB,CR,SW
Burrus 515	110	Y	9	8	-	-	GS,SB,NB,CR,SW
Burrus 569	111	Y	8	7	-	-	SB,NB,CR,SW
Burrus 582	111	Y	9	7	-	-	NB,GS,SB,CR,SW
Burrus 599CL	111	Y	9	7	IM	-	GS,SB,NB,CR,SW
Burrus 663	113	Y	8	8	-	-	SB,NB,CR,SW
Burrus 664Bt	113	Y	8	8	-	Bt/yg	SB,NB,CR,SW
Burrus 855	117	Y	8	8	-	-	GS,SB,NB,CR,SW
Croplan Genetics 641RR/Bt	-	-	-	-	-	-	-
Croplan Genetics 678	111	Y	-	-	-	-	NB,SB,GS
Croplan Genetics 733Bt	111	Y	-	-	-	Bt/	NB,SB
Croplan Genetics 743	112	Y	8	9	-	-	NB,SB
Croplan Genetics 818	115	Y	8	9	-	-	NB,SB
Crows 4908	110	Y	6	5	-	-	-
Crows 5060	113	Y	8	7	-	-	-
Crows 5165B	113	Y	8	7	-	Bt/yg	-
Crows 6121	115	Y	7	5	-	-	-
Dekalb DK697	119	Y	2	2	-	-	-
Dekalb DKC60-15	110	Y	-	-	-	-	-
Dekalb DKC63-03	113	Y	-	-	-	-	-
Dekalb DKC63-22	113	Y	3	3	-	BT/yg	-
Dekalb DKC64-10RR	114	Y	-	-	RR	-	-
Dekalb DKC65-26	115	Y	-	-	-	Bt/yg	-
Dekalb DKC66-50	116	Y	-	-	-	-	-
Dekalb DKC68-70	118	Y	-	-	-	Bt/yg	-
Dekalb DKC69-70	119	Y	-	-	-	Bt/yg	-
Dyna-Gro 5515	117	Y	7	7	-	-	-
Dyna-Gro 5518	118	Y	8	6	-	-	GS,SW,SB,NB
Dyna-Gro 5570	116	Y	8	7	-	-	-
Dyna-Gro X15556Bt	115	Y	7	8	-	Bt/yg	GS,SB,NB
FFR 726	113	Y	6	6	-	-	-
FFR 730Bt	114	Y	7	6	-	Bt/yg	-
FFR 736Bt	113	Y	7	6	-	Bt/yg	-
FFR 748	115	Y	7	8	-	-	-
FFR 769Bt	116	Y	7	8	-	Bt/yg	-
Fontanelle 5281	112	Y	7	7	-	-	-
Fontanelle 5591	115	Y	8	8	-	-	-

Brand-Hybrid	Maturity Days	Seed Color	Stalk Rating	Root Rating	Herbicide Resistance	Insect Resistance	Disease Resistance
Fontanelle 5721	117	Y	8	8	-	-	GS
Fontanelle 5800	117	Y	8	8	-	-	GS,SW
Fontanelle HC-7747Bt	112	Y	7	7	-	Bt/yg	-
Freedom 5555	-	Y	-	-	-	-	-
Freedom Ex. 645	-	Y	-	-	-	-	-
Garst 8222IT	119	Y	7	6	IM	-	-
Garst 8277W	118	W	8	7	-	-	-
Garst 8288	118	Y	8	7	-	-	-
Garst 8301	115	Y	7	7	-	-	-
Garst 8327IT	113	Y	7	6	IM	-	-
Garst 8366 Bt	113	Y	7	5	-	Bt/yg	-
Garst 8484Bt	111	Y	8	5	-	Bt/yg	-
Gateway 2140	114	Y	8	8	-	-	GS
Gateway 4151	115	Y	8	8	-	-	GS
Gateway 9411Bt	111	Y	8	8	-	Bt/yg	GS
Golden Harvest H-8906	111	Y	7	7	-	-	-
Golden Harvest H-9012	111	Y	8	7	-	-	-
Golden Harvest H-9229	112	Y	8	5	-	-	-
Golden Harvest H-9403	115	Y	7	5	-	-	-
Golden Harvest H-9471	115	Y	7	7	-	-	-
Golden Harvest/H-9095Bt	-	Y	6	6	-	Bt/	-
Golden Harvest/H-9164Bt	-	Y	6	7	-	Bt/	-
Golden Harvest/H-9216	-	Y	7	6	-	-	-
Golden Harvest/H-9533Bt	115	Y	7	5	-	Bt/yg	GS
Hawkeye Hybrids SX51	-	Y	6	5	-	-	-
Hawkeye Hybrids SX76	112	Y	7	8	-	-	-
Kruger Ex.214-1	111	Y	-	-	-	-	-
Kruger Ex.215-1	112	Y	-	-	-	-	-
Kruger Ex.9212Bt	111	Y	-	-	-	Bt/	-
Kruger K-9013+Bt	110	Y	-	-	-	Bt/	-
Kruger K-9014+Bt	111	Y	-	-	-	Bt/	-
Kruger K-9114	111	Y	-	-	-	-	-
Kruger K-9114Bt	111	Y	-	-	-	Bt/	-
Kruger K-9117	114	Y	-	-	-	-	-
Kruger K-9217	114	Y	-	-	-	-	-
Kruger K-9217Bt	115	Y	-	-	-	-	-
Kruger K-9912CL	111	Y	-	-	-	Bt/	-
Lewis 4740	108	Y	7	8	-	-	-
Lewis 4830	108	Y	7	6	-	-	-
Lewis 4830RR	108	Y	7	6	RR	-	-
Lewis 5112Bt	111	Y	7	6	-	Bt/yg	-
Lewis 5360Bt	111	Y	7	7	-	Bt/yg	-
Lewis 5450	111	Y	7	6	-	-	-
Lewis 7192	117	Y	8	8	-	-	-
LG Seeds LG2585	111	Y	8	6	-	-	-
LG Seeds LG2587	112	Y	8	6	-	-	-
LG Seeds LG2595	-	Y	-	-	-	-	-
LG Seeds LG2601	-	Y	-	-	-	-	-
LG Seeds LG2606	113	Y	7	7	-	-	-
LG Seeds LG2670	115	Y	8	8	-	-	-
Merschman M-00111	111	Y	7	4	-	-	GS
Merschman M-00112	112	Y	7	7	-	Bt/	-
Merschman M-00113	113	Y	6	5	-	-	-
Merschman M-00114	114	Y	7	7	-	-	-
Merschman M-9114	114	Y	7	7	-	Bt/	-
Middlekoop 1014	-	Y	-	-	-	-	-
Middlekoop 1213	-	Y	-	-	-	-	-
Middlekoop 1214	-	Y	-	-	-	-	-

Brand-Hybrid	Maturity Days	Seed Color	Stalk Rating	Root Rating	Herbicide Resistance	Insect Resistance	Disease Resistance
Middlekoop 1216	-	Y	-	-	-	-	-
Middlekoop 3314Bt	-	Y	-	-	-	Bt/	-
Middlekoop 912	-	Y	-	-	-	-	-
Midland 798	115	Y	6	6	-	-	GS
Midland 7A14	112	Y	-	-	-	-	-
Midland 7A15	112	Y	7	7	-	-	-
Midland 7A25Bt	114	Y	-	-	-	Bt/yg	-
Mycogen 2833	115	Y	8	8	-	Bt/ng	SB,NB
Mycogen 6920Bt	112	Y	6	7	-	Bt/yg	SB,NB
Mycogen 7821Bt	114	Y	6	7	-	Bt/yg	SB,NB
Mycogen 7870	115	Y	7	8	-	-	SB,NB
Mycogen 8070	116	Y	7	7	-	-	GS,SB,NB
NC+ 5018	112	Y	7	7	-	-	-
NC+ 5051	112	Y	8	8	-	-	-
NC+ 5169	112	Y	7	7	-	-	-
NC+ 6359	117	Y	8	8	-	-	-
NC+ 6871B	118	Y	7	7	-	Bt/yg	-
NK Brand N63-G7	110	Y	5	9	-	-	NB
NK Brand N65-Y3	111	Y	8	8	LL	Bt/yg	-
NK Brand N67-T4	111	Y	5	9	LL	Bt/yg	NB,SW
Nk Brand N7070Bt	113	Y	7	8	LL	Bt/yg	-
Nk Brand N72-J5	114	Y	6	5	-	-	-
NK Brand N72-V7	113	Y	9	9	-	-	GS,SB,NB
NK Brand N79-L3	115	Y	9	8	LL	Bt/yg	-
NK Brand N83-Z8	118	Y	5	9	LL	Bt/yg	NB,SW
Pfister 3350	113	Y	9	9	-	-	GS, SB, SW
Pfister 3801	114	Y	9	9	-	-	GS, SB, SW
Pfister 3977Bt	115	Y	8	8	-	Bt/yg	SB, SW
Pioneer hybrid 31A13	118	Y	5	3	-	Bt/yg	-
Pioneer hybrid 31B13	119	Y	5	6	-	Bt/yg	NB,SW
Pioneer hybrid 31G98	117	Y	6	5	-	-	GS,SB,NB,SW
Pioneer hybrid 32K72	-	W	4	5	-	-	-
Pioneer hybrid 32Y52	-	W	5	4	-	-	-
Pioneer hybrid 33A14	113	Y	4	7	-	Bt/yg	NB,SB,CR
Pioneer Hybrid 33G30	112	Y	7	5	-	Bt/yg	-
Pioneer hybrid 33J56	113	Y	5	5	-	-	GS,NB,SB,SW,CR
Pioneer hybrid 33J57	114	Y	5	5	-	Bt/yg	-
Pioneer hybrid 33P67	114	Y	5	5	-	Bt/yg	-
Pioneer hybrid 33R77	114	Y	5	4	-	-	-
Pioneer hybrid 33T17	-	W	5	3	-	-	-
Pioneer hybrid 34B23	108	Y	5	5	-	-	GS,SB,SW
Pioneer hybrid 34B24	110	Y	5	5	-	Bt/yg	-
Pioneer hybrid 34M95	-	Y	6	5	-	Bt/yg	-
Rainbow Seeds 3167	115	Y	-	-	-	-	-
Rainbow Seeds 3175YG	117	Y	-	-	-	Bt/yg	-
Rainbow Seeds 3200	120	Y	-	-	-	-	-
Renze 6462	114	Y	7	7	-	-	-
Stine 9614Bt	111	Y	8	8	-	Bt/yg	-
Stine 9615Bt	109	Y	8	9	-	Bt/ng	-
Stine 9803	112	Y	8	7	-	-	-
Stone SX-E3K	112	Y	8	5	-	-	-
Stone SX-M7	114	Y	7	8	-	-	-
Stone SX-M8	114	Y	8	8	-	-	-
Triumph 1120 Bt	-	-	-	-	-	-	-
Triumph 1120BtRR	110	Y	8	8	RR	Bt/yg	-
Triumph 1514ABt	114	Y	8	7	-	Bt/yg	-
Triumph 1866Bt	116	Y	8	8	-	Bt/yg	-

Brand-Hybrid	Maturity Days	Seed Color	Stalk Rating	Root Rating	Herbicide Resistance	Insect Resistance	Disease Resistance
US Seeds US C1119RR/Bt	-	-	-	-	RR	Bt/	-
US Seeds US C1141	114	Y	6	7	-	-	GS
US Seeds US C1161	116	Y	6	6	-	-	GS,SB
US Seeds US E1122Bt	112	Y	8	8	-	Bt/	-
Vigoro V5400	114	Y	7	5	-	-	GS,SB
Vigoro V5520	115	Y	5	4	-	-	-
Vigoro V55Y21	115	Y	6	6	-	Bt/yg	-
Vigoro V5720	117	Y	7	8	-	-	GS
Willcross 3100	105	Y	8	7	-	-	-
Willcross 3131 RR	-	-	-	-	-	-	-
Willcross 3141	113	Y	5	5	-	-	-
Willcross 3149	114	Y	8	7	-	-	GS
Willcross 3149RR	112	Y	8	7	RR	-	GS
Willcross 3179	118	Y	8	7	-	-	-
Willcross 3191 RR	-	-	-	-	-	-	-
Willcross Ex. ABC	117	Y	8	7	-	-	-
Willcross Ex. BCD	117	Y	8	7	-	-	-
Willcross Ex. BCD RR	-	-	-	-	-	-	-
Willcross Ex. CDE	115	Y	8	7	-	-	-
Willcross Ex. DEF	112	Y	5	5	-	-	-
Willcross Ex. EFG	109	Y	5	5	-	-	-
Willcross Ex. EFG RR	-	-	-	-	-	-	-
Willcross Ex. FGH	111	Y	8	7	-	-	-
Willcross Ex. GHI	116	Y	5	5	-	-	-
Willcross Ex. HIJ	116	Y	8	7	-	-	-
Willcross Ex. LMN RR	-	-	-	-	-	-	-
Willcross Ex. MNO RR	-	-	-	-	-	-	-
Willcross YT 3149 RR	-	-	-	-	-	-	-
Wilson 1788	114	Y	8	8	-	-	GS
Zimmerman 1851W	118	W	8	5	-	-	GS

\* Descriptions for Commercial Hybrids were provided by the companies submitting them for evaluation.  
- Data not provided by the companies.

Color Codes

Y - Yellow  
W - White

Ratings

9 - Excellent  
5 - Average  
1 - Poorest

Herbicide Resistance Code

IM - Imidazolinone Herbicide Tolerant  
LL - Liberty Link  
RR - Roundup Ready

Disease Resistance Code

GS - Gray Leaf Spot  
NB - Northern Leaf Blight  
SB - Southern Leaf Blight  
SW - Stewarts Wilt

Seed Endosperm

W - Waxy  
HO - High Oil  
LP - Low Phytate  
HL - High Lysine

Insect Resistance Code

Bt - Bacillus thuringiensis  
trademarked as:  
yg = Yield Guard  
ng = Nature Guard

## Source of Commercial Seed Corn Entered in the 2001 Missouri Yield Trials

BRAND	FIRM and ADDRESS	PHONE NO.
AgriGold AgVenture AgVenture Asgrow	AgriGold Hybrids, RR 1 Box 203, St. Francisville, IL 62460 AgVenture of North Central Missouri, PO Box 991, Chillicothe, MO 64601 AgVenture Mid-South, 6947 County Rd. 751, Essex, MO 63846 Monsanto, 3100 Sycamore Rd., Dekalb, IL 60115	618-943-5776 660-646-6724 573-283-5311 815-758-9323
Burrus	Burrus Power Hybrids, 826 Arenzville Rd, Arenzville, IL 62611	217-997-5511
Croplan Genetics Croplan Genetics Crows	Land O' Lakes/Croplan Genetics, 1275 Red Fox Rd., Arden Hills, MN 55112 Land O'Lakes/Croplan Genetics, PO Box 146, Blytheville, AR 72315 Crows Hybrid Corn Co., Box 157, Kentland, IN 47951	651-634-8100 870-762-1557 800-331-7201
Dekalb Dyna-Gro	Monsanto, 3100 Sycamore Rd., Dekalb, IL 60115 UAP Mid-South, 57 Germantown Court, Suite 200, Cordova, TN 38018	815-758-9323 901-755-7566
FFR Fontanelle Freedom	FFR Seed, 969 Cloverleaf Dr., Southaven, MS 38671 Fontanelle Hybrids, 10981 8th St., Fontanelle, NE 68044 Freedom Seed Co., #1 Seed Corn Rd., Astoria, IL 61501	800-366-2667 402-721-1410 309-759-4480
Garst Gateway Golden Harvest Golden Harvest	Garst/AgriPro Seed Co., 2369 330th St., Box 500, Slater, IA 50244 Gateway Seed Co. Inc., 5517 Van Buren Rd., Nashville, IL 62263 Golden Harvest Seeds/ J.C. Robinson Seed Co., PO Box A, Waterloo, NE 68069 Golden Harvest Seeds/ Sommer Brothers Seed Co., Box 248, Pekin, IL 61555	800-831-6630 618-327-8000 402-289-0265 309-346-2127
Hawkeye	Hawkeye Hybrids, 2165 Idaho Dr., Pella, IA 50219	641-622-3827
Kruger	Kruger Seed Co., Highway 20 East, Box A, Dike, IA 50624	800-772-2721
Lewis LG Seeds	Lewis Hybrids, W. Maple St., Box 38, Ursa, IL 62376 LG Seeds, 22827 Shissler Rd., Elmwood, IL 61529	217-964-2131 309-742-2211
Merschman Middlekoop Midland Mycogen	Merschman Seeds, Inc., 103 Ave. D, West Point, IA 52656 Middlekoop Seed Corn Inc., 1637-155th St, Packwood, IA 52580 Midland Genetics Group, 1906 Kingman Rd., Ottawa, KS 66067 Mycogen Seeds, 9330 Zionsville Rd., Indianapolis, IN 46268	319-837-6111 319-695-3266 785-242-3598 800-380-7282
NC+	NC+ Hybrids, Box 4408 3820 N. 56th St., Lincoln, NE 68504	402-467-2517
Pfister Pioneer hybrid Pioneer hybrid	Pfister Hybrid Corn Co., 187 N.Fayette St., El Paso, IL 61738 Pioneer Hi-Bred Int. Inc., 4525 N. Racoon Ridge, Columbia, MO 65201 Pioneer Hi-Bred Int. Inc., 6767 Old Madison Pike, Suite 110, Huntsville, AL 35806	309-527-6000 573-433-1175 256-971-0760
Rainbow Renze	Rainbow Seeds, 1816 Highway 163, Oskaloosa, IA 52577 Renze Hybrids, Inc., 27410 Kittyhawk Ave., Carroll, IA 51401	800-373-9401 712-669-3301
Stine Stone Syngenta Syngenta	Stine Seed Co., 2225 Laredo Trail, Adel, Ia 50003 Stone Seed Farm Inc., 5965 W.Stale Rt. 97, Pleasant Plains, IL 62677 Syngenta Seeds, 535 Pennyryle Dr., Madisonville, KY 42431 Syngenta Seeds, 603 Dogwood, Macon, MO 63552	800-362-2510 217-546-8006 270-821-1485 660-385-5831
Triumph	Triumph Seed Co. Inc., PO Box 1050 (Hwy 62 By Pass), Ralls, TX 79357	800-530-4789
US Seeds	United Suppliers, Inc., PO Box 538, Eldora, IA 50627	641-858-2341
Vigoro	Royster-Clark, Inc., 70 N. Market St., Mt. Sterling, OH 43143	740-869-2181
Willcross Wilson	W.S.D.A., PO Box 560, 28700 S.State Rt. T, Garden City, MO 64747 Wilson Genetics, L.L.C., PO Box 391, Harlan, IA 51537	816-862-6326 712-755-3841
Zimmerman	Wilson Genetics, L.L.C., PO Box 391, Harlan, IA 51537	712-755-3841





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