

Corn

1986 Missouri Crop Performance

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1986

CORN

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The University of Missouri's hybrid performance testing program was began in the mid-1930s, with the first publication of results in 1937. The number of commercial entries in the program has grown from fewer than 50 in the early years to more than 200 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 as uniform conditions as 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. Uncontrollable variability is involved in the determination of each yield average. This variability sometimes occurs because the soil isn't uniform, but many other conditions may contribute to it. Because variability exists in all field experimentation, statistics are used as a tool to assist in making decisions. The statistical tool used for these trials is the test of least significant difference (L.S.D). The L.S.D. is quite simple to apply. When two entries are compared and the difference between them is greater than the L.S.D., the entries are judged to be significantly different. Differences smaller than the L.S.D. may have occurred by chance and are judged to be nonsignificant.

Hybrid performance may seem inconsistent from location to location and from year to year because of differences in rainfall, temperature, 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, the highest yielding hybrids in a trial can be readily identified. By going across, the relative performance of a hybrid during several years or at several locations can be evaluated. From the standpoint of yield, the most desirable hybrids will be those that are among the "top yielding" hybrids (that is, have an asterisk) the greatest number of times.

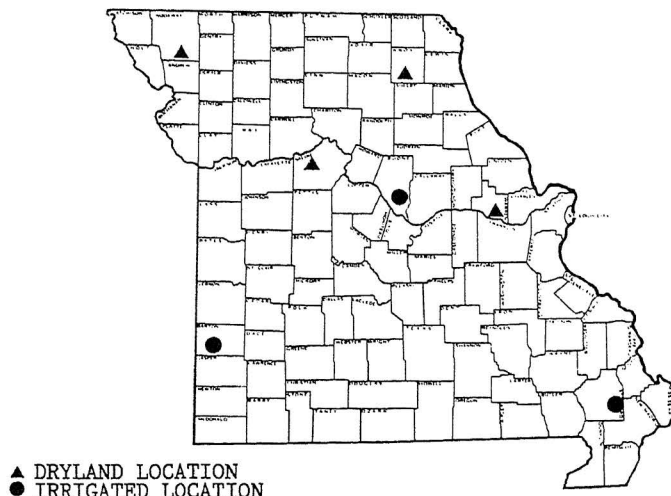
Although yield usually receives first consideration, other agronomic characteristics may be equally important when selecting a corn hybrid. Stalk strength, maturity and resistance to insects and diseases are among the hybrid characteristics that deserve careful consideration. Later maturing hybrids may 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 an abnormally high or low moisture content relative to other hybrids within the same maturity group may be misclassified as to maturity. Poor stalk strength and or susceptibility to pests may decrease harvestable yield because of lodging or stand loss. Therefore, producers should also consider the data presented on final stand and lodging when selecting a hybrid.

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

EXPERIMENTAL PROCEDURES

On the basis of geographical characteristics, the state is divided into sections. Corn hybrid evaluation trials are located in the northern, central, southwestern and southeastern sections of the state. These trial locations are shown in Figure 1, page 4.

FIGURE 1. TEST SITE LOCATIONS



Entries. All producers of hybrid seed were eligible to enter the 1986 corn evaluation trials. Participation was voluntary and the test sponsors exercised no control over which hybrids were entered or how many hybrids were entered. However, to help finance the evaluation program, the sponsors charged \$90 per location for each hybrid entered. Identification of widely-grown hybrids was made through a telephone survey of hybrids marketed by seed producers in Missouri. A total of 204 corn hybrids were tested in 1986.

Field Plot Design. All tests were arranged in lattice field plot designs with three replications. Plots were four rows wide with a between-row spacing of 30 inches at all locations. Only the center two rows were harvested to determine yield.

Plot Management. The tests were planted and harvested with commercial equipment modified for small plot work. Fertilizer applied at each site was equal to, or above, that recommended by the University of Missouri's Soil Testing Laboratory. Herbicides were used for weed control and additional hand weeding was done as required. Management details varied from location to location and are specified in Table 1 below.

TABLE 1. MANAGEMENT AND CULTURAL PRACTICES OF THE 1986 HYBRID CORN EVALUATION PROGRAM.

LOCATION (COUNTY)	N-P205-K20	HERBICIDE PRE-EMERGENCE	INSECT- ICIDE	ROW SPACING (IN)	DATE OF PLANTING	DATE OF HARVEST
BARNARD (NODAWAY)	185- 40-120	DUAL + BLADEX + ATRAZINE	LORSBAN	30	4-25-86	9-18-86
NOVELTY (KNOX)	170- 60-100	BICEP	LORSBAN	30	4-23-86	9-15-86
MARSHALL (SALINE)	150- 0- 0	LASSO + BLADEX + ATRAZINE	LORSBAN	30	4-17-86	9-16-86
MARTHASVILLE (WARREN)	205- 0- 0	DUAL + BLADEX + ATRAZINE	LORSBAN	30	4-16-86	9-10-86
¹ COLUMBIA (BOONE)	320-100-100	LASSO + BLADEX + ATRAZINE	LORSBAN	30	4-11-86	9-08-86
¹ LAMAR (BARTON)	275-140-180	DUAL + BLADEX + ATRAZINE	LORSBAN	30	4-10-86	8-29-86
¹ SIKESTON (STODDARD)	225- 0-204	LASSO + BLADEX + ATRAZINE	LORSBAN	30	4-01-85	- -

¹ IRRIGATED TRIAL

Data Recorded. Plant stand was counted near the time of tasseling. Lodging was determined immediately before harvest. Plants leaning more than 30 degrees from the vertical and those broken below the ear were counted as lodged. Yield was measured in bushels (56 pounds) per acre at a moisture content of 15.5 percent. An electronic moisture tester was used for all moisture readings.

SUMMARY OF RESULTS

Results are presented by region of the state. For each location, data on final plant stand, total (root plus stalk) lodging, moisture content at harvest and yield adjusted to 15.5 percent moisture are given for each hybrid. As emphasized previously, because of the influence of environmental conditions on corn performance, the reader is encouraged to give more weight to results from several locations or years than to those from a single test.

Corn hybrids were evaluated in four non-irrigated and three irrigated studies in 1986 (Figure 1, Page 4). Management was as uniform as possible across locations. Details are presented in Table 1, Page 4.

Rainfall during the growing season (May-August) was generally below normal. Yields achieved in most trials were noticeably higher than those in the 1985 trials. Monthly rainfall and irrigation received at each irrigated location are shown in Table 2.

TABLE 2. ACCUMULATED RAINFALL AND IRRIGATION - 1986

LOCATION	MONTH	RAINFALL	IRRIGATION	TOTAL
COLUMBIA (BOONE)	MAY	6.86	0.00	6.86
	JUNE	3.75	2.00	5.75
	JULY	4.89	4.00	8.89
	AUGUST	2.91	2.60	5.51
	TOTAL	18.41	8.60	27.01
LAMAR (BARTON)	MAY	3.43	0.00	3.43
	JUNE	7.56	1.50	9.06
	JULY	1.41	4.50	5.91
	AUGUST	4.84	0.00	4.84
	TOTAL	17.24	6.00	23.24

Average yields and ranges observed at each location are summarized below in Table 3. The ranges give the values for the lowest and highest yielding corn hybrids in each test. These values indicate the variation in yield potential among hybrids available on the market in Missouri today. Use of data presented in the individual location tables of this Special Report should increase the probability of selecting hybrids that combine high yield potential with other agronomic characteristics appropriate to specific farming situations.

TABLE 3. 1986 HYBRID CORN YIELD SUMMARY

LOCATION	NUMBER OF ENTRIES	IRRIGATED	YIELD (BUSHEL/ACRE)		DATA TABLE
			RANGE	AVERAGE	
BARNARD	144	NO	234-160	206	5
NOVELTY	144	NO	198-136	174	6
MARSHALL	121	NO	203-137	169	8
MARTHASVILLE	121	NO	209-154	182	9
COLUMBIA	81	YES	226-171	200	11
LAMAR	81	YES	161- 75	127	12

Moisture percentage at the time of harvest is given for each entry. Because harvest was delayed until the latest hybrids in the test were mature, moisture differences among many of the early maturing entries may be small. Where large differences occur, it may indicate that entries with a high moisture content in a group are misclassified as to maturity. The listing of maturity groups found below was provided on the university entry form as a guide line for companies to use in classifying their hybrids.

TABLE 4. HYBRID CORN MATURITY GROUPINGS.

MATURITY GROUP	NO. DAYS	GROWING DEGREE DAYS
1	90-110	< 2600
2	110-120	2600-2699
3	120-130	2700-2799
4	130-140	> 2800

Lodging data are provided for each location. Lodging was a problem in some of the tests and was caused primarily by corn borer and high winds. Hybrids that consistently show above-average lodging should be avoided.

Lamar's irrigated trial yielded less than expected due to a broken irrigation motor. The Sikeston trial was lost due to a cyclone after planting and excessive rainfall, which did not allow timely replanting.

TABLE 5. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR BARNARD ON THE MEYER BROTHERS FARM DURING 1986 AND AT FAIRFAX ON THE SEYMOUR BROTHERS FARM FROM 1984-85. PLANTED: 25 APRIL 1986. HARVESTED: 18 SEPTEMBER 1986. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS (#/ACRE)		MOIST (%)			LODGING (%)			YIELD (BU/ACRE)		
	1986	1986	1986	1985	1984	1986	1985	1984	1986	1985	1984
MATURITY GROUP 1											
SEEDTEC ST-7680(SX)	22100	22.8	1.9	--	--	228.9*	--	--	--	--	--
FONTANELLE 5230(SX)	20500	23.7	0.3	1.8	2.0	225.4*	127.8*	136.0	--	--	--
MCCURDY 7384(SX)	20600	23.1	6.8	1.2	1.8	224.7*	136.9*	129.9	--	--	--
CARGILL 937(SX)	20900	23.1	7.6	4.6	4.8	224.5*	135.8*	131.1	--	--	--
MCALLISTER SX 8310(SX)	23000	23.6	3.3	3.1	0.5	224.1*	144.9*	132.6	--	--	--
MCCURDY 7372(SX)	22200	23.7	12.9	4.1	--	222.8*	127.3*	--	--	--	--
NC+ 5990(SX)	23000	22.9	4.0	--	2.2	221.2*	--	127.8	--	--	--
FUNK'S G-4543(SX)	21500	22.1	0.5	--	--	219.5*	--	--	--	--	--
SHISSLER GR8 186(SX)	21200	22.0	1.2	3.2	--	217.7*	117.6	--	--	--	--
ASGROW/O'S GOLD 2545(SX)	21600	23.1	24.4	--	1.7	214.7*	--	123.6	--	--	--
BURRUS BX71(SX)	20900	23.7	1.9	--	--	214.4*	--	--	--	--	--
JACQUES EX. 5124(SX)	20000	25.2	28.6	--	--	214.1*	--	--	--	--	--
SEEDTEC H-2601(SX)	21800	24.2	10.9	10.6	--	213.5*	125.1*	--	--	--	--
FUNK'S G-4513(SX)	21400	25.8	3.5	--	--	212.3*	--	--	--	--	--
FUNK'S G-4500(SX)	20800	23.9	8.0	--	--	211.9	--	--	--	--	--
CROW'S 488(SX)	20900	22.0	3.7	--	--	211.1	--	--	--	--	--
MFA 3514(SX)	20100	23.2	5.1	--	--	211.1	--	--	--	--	--
AMERICANA 3600(SX)	20400	22.7	0.0	--	--	210.9	--	--	--	--	--
CFS W8251(SX)	20800	26.5	8.0	--	--	210.6	--	--	--	--	--
ASGROW/O'S GOLD RX788(SX)	22800	23.2	0.4	4.4	--	210.5	129.3*	--	--	--	--
MFA 6707(SX)	19700	24.5	14.7	8.9	4.7	208.9	136.2*	135.6	--	--	--
MFA 3516(SX)	23000	22.6	2.0	--	--	208.4	--	--	--	--	--
MCALLISTER SX 8408(SX)	19900	21.8	1.9	2.5	--	208.1	126.1*	--	--	--	--
CFS 7501(SX)	20200	23.5	5.7	--	--	208.1	--	--	--	--	--
CARGILL 222660(SX)	21200	21.2	0.7	--	--	207.4	--	--	--	--	--
MFA 6708(SX)##	21400	24.5	19.0	4.2	6.1	204.9	114.9	119.1	--	--	--
BURRUS BX19(SX)	21400	21.3	0.4	4.0	--	204.7	115.8	--	--	--	--
CFS E97007(SX)	19800	22.2	2.0	--	--	203.9	--	--	--	--	--
FUNK'S G-4522(SPX)##	19500	25.5	5.3	9.5	4.9	203.6	127.4*	127.0	--	--	--
FUNK'S G-4507(SX)	21600	23.7	13.0	5.3	2.0	202.8	117.6	147.0*	--	--	--
MFA 5013(SPX)	20300	25.2	8.0	--	--	201.4	--	--	--	--	--
PAG 132701(SX)	23000	22.0	5.6	--	--	201.4	--	--	--	--	--
ASGROW/O'S GOLD 2570(SX)	20900	23.2	27.7	9.3	2.1	201.0	128.3*	140.8*	--	--	--
CARGILL 918(SX)	20300	23.5	21.6	--	--	196.9	--	--	--	--	--
MFA 5204(SX)	20300	23.2	0.7	5.4	1.1	196.9	113.5	114.8	--	--	--
PAG SX269(SX)	21800	21.1	0.0	--	--	196.1	--	--	--	--	--
JACQUES 7900(SX)	20900	23.9	33.0	6.8	1.1	195.5	142.1*	146.3*	--	--	--
FUNK'S/R.A. RA-1404(SPX)	21400	23.6	0.0	3.8	0.5	194.7	109.6	139.9*	--	--	--
NORTHROP KING PX9527(SX)	20600	23.6	2.8	7.1	5.3	194.6	125.4*	129.4	--	--	--
CARGILL 921(SX)	21900	22.2	15.2	11.3	3.5	193.8	118.3	139.6*	--	--	--
SHISSLER GR8 178(SX)	18500	23.4	0.0	4.0	--	192.4	126.5*	--	--	--	--
PAG SX310(SX)	20700	22.1	17.0	2.9	--	192.2	124.2	--	--	--	--
FUNK'S G-4440(SX)	20300	22.5	6.7	--	--	191.8	--	--	--	--	--
MCALLISTER SX 8406(SX)	19700	22.2	2.4	--	--	189.3	--	--	--	--	--
FUNK'S G-4425(SX)	21300	21.0	3.1	--	--	189.2	--	--	--	--	--
LYNKS LX 4235(SX)	21600	21.0	3.9	--	--	188.2	--	--	--	--	--
DEKALB T1100(SX)	21100	22.9	1.5	1.7	2.1	186.4	117.8	131.6	--	--	--
FUNK'S EX. 4093X(SX)	18500	21.9	2.2	--	--	184.8	--	--	--	--	--
CFS EW97015(SX)	20200	23.3	20.8	--	--	181.3	--	--	--	--	--
CARGILL 889(SX)	20900	22.1	21.0	0.7	--	179.8	116.4	--	--	--	--
CARGILL 893(SX)	22600	21.0	3.0	3.8	--	177.0	104.0	--	--	--	--
MATURITY GROUP 2											
FUNK'S G-4626(SX)	21000	24.6	19.2	--	--	226.5*	--	--	--	--	--
AGRIPRO AP655(SX)	22200	23.9	3.4	3.9	--	226.3*	137.1*	--	--	--	--
NORTHROP KING PX9540(SX)	22200	23.2	0.7	0.6	--	223.6*	125.3*	--	--	--	--
NC+ 6881(SX)	22300	24.5	16.8	--	--	222.8*	--	--	--	--	--
COKER 8620(SX)	20600	23.6	16.8	--	--	220.9*	--	--	--	--	--
SUPER CROST 5460(SX)	20900	23.0	1.5	--	--	220.9*	--	--	--	--	--
TRIUMPH 1650 FG(SX)	20900	25.9	11.6	--	--	220.3*	--	--	--	--	--
GROAGRI GSC 2333(SX)	21700	24.2	16.0	8.0	0.5	220.1*	125.4*	137.8	--	--	--
BURRUS BX26(SX)	22100	23.2	2.2	1.8	0.5	219.5*	131.8*	154.2*	--	--	--
EK PREMIUM 8805(SX)	22200	23.7	15.9	7.3	1.0	219.3*	126.1*	151.0*	--	--	--
WILSON 2100(SX)	20900	22.2	2.5	9.9	--	219.1*	129.3*	--	--	--	--
GROAGRI 2340(SX)	20500	27.0	5.3	--	--	218.9*	--	--	--	--	--
SHISSLER GR8 194(SX)	22100	27.4	3.9	4.8	1.1	218.5*	126.5*	140.3*	--	--	--
DEKALB DK636(SX)	21900	22.8	4.3	5.0	0.0	218.4*	136.0*	138.2	--	--	--
RANDELL 7118(SX)	21300	22.2	2.8	--	--	217.3*	--	--	--	--	--
SUPER CROST 5438(SX)	22700	23.1	4.2	4.6	4.3	216.1*	116.3	137.8	--	--	--
BO-JAC 602(SX)	20400	22.3	2.2	--	--	215.7*	--	--	--	--	--
ASGROW/O'S GOLD RX860(SX)	19400	25.0	2.1	--	--	214.5*	--	--	--	--	--
DOCKENDORFF 7670(SX)	18900	21.7	0.7	3.5	0.6	213.7*	125.6*	144.6*	--	--	--
BIN BUSTER SX3116(SX)	20000	22.9	2.7	--	--	213.7*	--	--	--	--	--
SUPER CROST 7576(SX)	20600	25.7	2.5	13.1	--	213.6*	96.1	--	--	--	--
WILSON 2300(SX)	21000	25.5	9.0	--	--	213.5*	--	--	--	--	--
AMERICANA 4730(SX)	21900	25.4	5.8	7.3	0.0	213.0*	120.3	152.3*	--	--	--
AGRIPRO AP670(SX)	21200	22.0	3.3	--	--	212.7*	--	--	--	--	--
GROAGRI GSC 2216(SX)	19400	23.5	17.6	4.2	1.8	211.6	120.9	130.7	--	--	--
MCALLISTER SX 7300N(SX)	18800	25.1	0.1	--	--	211.6	--	--	--	--	--
AGRIPRO 820(SX)	22100	23.3	19.6	--	--	211.6	--	--	--	--	--

TABLE 5. CONTINUED.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	1986	1985	1984	1986	1985	1984
FONTANELLE 6257(SX)	22300	23.9	17.7	3.8	1.0	211.3	120.4	139.8*
FONTANELLE 6235(SX)	19600	24.1	24.0	--	--	211.0	--	--
WILSON 1800B(SX)	21200	23.3	24.6	5.2	2.2	210.9	132.0*	127.6
CARGILL 971(SX)	22400	25.5	9.1	4.9	--	210.6	120.3	--
CARGILL 126016(SX)	20600	24.9	14.0	--	--	210.0	--	--
LEWIS 5910(SX)	21100	24.0	1.3	3.1	0.5	210.0	134.6*	135.2
BIN BUSTER SX3115(SX)	21800	23.2	10.8	--	--	209.9	--	--
CARGILL 967(SX)##	21300	24.0	7.7	5.7	2.8	209.6	126.6*	122.0
SEEDTEC ST-7750(SX)	20300	26.8	0.7	--	--	209.4	--	--
DEKALB DK656(SX)	20500	23.1	31.1	4.6	1.0	209.3	112.5	140.2*
COKER 8625(SX)	20300	22.5	1.6	4.6	--	208.0	133.9*	--
CARGILL 973(SX)	20200	24.7	1.0	4.0	--	208.0	129.8*	--
MOEWS SM 4550(SX)	19400	24.5	7.8	--	--	207.5	--	--
PAG SX351(SX)	20600	24.8	9.1	--	5.3	207.5	--	132.2
S-BRAND S-63B(SX)	18600	23.0	2.8	--	--	207.4	--	--
TRIUMPH 1595(3X)	20900	22.7	2.6	6.4	--	206.8	129.7*	--
FONTANELLE 6230(SX)	20100	24.1	25.5	5.5	--	206.7	123.9	--
KALTENBERG KX74(SX)	21500	22.9	0.0	--	--	206.5	--	--
BO-JAC 4733(SX)	18800	22.9	0.0	--	--	205.9	--	--
BO-JAC 607(SX)	19800	23.5	0.0	--	--	205.3	--	--
FUNK'S G-4635(SX)	19700	23.6	5.9	--	--	204.7	--	--
CROW'S 688(SX)	20500	24.7	5.9	5.0	--	204.4	117.7	--
PAYMASTER 7190(MSX)	20300	22.7	10.2	5.1	2.1	204.0	135.3*	115.2
SUPER CROST 5452(SX)	22100	23.8	6.2	4.4	3.2	203.7	104.9	147.6*
S-BRAND S-63(SX)	18200	22.5	1.3	4.6	1.7	203.1	124.4*	144.0*
CROW'S SL75(SX)	20400	25.2	3.0	6.1	1.0	202.8	113.5	137.9
MOEWS SM 725(SX)	21400	23.4	6.3	4.5	2.1	201.8	139.8*	126.5
GARST 8538(SX)	20300	24.5	1.5	3.6	--	200.9	123.4	--
PAG SX352(SX)	21800	23.7	28.4	6.4	2.1	200.5	115.4	134.7
MCALLISTER SX 8611(SX)	20200	23.3	0.8	--	--	200.4	--	--
GROAGRI GSC 2355(SX)	20800	25.6	16.5	5.9	1.4	200.1	139.4*	151.5*
KALTENBERG KS76(SX)	20300	23.1	1.9	--	--	199.0	--	--
JACQUES 8350(SX)	19500	25.0	9.0	--	--	198.9	--	--
LEWIS 6140(SX)	19700	23.2	2.3	--	2.3	197.9	--	126.1
PIONEER 3471(SX)	21500	21.2	0.0	--	--	197.8	--	--
GROAGRI GSC 2212(SX)	22100	24.6	23.5	7.5	1.1	196.8	123.3	138.2
AMERICANA 4040(SX)	19900	23.1	3.9	9.6	--	194.5	129.4*	--
MOEWS SM 4980(SX)	18400	23.6	33.1	6.8	--	193.0	114.3	--
DOCKENDORFF 7720(SX)	19000	23.9	4.5	--	--	191.2	--	--
LYNKS LX 4355(SX)	18500	24.6	15.7	4.3	0.5	189.9	139.8*	140.5*
RANDELL 7119(SX)	17400	22.6	0.0	2.4	--	188.8	138.0*	--
GARST 8555(SX)	21100	21.4	0.0	2.2	--	188.5	112.2	--
LYNKS LX 4348(SX)	18800	23.7	1.2	--	--	188.4	--	--
SEEDTEC H-2638(SX)	20300	24.4	6.2	--	--	188.3	--	--
AMERICANA 3300(SX)	19300	24.1	13.0	4.8	2.7	186.2	128.0*	133.4
MATURITY GROUP 3								
DEKALB DK711(SX)	20300	23.8	16.7	--	--	234.1**	--	--
PIONEER 3377(SX)##	21700	23.1	10.5	6.3	0.5	225.6*	135.7*	135.1
GARST 8344(SX)	19700	22.6	0.0	3.2	0.5	218.1*	124.2	140.6*
PIONEER 3181(SX)	22000	26.2	10.8	--	--	216.6*	--	--
TRIUMPH TRX 5120(SX)	22100	26.1	0.0	--	--	212.0	--	--
RANDELL 7122(SX)	20300	21.7	0.6	--	--	209.1	--	--
GARST 8345(SX)	20300	23.3	14.0	6.4	2.3	207.8	128.7*	136.3
PAYMASTER 7990(SX)	20000	25.3	3.2	3.4	1.1	207.6	126.7*	136.0
S-BRAND S-64B(SX)	19100	24.4	4.3	--	2.2	206.9	--	139.8*
GARST 8388(SX)	21500	23.2	2.4	2.9	2.1	206.9	140.5*	144.8*
STAUFFER SEEDS S7751(SX)	20100	23.3	11.0	--	--	205.8	--	--
STAUFFER SEEDS S7759(SX)	21000	25.0	10.9	4.9	--	205.1	122.6	--
PIONEER 3378(SX)	18700	22.4	2.8	5.2	0.6	204.7	139.6*	130.8
TRIUMPH TRX 5190(SX)#	19600	25.7	0.0	--	--	204.2	--	--
AMERICANA 4780(SX)	15200	24.7	1.5	--	--	203.7	--	--
S-BRAND S-64C(SX)	17800	22.8	2.5	--	--	201.3	--	--
PAYMASTER 8201(SX)##	20700	23.8	7.3	7.1	2.1	195.3	116.2	135.5
PAYMASTER 7989(SX)	18900	23.3	7.9	3.1	--	187.3	141.2*	--
ZIMMERMAN Z15W(SX)#	20700	27.9	18.0	--	--	180.5	--	--
ZIMMERMAN Z14W(SX)#	22400	32.8	48.6	5.2	--	160.1	110.0	--
MATURITY GROUP 4								
TRIUMPH 2460W(3X)#	19800	30.1	54.0	--	--	165.6	--	--
TRIAL AVERAGE								
L.S.D. AT .05	20647	23.7	8.3	5.6	1.9	205.9	123.3	131.7
	3317	1.9	17.6	9.2		21.8	24.6	18.8

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

-- DATA NOT AVAILABLE.

WIDELY-GROWN HYBRID.

WHITE HYBRID.

TABLE 6. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR NOVELTY ON THE GREENLEY MEMORIAL CENTER FROM 1984-86. PLANTED: 23 APRIL 1986. HARVESTED: 15 SEPTEMBER 1986. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1986	1986	1986	1985	1984	1986	1985	1984
MATURITY GROUP 1								
SEEDTEC H-2601(SX)	21900	20.9	4.5	19.6	--	193.2*	145.5	--
ASGROW/O'S GOLD RX788(SX)	22600	19.8	0.8	2.3	--	192.4*	171.2*	--
MCCURDY 7384(SX)	22800	21.0	4.1	3.5	1.6	192.2*	152.1*	56.6
NC+ 5990(SX)	21900	21.3	1.6	--	1.1	189.4*	--	62.4*
FUNK'S G-4513(SX)	22200	21.2	1.4	--	--	188.7*	--	--
MFA 3516(SX)	22200	19.9	0.7	--	--	187.5*	--	--
MCALLISTER SX 8408(SX)	21500	20.1	0.7	4.8	--	185.8*	144.3	--
CFS 7501(SX)	21600	20.7	8.8	--	--	184.8*	--	--
FUNK'S G-4500(SX)	20300	20.9	2.2	--	--	182.9*	--	--
LYNKS LX 4235(SX)	23000	19.1	1.2	--	--	182.2*	--	--
AMERICANA 3600(SX)	20100	20.5	2.3	--	--	181.7*	--	--
ASGROW/O'S GOLD 2570(SX)	21800	19.8	3.0	9.9	11.4	180.2*	115.6	59.4
JACQUES 7900(SX)	21100	20.8	19.3	9.8	3.5	180.1*	144.0	54.0
SHISSLER GR8 178(SX)	21200	21.0	2.7	2.8	--	179.9*	130.1	--
BURRUS BX71(SX)	21500	20.3	7.9	--	--	179.4*	--	--
CROW'S 488(SX)	21500	19.4	1.1	--	--	179.3*	--	--
SEEDTEC ST-7680(SX)	20700	21.1	0.8	--	--	179.0*	--	--
SHISSLER GR8 186(SX)	20500	20.6	1.5	4.9	--	178.7*	168.8*	--
CARGILL 937(SX)	21700	20.4	1.4	7.7	15.6	178.6*	168.9*	63.5*
MFA 3514(SX)	21100	20.9	4.4	--	--	178.6*	--	--
MFA 5013(SPX)	20600	22.0	3.8	--	--	177.9*	--	--
CARGILL 893(SX)	23000	18.7	0.8	4.1	--	177.6*	138.2	--
CARGILL 918(SX)	22800	21.5	4.6	--	--	177.5*	--	--
PAG SX310(SX)	20600	20.4	6.6	7.2	--	177.5*	158.7*	--
PAG 132701(SX)	20900	18.8	0.4	--	--	175.7*	--	--
JACQUES EX.5124(SX)	18400	22.9	4.4	--	--	175.7*	--	--
CFS E97007(SX)	20700	20.6	1.4	--	--	175.4*	--	--
NORTHROP KING PX9527(SX)	23000	21.6	2.2	4.1	2.6	174.5*	146.6	47.8
MFA 6708(SX)##	19500	20.9	8.7	7.8	4.9	174.4*	132.0	53.7
FUNK'S/R.A. RA-1404(SPX)	20400	19.6	1.0	4.0	2.9	173.7*	145.4	54.3
MFA 5204(SX)	20000	22.1	1.8	3.5	2.8	173.3*	134.7	42.8
PAG SX269(SX)	19600	19.3	1.9	--	--	173.3*	--	--
FUNK'S G-4543(SX)	20700	21.0	0.0	--	--	173.2*	--	--
CARGILL 921(SX)	22700	19.4	6.5	8.9	23.9	172.8*	151.6*	67.6*
MFA 6707(SX)	19900	20.3	8.2	16.7	7.3	172.8*	152.3*	62.3*
CFS W8251(SX)	21700	22.8	2.7	--	--	172.8*	--	--
CARGILL 222660(SX)	20200	18.8	2.4	--	--	171.8	--	--
MCCURDY 7372(SX)	20100	21.6	5.4	3.7	--	171.3	157.8*	--
MCALLISTER SX 8406(SX)	20500	20.4	2.4	--	--	170.6	--	--
DEKALB T1100(SX)	19400	20.7	2.7	1.5	2.8	169.7	151.7*	56.7
ASGROW/O'S GOLD 2545(SX)	21600	21.5	6.4	--	3.6	169.7	--	55.5
FONTANELLE 5230(SX)	18400	20.6	2.5	4.9	2.9	168.8	155.4*	56.7
BURRUS BX19(SX)	22500	19.2	4.5	3.1	--	167.4	131.8	--
FUNK'S G-4440(SX)	20400	20.1	11.0	--	--	167.2	--	--
FUNK'S G-4425(SX)	22800	18.5	2.0	--	--	166.4	--	--
CFS EW97015(SX)	19700	20.7	1.8	--	--	163.2	--	--
FUNK'S G-4522(SPX)##	20700	20.9	4.6	5.1	8.0	163.1	152.8*	57.5
FUNK'S EX.4093X(SX)	19100	20.0	0.6	--	--	162.3	--	--
FUNK'S G-4507(SX)	21400	21.7	8.4	9.9	6.5	160.8	150.7*	48.9
CARGILL 889(SX)	21900	17.9	3.1	4.6	--	150.3	139.4	--
MCALLISTER SX 8310(SX)	19300	20.4	2.2	3.5	1.6	147.3	164.1*	59.8
MATURITY GROUP 2								
AMERICANA 4730(SX)	21700	22.9	2.9	5.5	8.6	197.7**	149.8*	49.7
SUPER CROST 5438(SX)	22400	21.1	3.2	6.0	3.5	196.1*	141.4	60.6
WILSON 2100(SX)	23000	19.6	2.4	3.5	--	193.1*	151.9*	--
AMERICANA 4040(SX)	20900	21.1	2.0	6.1	--	190.1*	170.6*	--
AGRIPRO AP670(SX)	21800	21.1	0.1	--	--	189.4*	--	--
CROW'S SL75(SX)	22800	21.7	2.8	12.1	6.1	188.0*	155.3*	54.0
BURRUS BX26(SX)	22000	20.7	2.4	5.5	3.4	187.9*	146.4	66.9*
TRIUMPH 1595(SX)	21500	19.1	0.7	4.5	--	187.4*	168.7*	--
AGRIPRO 820(SX)	21400	20.5	3.9	--	--	187.0*	--	--
NORTHROP KING PX9540(SX)	22700	20.1	0.6	9.9	--	186.5*	158.4*	--
CROW'S 688(SX)	21800	20.9	4.1	8.0	--	185.5*	148.9	--
LEWIS 5910(SX)	22600	20.5	1.8	7.8	4.4	185.5*	151.8*	55.6
FONTANELLE 6257(SX)	20700	22.2	2.0	8.0	3.4	185.2*	123.2	69.0*
COKER 8620(SX)	21800	21.0	1.5	--	--	185.1*	--	--
MCALLISTER SX 7300N(SX)	22200	22.6	0.0	--	--	184.0*	--	--
ASGROW/O'S GOLD RX860(SX)	22000	21.9	1.4	--	--	183.2*	--	--
GROAGRI GSC 2333(SX)	22800	20.6	4.5	6.1	11.4	182.9*	147.8	53.2
COKER 8625(SX)	20100	21.1	2.5	4.1	--	181.0*	170.2*	--
FONTANELLE 6230(SX)	20700	21.2	1.2	3.8	--	180.4*	133.6	--
LEWIS 6140(SX)	21900	21.1	0.8	--	2.2	180.1*	--	58.4
BO-JAC 607(SX)	20600	21.1	0.9	--	--	179.9*	--	--
LYNKS LX 4355(SX)	21500	21.3	3.8	6.0	6.5	179.8*	163.5*	58.1
DOCKENDORFF 7670(SX)	20200	21.1	0.4	6.6	1.8	179.4*	158.2*	58.4
SEEDTEC H-2638(SX)	22800	21.0	5.6	--	--	178.9*	--	--
MCALLISTER SX 8611(SX)	20400	19.4	0.4	--	--	178.9*	--	--
JACQUES 8350(SX)	19800	23.7	2.8	--	--	178.6*	--	--
AGRIPRO AP655(SX)	20500	22.1	1.4	3.5	--	178.0*	164.1*	--

TABLE 6. CONTINUED.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1986	1986	1986	1985	1984	1986	1985	1984
BO-JAC 4733(SX)	21200	20.1	1.6	--	--	177.8*	--	--
PAYMASTER 7190(MSX)	21400	21.3	7.7	8.0	23.1	177.2*	157.7*	67.7*
DEKALB DK636(SX)	19300	20.0	3.7	8.2	2.3	177.1*	157.8*	52.5
S-BRAND S-63B(SX)	18500	20.5	2.3	--	--	176.9*	--	--
PAG SX351(SX)	22400	21.9	9.7	--	4.4	176.8*	--	44.6
MOEWS SM 725(SX)	21800	21.6	2.4	6.8	8.1	176.4*	162.1*	45.3
KALTENBERG KS76(SX)	20600	19.6	0.8	--	--	175.8*	--	--
WILSON 1800B(SX)	20900	20.6	1.7	5.9	7.3	175.6*	161.2*	54.5
MOEWS SM 4550(SX)	22100	22.9	8.6	--	--	175.6*	--	--
SUPER CROST 5452(SX)	22400	21.7	0.7	6.8	8.3	174.9*	169.8*	59.4
SUPER CROST 7576(SX)	21500	24.1	2.6	8.8	--	173.8*	146.5	--
CARGILL 971(SX)	22600	21.9	3.0	8.3	--	173.6*	146.0	--
BO-JAC 602(SX)	21700	21.0	1.9	--	--	173.6*	--	--
GARST 8555(SX)	23000	19.3	0.9	8.7	--	173.5*	146.0	--
DOCKENDORFF 7720(SX)	21200	21.3	2.0	--	--	173.5*	--	--
BIN BUSTER SX3116(SX)	19600	20.6	1.0	--	--	173.3*	--	--
SUPER CROST 5460(SX)	20800	20.5	1.8	--	--	172.6*	--	--
EK PREMIUM 8805(SX)	19200	20.6	3.2	3.2	2.3	172.5	148.1	59.6
BIN BUSTER SX3115(SX)	18700	19.9	1.2	--	--	172.4	--	--
KALTENBERG KX74(SX)	21000	20.5	0.0	--	--	172.3	--	--
SHISSLER GR8 194(SX)	19600	23.7	4.9	7.4	10.6	171.4	136.8	51.5
MOEWS SM 4980(SX)	19400	21.0	3.0	4.9	--	171.4	143.5	--
S-BRAND S-63(SX)	18700	20.1	0.9	5.4	4.5	170.5	161.4*	53.7
LYNKS LX 4348(SX)	19500	21.0	0.2	--	--	170.4	--	--
CARGILL 967(SX)##	19900	21.6	8.3	10.2	2.4	170.1	173.0*	45.0
GROAGRI GSC 2216(SX)	19000	20.8	4.1	9.2	3.1	169.5	158.1*	59.9
AMERICANA 3300(SX)	18900	20.9	2.0	9.7	8.6	169.4	128.0	71.6**
FONTANELLE 6235(SX)	18700	21.2	2.1	--	--	169.1	--	--
WILSON 2300(SX)	19600	22.0	1.5	--	--	168.8	--	--
PAG SX352(SX)	20500	20.7	1.8	6.1	5.6	168.2	179.2**	55.5
GROAGRI 2340(SX)	21600	23.1	4.9	--	--	167.9	--	--
DEKALB DK656(SX)	21600	21.3	2.2	2.7	4.5	167.2	151.9*	57.6
CARGILL 126016(SX)	21200	22.2	2.0	--	--	166.9	--	--
FUNK'S G-4626(SX)	17500	21.9	0.3	--	--	164.3	--	--
RANDELL 7118(SX)	18300	20.2	0.3	--	--	164.3	--	--
SEEDTEC ST-7750(SX)	21500	20.4	1.9	--	--	163.9	--	--
PIONEER 3471(SX)	21700	18.4	0.0	--	--	163.2	--	--
TRIUMPH 1650 FG(SX)	19500	22.1	3.2	--	--	162.0	--	--
NC+ 6881(SX)	21900	20.9	1.6	--	--	161.8	--	--
GROAGRI GSC 2212(SX)	20300	22.5	6.4	9.1	6.2	161.4	153.6*	62.6*
GARST 8538(SX)	18900	20.7	0.8	6.1	--	158.6	159.9*	--
RANDELL 7119(SX)	16800	20.3	1.8	7.7	--	158.2	140.6	--
CARGILL 973(SX)	22800	22.6	2.8	2.7	--	155.6	137.9	--
GROAGRI GSC 2355(SX)	20600	23.2	17.1	11.9	8.5	151.8	165.0*	51.8
FUNK'S G-4635(SX)	21800	24.1	3.8	--	--	150.9	--	--
MATURITY GROUP 3								
PAYMASTER 7990(SX)	21200	22.3	5.5	2.8	2.8	186.5*	157.3*	52.2
STAUFFER SEEDS S7759(SX)	20900	21.2	7.6	10.6	--	182.6*	164.8*	--
TRIUMPH TRX 5190(SX)#	21500	23.8	5.7	--	--	180.7*	--	--
GARST 8345(SX)	21700	22.1	4.8	3.8	3.6	180.1*	150.7*	48.0
TRIUMPH TRX 5120(SX)	22700	21.8	3.7	--	--	179.9*	--	--
STAUFFER SEEDS S7751(SX)	20200	21.3	1.7	--	--	179.3*	--	--
GARST 8388(SX)	22000	21.1	3.0	1.7	2.8	177.5*	161.0*	58.1
GARST 8344(SX)	22100	21.5	1.9	3.2	2.1	177.2*	145.9	54.6
PIONEER 3377(SX)##	21600	20.2	2.8	10.6	1.7	177.0*	158.7*	55.3
AMERICANA 4780(SX)	21600	22.3	2.1	--	--	174.6*	--	--
DEKALB DK711(SX)	20000	22.2	3.0	--	--	174.0*	--	--
PAYMASTER 7989(SX)	18100	21.7	7.0	6.0	--	173.9*	160.3*	--
S-BRAND S-64C(SX)	18800	21.4	0.0	--	--	173.8*	--	--
PIONEER 3181(SX)	21100	21.8	3.7	--	--	172.6*	--	--
RANDELL 7122(SX)	19900	22.4	0.7	--	--	165.7	--	--
PIONEER 3378(SX)	16300	19.5	7.9	8.6	2.4	162.1	167.8*	49.0
S-BRAND S-64B(SX)	18900	22.1	1.0	--	4.6	157.1	--	55.0
ZIMMERMAN Z15W(SX)#	19900	22.7	12.2	--	--	140.1	--	--
ZIMMERMAN Z14W(SX)#	20400	22.1	3.1	74.8	--	136.0	129.0	--
MATURITY GROUP 4								
TRIUMPH 2460W(3X)#	18400	23.3	7.6	--	--	136.9	--	--
TRIAL AVERAGE								
L.S.D. AT .05	20837	21.0	3.2	7.2	5.8	174.2	148.7	50.8
	3223	1.8	5.4	15.5		25.1	30.2	10.4

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

-- DATA NOT AVAILABLE.

WIDELY-GROWN HYBRID.

WHITE HYBRID.

TABLE 7. PERFORMANCE RECORD OF CORN HYBRIDS EVALUATED AT TWO NORTH MISSOURI LOCATIONS (BARNARD AND NOVELTY) DURING 1986. PLANTED POPULATION: 23000.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	BARNARD	NOVELTY	MEAN	BARNARD	NOVELTY	MEAN		
MATURITY GROUP 1								
MCCURDY 7384(SX)	6.8	4.1	--	5.4	224.7*	192.2*	--	208.4**
NC+ 5990(SX)	4.0	1.6	--	2.8	221.2*	189.4*	--	205.3*
SEEDTEC ST-7680(SX)	1.9	0.8	--	1.3	228.9*	179.0*	--	203.9*
SEEDTEC H-2601(SX)	10.9	4.5	--	7.7	213.5*	193.2*	--	203.3*
CARGILL 937(SX)	7.6	1.4	--	4.5	224.5*	178.6*	--	201.5*
ASGROW/O'S GOLD RX788(SX)	0.4	0.8	--	0.6	210.5*	192.4*	--	201.4*
FUNK'S G-4513(SX)	3.5	1.4	--	2.4	212.3*	188.7*	--	200.5*
SHISSLER GR8 186(SX)	1.2	1.5	--	1.3	217.7*	178.7*	--	198.2*
MFA 3516(SX)	2.0	0.7	--	1.3	208.4	187.5*	--	197.9*
FUNK'S G-4500(SX)	8.0	2.2	--	5.1	211.9	182.9*	--	197.4*
FONTANELLE 5230(SX)	0.3	2.5	--	1.4	225.4*	168.8	--	197.1*
MCCURDY 7372(SX)	12.9	5.4	--	9.1	222.8*	171.3	--	197.0*
BURRUS BX71(SX)	1.9	7.9	--	4.9	214.4*	179.4*	--	196.9*
MCALLISTER SX 8408(SX)	1.9	0.7	--	1.3	208.1	185.8*	--	196.9*
CFS 7501(SX)	5.7	8.8	--	7.2	208.1	184.8*	--	196.4*
AMERICANA 3600(SX)	0.0	2.3	--	1.1	210.9	181.7*	--	196.3*
FUNK'S G-4543(SX)	0.5	0.0	--	0.2	219.5*	173.2*	--	196.3*
CROW'S 488(SX)	3.7	1.1	--	2.4	211.1	179.3*	--	195.2*
JACQUES EX.5124(SX)	28.6	4.4	--	16.5	214.1*	175.7*	--	194.9*
MFA 3514(SX)	5.1	4.4	--	4.7	211.1	178.6*	--	194.8*
ASGROW/O'S GOLD 2545(SX)	24.4	6.4	--	15.4	214.7*	169.7	--	192.2*
CFS W8251(SX)	8.0	2.7	--	5.3	210.6	172.8*	--	191.7
MFA 6707(SX)	14.7	8.2	--	11.4	208.9	172.8*	--	190.8
ASGROW/O'S GOLD 2570(SX)	27.7	3.0	--	15.3	201.0	180.2*	--	190.6
CARGILL 222660(SX)	0.7	2.4	--	1.5	207.4	171.8	--	189.6
MFA 5013(SPX)	8.0	3.8	--	5.9	201.4	177.9*	--	189.6
MFA 6708(SX)##	19.0	8.7	--	13.8	204.9	174.4*	--	189.6
CFS E97007(SX)	2.0	1.4	--	1.7	203.9	175.4*	--	189.6
PAG 132701(SX)	5.6	0.4	--	3.0	201.4	175.7*	--	188.5
JACQUES 7900(SX)	33.0	19.3	--	26.1	195.5	180.1*	--	187.8
CARGILL 918(SX)	21.6	4.6	--	13.1	196.9	177.5*	--	187.2
SHISSLER GR8 178(SX)	0.0	2.7	--	1.3	192.4	179.9*	--	186.1
BURRUS BX19(SX)	0.4	4.5	--	2.4	204.7	167.4	--	186.0
MCALLISTER SX 8310(SX)	3.3	2.2	--	2.7	224.1*	147.3	--	185.7
LYNKS LX 4235(SX)	3.9	1.2	--	2.5	188.2	182.2*	--	185.2
MFA 5204(SX)	0.7	1.8	--	1.2	196.9	173.3*	--	185.1
PAG SX310(SX)	17.0	6.6	--	11.8	192.2	177.5*	--	184.8
PAG SX269(SX)	0.0	1.9	--	0.9	196.1	173.3*	--	184.7
NORTHROP KING PX9527(SX)	2.8	2.2	--	2.5	194.6	174.5*	--	184.5
FUNK'S/R.A. RA-1404(SPX)	0.0	1.0	--	0.5	194.7	173.7*	--	184.2
CARGILL 921(SX)	15.2	6.5	--	10.8	193.8	172.8*	--	183.3
FUNK'S G-4522(SPX)##	5.3	4.6	--	4.9	203.6	163.1	--	183.3
FUNK'S G-4507(SX)	13.0	8.4	--	10.7	202.8	160.8	--	181.8
MCALLISTER SX 8406(SX)	2.4	2.4	--	2.4	189.3	170.6	--	179.9
FUNK'S G-4440(SX)	6.7	11.0	--	8.8	191.8	167.2	--	179.5
DEKALB T1100(SX)	1.5	2.7	--	2.1	186.4	169.7	--	178.0
FUNK'S G-4425(SX)	3.1	2.0	--	2.5	189.2	166.4	--	177.8
CARGILL 893(SX)	3.0	0.8	--	1.9	177.0	177.6*	--	177.3
FUNK'S EX.4093X(SX)	2.2	0.6	--	1.4	184.8	162.3	--	173.5
CFS EW97015(SX)	20.8	1.8	--	11.3	181.3	163.2	--	172.2
CARGILL 889(SX)	21.0	3.1	--	12.0	179.8	150.3	--	165.0
MATURITY GROUP 2								
SUPER CROST 5438(SX)	4.2	3.2	--	3.7	216.1*	196.1*	--	206.1*
WILSON 2100(SX)	2.5	2.4	--	2.4	219.1*	193.1*	--	206.1*
AMERICANA 4730(SX)	5.8	2.9	--	4.3	213.0*	197.7**	--	205.3*
NORTHROP KING PX9540(SX)	0.7	0.6	--	0.6	223.6*	186.5*	--	205.0*
BURRUS BX26(SX)	2.2	2.4	--	2.3	219.5*	187.9*	--	203.7*
COKER 8620(SX)	16.8	1.5	--	9.1	220.9*	185.1*	--	203.0*
AGRIPRO AP655(SX)	3.4	1.4	--	2.4	226.3*	178.0*	--	202.1*
GROAGRI GSC 2333(SX)	16.0	4.5	--	10.2	220.1*	182.9*	--	201.5*
AGRIPRO AP670(SX)	3.3	0.1	--	1.7	212.7*	189.4*	--	201.0*
AGRIPRO 820(SX)	19.6	3.9	--	11.7	211.6	187.0*	--	199.3*
ASGROW/O'S GOLD RX860(SX)	2.1	1.4	--	1.7	214.5*	183.2*	--	198.8*
FONTANELLE 6257(SX)	17.7	2.0	--	9.8	211.3	185.2*	--	198.2*
MCALLISTER SX 7300N(SX)	0.1	0.0	--	0.0	211.6	184.0*	--	197.8*
DEKALB DK636(SX)	4.3	3.7	--	4.0	218.4*	177.1*	--	197.7*
LEWIS 5910(SX)	1.3	1.8	--	1.5	210.0	185.5*	--	197.7*
TRIUMPH 1595(3X)	2.6	0.7	--	1.6	206.8	187.4*	--	197.1*
SUPER CROST 5460(SX)	1.5	1.8	--	1.6	220.9*	172.6*	--	196.7*
DOCKENDORFF 7670(SX)	0.7	0.4	--	0.5	213.7*	179.4*	--	196.5*
EK PREMIUM 8805(SX)	15.9	3.2	--	9.5	219.3*	172.5	--	195.9*
CROW'S SL75(SX)	3.0	2.8	--	2.9	202.8	188.0*	--	195.4*
FUNK'S G-4626(SX)	19.2	0.3	--	9.7	226.5*	164.3	--	195.4*
CROW'S 688(SX)	5.9	4.1	--	5.0	204.4	185.5*	--	194.9*
SHISSLER GR8 194(SX)	3.9	4.9	--	4.4	218.5*	171.4	--	194.9*
BO-JAC 602(SX)	2.2	1.9	--	2.0	215.7*	173.6*	--	194.6*
COKER 8625(SX)	1.6	2.5	--	2.0	208.0	181.0*	--	194.5*
SUPER CROST 7576(SX)	2.5	2.6	--	2.5	213.6*	173.8*	--	193.7*
FONTANELLE 6230(SX)	25.5	1.2	--	13.3	206.7	180.4*	--	193.5*

TABLE 7. CONTINUED.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	BARNARD	NOVELTY	MEAN	BARNARD	NOVELTY	MEAN		
BIN BUSTER SX3116(SX)	2.7	1.0	--	1.8	213.7*	173.3*	--	193.5*
GROAGRI 2340(SX)	5.3	4.9	--	5.1	218.9*	167.9	--	193.4*
WILSON 1800B(SX)	24.6	1.7	--	13.1	210.9	175.6*	--	193.2*
BO-JAC 607(SX)	0.0	0.9	--	0.4	205.3	179.9*	--	192.6*
AMERICANA 4040(SX)	3.9	2.0	--	2.9	194.5	190.1*	--	192.3*
NC+ 6881(SX)	16.8	1.6	--	9.2	222.8*	161.8	--	192.3*
S-BRAND S-63B(SX)	2.8	2.3	--	2.5	207.4	176.9*	--	192.1*
CARGILL 971(SX)	9.1	3.0	--	6.0	210.6	173.6*	--	192.1*
PAG SX351(SX)	9.1	9.7	--	9.4	207.5	176.8*	--	192.1*
BO-JAC 4733(SX)	0.0	1.6	--	0.8	205.9	177.8*	--	191.8*
MOEWS SM 4550(SX)	7.8	8.6	--	8.2	207.5	175.6*	--	191.5
WILSON 2300(SX)	9.0	1.5	--	5.2	213.5*	168.8	--	191.1
TRIUMPH 1650 FG(SX)	11.6	3.2	--	7.4	220.3*	162.0	--	191.1
BIN BUSTER SX3115(SX)	10.8	1.2	--	6.0	209.9	172.4	--	191.1
RANDELL 7118(SX)	2.8	0.3	--	1.5	217.3*	164.3	--	190.8
PAYMASTER 7190(MSX)	10.2	7.7	--	8.9	204.0	177.2*	--	190.6
GROAGRI GSC 2216(SX)	17.6	4.1	--	10.8	211.6	169.5	--	190.5
FONTANELLE 6235(SX)	24.0	2.1	--	13.0	211.0	169.1	--	190.0
CARGILL 967(SX)##	7.7	8.3	--	8.0	209.6	170.1	--	189.8
MCALLISTER SX 8611(SX)	0.8	0.4	--	0.6	200.4	178.9*	--	189.6
KALTENBERG KX74(SX)	0.0	0.0	--	0.0	206.5	172.3	--	189.4
SUPER CROST 5452(SX)	6.2	0.7	--	3.4	203.7	174.9*	--	189.3
MOEWS SM 725(SX)	6.3	2.4	--	4.3	201.8	176.4*	--	189.1
LEWIS 6140(SX)	2.3	0.8	--	1.5	197.9	180.1*	--	189.0
JACQUES 8350(SX)	9.0	2.8	--	5.9	198.9	178.6*	--	188.7
CARGILL 126016(SX)	14.0	2.0	--	8.0	210.0	166.9	--	188.4
DEKALB DK656(SX)	31.1	2.2	--	16.6	209.3	167.2	--	188.2
KALTENBERG KS76(SX)	1.9	0.8	--	1.3	199.0	175.8*	--	187.4
S-BRAND S-63(SX)	1.3	0.9	--	1.1	203.1	170.5	--	186.8
SEEDTEC ST-7750(SX)	0.7	1.9	--	1.3	209.4	163.9	--	186.6
LYNKS LX 4355(SX)	15.7	3.8	--	9.7	189.9	179.8*	--	184.8
PAG SX352(SX)	28.4	1.8	--	15.1	200.5	168.2	--	184.3
SEEDTEC H-2638(SX)	6.2	5.6	--	5.9	188.3	178.9*	--	183.6
DOCKENDORFF 7720(SX)	4.5	2.0	--	3.2	191.2	173.5*	--	182.3
MOEWS SM 4980(SX)	33.1	3.0	--	18.0	193.0	171.4	--	182.2
CARGILL 973(SX)	1.0	2.8	--	1.9	208.0	155.6	--	181.8
GARST 8555(SX)	0.0	0.9	--	0.4	188.5	173.5*	--	181.0
PIIONEER 3471(SX)	0.0	0.0	--	0.0	197.8	163.2	--	180.5
GARST 8538(SX)	1.5	0.8	--	1.1	200.9	158.6	--	179.7
LYNKS LX 4348(SX)	1.2	0.2	--	0.7	188.4	170.4	--	179.4
GROAGRI GSC 2212(SX)	23.5	6.4	--	14.9	196.8	161.4	--	179.1
AMERICANA 3300(SX)	13.0	2.0	--	7.5	186.2	169.4	--	177.8
FUNK'S G-4635(SX)	5.9	3.8	--	4.8	204.7	150.9	--	177.8
GROAGRI GSC 2355(SX)	16.5	17.1	--	16.8	200.1	151.8	--	175.9
RANDELL 7119(SX)	0.0	1.8	--	0.9	188.8	158.2	--	173.5
MATURITY GROUP 3								
DEKALB DK711(SX)	16.7	3.0	--	9.8	234.1**	174.0*	--	204.0*
PIIONEER 3377(SX)##	10.5	2.8	--	6.6	225.6*	177.0*	--	201.3*
GARST 8344(SX)	0.0	1.9	--	0.9	218.1*	177.2*	--	197.6*
PAYMASTER 7990(SX)	3.2	5.5	--	4.3	207.6	186.5*	--	197.0*
TRIUMPH TRX 5120(SX)	0.0	3.7	--	1.8	212.0	179.9*	--	195.9*
PIIONEER 3181(SX)	10.8	3.7	--	7.2	216.6*	172.6*	--	194.6*
GARST 8345(SX)	14.0	4.8	--	9.4	207.8	180.1*	--	193.9*
STAUFFER SEEDS S7759(SX)	10.9	7.6	--	9.2	205.1	182.6*	--	193.8*
STAUFFER SEEDS S7751(SX)	11.0	1.7	--	6.3	205.8	179.3*	--	192.5*
TRIUMPH TRX 5190(SX)#	0.0	5.7	--	2.8	204.2	180.7*	--	192.4*
GARST 8388(SX)	2.4	3.0	--	2.7	206.9	177.5*	--	192.2*
AMERICANA 4780(SX)	1.5	2.1	--	1.8	203.7	174.6*	--	189.1
S-BRAND S-64C(SX)	2.5	0.0	--	1.2	201.3	173.8*	--	187.5
RANDELL 7122(SX)	0.6	0.7	--	0.6	209.1	165.7	--	187.4
PIIONEER 3378(SX)	2.8	7.9	--	5.3	204.7	162.1	--	183.4
S-BRAND S-64B(SX)	4.3	1.0	--	2.6	206.9	157.1	--	182.0
PAYMASTER 7989(SX)	7.9	7.0	--	7.4	187.3	173.9*	--	180.6
PAYMASTER 8201(SX)##	7.3	3.2	--	5.2	195.3	165.3	--	180.3
ZIMMERMAN Z15W(SX)#	18.0	12.2	--	15.1	180.5	140.1	--	160.3
ZIMMERMAN Z14W(SX)#	48.6	3.1	--	25.8	160.1	136.0	--	148.0
MATURITY GROUP 4								
TRIUMPH 2460W(3X)#	54.0	7.6	--	30.8	165.6	136.9	--	151.2
TRIAL AVERAGE								
L.S.D. AT .05	8.3	3.2		5.7	205.9	174.2		190.0
	17.6	5.4		9.3	21.8	25.1		16.6

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

-- DATA NOT AVAILABLE.

WIDELY-GROWN HYBRID.

WHITE HYBRID.

TABLE 8. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR MARSHALL ON THE FRANK SWISHER FARM DURING 1984-86. PLANTED: 17 APRIL 1986. HARVESTED: 16 SEPTEMBER 1986. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1986	1986	1986	1985	1984	1986	1985	1984
MATURITY GROUP 1								
SEEDTEC H-2601(SX)	22000	19.6	3.1	0.7	--	198.7*	141.4*	--
FUNK'S G-4513(SX)	20500	18.9	1.1	--	--	193.2*	--	--
BURRUS BX71(SX)	21200	17.9	0.4	--	--	185.2*	--	--
MCCURDY 7372(SX)	21800	19.3	0.7	--	--	181.9*	--	--
SHISSLER GR8 186(SX)	22000	18.3	0.9	--	--	180.3*	--	--
ASGROW/O'S GOLD RX788(SX)	20800	19.1	5.5	--	--	179.1*	--	--
CARGILL 937(SX)	22200	17.3	0.4	1.4	48.5	177.5*	143.2*	139.9
MFA 3516(SX)	21600	18.2	1.2	--	--	177.2*	--	--
NC+ 5990(SX)	21200	17.9	0.0	--	--	171.9	--	--
SEEDTEC ST-7680(SX)	21200	18.6	1.0	--	--	170.1	--	--
FUNK'S G-4507(SX)	20100	18.2	0.7	4.7	55.5	167.7	127.5	160.1
MFA 3515(SX)	20400	18.4	1.3	--	--	165.3	--	--
JACQUES 8100(SX)	19500	18.8	2.1	1.8	38.2	164.2	135.7	156.0
LYNKS LX 4235(SX)	23000	16.4	2.3	--	--	163.2	--	--
SHISSLER GR8 178(SX)	19500	16.9	1.0	--	--	160.8	--	--
FUNK'S G-4543(SX)	21200	17.6	0.0	--	--	160.7	--	--
MFA 6708(SX)##	18000	19.3	2.1	2.2	27.4	160.5	148.5*	146.6
MFA 5204(SX)	20000	16.5	0.5	3.3	19.3	159.7	140.3*	134.7
FUNK'S G-4500(SX)	22600	18.5	0.5	--	--	158.9	--	--
CARGILL 918(SX)	22400	17.4	2.6	--	--	156.3	--	--
FUNK'S G-4522(SPX)##	20100	17.4	0.5	0.5	48.2	156.3	145.9*	139.6
MFA 3514(SX)	21600	19.2	1.5	--	--	155.9	--	--
CARGILL 222660(SX)	22100	15.7	1.0	--	--	155.7	--	--
CARGILL 921(SX)	22000	16.4	1.5	1.1	31.5	155.1	140.7*	144.7
MCCURDY 7384(SX)	21200	19.4	1.7	--	--	153.9	--	--
PAG SX310(SX)	19500	16.7	5.6	1.2	--	151.5	149.0*	--
PAG 132701(SX)	18300	15.8	3.9	--	--	145.6	--	--
MFA 6707(SX)	20000	18.0	2.4	0.5	47.3	138.9	160.6*	124.8
MFA 5013(SPX)	19600	17.4	0.9	--	--	137.1	--	--
MATURITY GROUP 2								
SHISSLER GR8 194(SX)	22000	20.8	1.7	1.6	26.0	203.4**	146.9*	147.8
AGRIPRO 820(SX)	22200	19.7	0.7	--	--	194.8*	--	--
COOP 2305(SX)	20900	19.0	9.8	--	--	194.0*	--	--
FUNK'S G-4635(SX)	22100	18.8	1.1	--	--	191.7*	--	--
WILSON 1800B(SX)	21600	19.1	0.5	--	--	191.0*	--	--
SEEDTEC H-2638(SX)	20600	19.5	0.2	--	--	188.9*	--	--
LYNKS LX 4355(SX)	23000	18.9	1.3	0.0	22.4	187.1*	151.7*	155.3
DEKALB DK636(SX)	20400	18.3	1.1	0.8	17.0	183.6*	105.1	140.5
AMERICANA 3300(SX)	20800	19.1	1.7	1.4	61.9	183.2*	142.9*	146.4
GROAGRI GSC 2355(SX)	22600	21.2	5.8	1.8	57.7	182.2*	160.5*	148.6
DEKALB DK656(SX)	21100	18.4	0.6	1.3	29.4	181.4*	140.3*	150.3
JACQUES 8400(SX)	21200	20.1	4.0	1.1	53.2	181.4*	148.0*	151.7
LEWIS 6140(SX)	20300	17.3	1.1	--	--	180.4*	--	--
CARGILL 126016(SX)	20200	19.0	2.2	--	--	180.2*	--	--
FUNK'S/R.A. RA-1502(SX)	19600	19.5	0.7	0.3	23.1	178.6*	138.3	160.7
SUPER CROST 7600(SX)	22800	21.5	0.0	1.7	18.0	178.2*	145.1*	159.4
NC+ 6881(SX)	19500	19.1	0.5	--	--	176.8*	--	--
AGRIPRO AP670(SX)	21300	17.9	0.6	--	--	175.7*	--	--
COOP 2325(SX)	21300	18.4	2.0	--	--	175.1*	--	--
CARGILL 971(SX)	21300	19.2	1.7	0.4	--	174.5	149.5*	--
HOEGEMEYER SX2684(SX)	20300	18.9	0.6	--	--	174.2	--	--
FONTANELLE 6235(SX)	20300	18.5	0.7	--	--	174.2	--	--
MCCURDY 7787(SX)	19900	20.5	0.0	--	23.5	174.0	--	143.2
CARGILL 967(SX)##	23000	17.8	1.4	1.8	22.0	173.7	166.7*	147.7
WILSON 2300(SX)	21100	19.0	0.5	--	--	173.7	--	--
NORTHROP KING PX9540(SX)	21800	18.5	0.4	2.1	--	173.6	131.2	--
FONTANELLE 6230(SX)	19300	19.2	0.6	--	--	173.1	--	--
BURRUS BX95(SX)	20800	18.7	0.1	1.1	--	172.6	150.4*	--
COKER 8620(SX)	21000	18.9	0.6	--	--	170.7	--	--
HOEGEMEYER SX2687(SX)	20400	19.1	0.5	--	--	170.2	--	--
PAG SX352(SX)	21600	18.9	0.6	0.7	39.7	170.2	155.2*	160.3
SUN PRAIRIE SP2032(SX)	21700	18.5	1.5	--	--	170.2	--	--
BO-JAC 4733(SX)	20800	16.7	2.0	--	--	169.6	--	--
LYNKS LX 4348(SX)	18600	17.5	0.5	--	--	169.3	--	--
LEWIS 5910(SX)	22600	17.4	1.5	--	58.6	168.9	--	144.4
BURRUS BX26(SX)	21300	17.9	0.1	0.0	--	168.7	137.7	--
GROAGRI GSC 2212(SX)	20800	18.8	1.6	0.7	34.7	168.4	124.0	154.8
PAG SX351(SX)	21300	18.8	3.2	--	31.9	168.2	--	152.3
AGRIPRO AP655(SX)	22900	18.6	8.0	0.5	--	167.8	127.4	--
WILSON 2100(SX)	19700	18.1	9.8	--	--	167.7	--	--
COKER 8625(SX)	22000	17.0	0.1	--	--	167.6	--	--
EK PREMIUM 8805(SX)	21200	18.6	1.1	1.1	39.5	167.4	134.2	160.3
SUPER CROST 5438(SX)	20300	19.9	1.7	2.1	--	167.2	126.4	--
SUN PRAIRIE SP3150(SX)	21100	18.1	1.0	--	--	166.6	--	--
SEEDTEC ST-7750(SX)	21700	18.3	7.6	--	--	166.3	--	--
PRIZE 206(SX)	19700	17.3	0.7	1.3	20.4	166.0	122.0	184.3*
FEDERAL FX40A(SX)	20700	17.5	1.0	2.2	16.4	165.5	135.7	147.3
FUNK'S/R.A. RA-1505(SPX)	21000	18.4	6.3	3.0	29.2	164.5	146.8*	138.0
S-BRAND S-63(SX)	19000	18.2	1.0	1.8	--	164.3	145.5*	--

TABLE 8. CONTINUED.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	1986	1985	1984	1986	1985	1984
AMERICANA 4730(SX)	19000	21.0	8.8	0.0	26.3	164.3	138.5	148.9
SUPER CROST 7576(SX)	22200	21.4	0.0	--	--	163.7	--	--
AMERICAN X808(SX)	21800	19.0	2.8	--	--	163.0	--	--
ASGROW/O'S GOLD RX860(SX)	18600	19.5	0.5	--	--	162.9	--	--
JACQUES 8350(SX)	18600	19.5	1.7	--	--	162.6	--	--
SUPER CROST 5452(SX)	19300	19.5	0.1	0.6	--	160.0	151.3*	--
LYNKS LX 4406(SX)	20300	18.1	0.6	0.8	--	159.4	148.0*	--
BO-JAC 602(SX)	21600	18.1	1.5	--	--	159.4	--	--
FUNK'S G-4626(SX)	20700	17.0	0.1	--	--	158.3	--	--
AMERICANA 4040(SX)	20800	18.5	0.5	0.5	--	158.2	111.0	--
S-BRAND S-63B(SX)	19400	17.8	0.6	--	--	158.1	--	--
HOEGEMeyer SX2692(SX)	22400	18.8	0.6	--	--	158.1	--	--
PAYMASTER 7190(MSX)	18700	17.4	1.7	--	56.0	156.9	--	136.1
FUNK'S G-4673A(SPX)	21700	19.3	3.3	1.0	16.5	154.4	144.6*	130.5
CARGILL 973(SX)	21700	19.1	0.0	0.5	--	151.1	139.3	--
SUN PRAIRIE SP2405(SX)	21100	16.9	0.4	--	--	150.8	--	--
MATURITY GROUP 3								
PIONEER 3181(SX)	21500	18.8	0.6	--	--	197.0*	--	--
PAG 125618(SX)	20100	19.7	0.4	--	--	195.6*	--	--
PAYMASTER 7990(SX)	20800	18.8	2.2	0.4	34.4	187.6*	146.8*	153.0
AGRIPRO HP771(SX)	21800	20.0	2.6	2.7	--	184.0*	164.3*	--
PAYMASTER 8201(SX)##	20600	18.9	1.3	1.0	61.0	183.6*	142.1*	164.6
GARST 8345(SX)	21300	18.8	0.6	1.1	35.8	183.4*	151.8*	149.7
AMERICANA 4780(SX)	20800	18.9	0.1	2.2	--	180.7*	149.7*	--
NORTHROP KING PX9584(SX)	23000	18.5	0.3	--	--	179.3*	--	--
DEKALB DK711(SX)	21100	20.5	1.2	--	--	175.7*	--	--
SUN PRAIRIE SP5850(SX)	21800	20.5	0.0	--	--	173.6	--	--
GARST 8344(SX)	20500	19.0	1.1	0.7	22.6	173.5	128.5	156.4
NORTHROP KING PX9581(SX)	22800	19.8	1.0	0.3	26.0	171.4	132.9	151.7
STAUFFER SEEDS 114+(SX)	18800	21.1	1.1	1.1	21.4	169.4	143.2*	143.5
CARGILL 980(SX)	21800	21.6	3.7	0.7	42.2	168.7	162.3*	167.1*
STAUFFER SEEDS S7759(SX)	20500	19.3	0.6	1.1	--	164.6	133.1	--
AGRIPRO 830(SX)	20800	17.5	1.9	--	--	163.6	--	--
PIONEER 3378(SX)	17700	17.0	0.9	0.3	5.6	162.3	147.4*	146.9
S-BRAND S-64B(SX)	19800	20.3	0.1	--	--	158.0	--	--
PIONEER 3389(SX)	20300	17.7	0.0	1.2	--	157.5	141.7*	--
LYNKS LX 4533(SX)	21300	18.6	0.5	--	--	157.0	--	--
PAYMASTER 7989(SX)	16400	18.1	1.4	3.3	--	157.0	168.7**	--
GARST 8185(SX)	23000	18.8	2.1	--	--	153.9	--	--
PAYMASTER X126021(SX)	22600	18.6	1.1	--	--	151.7	--	--
S-BRAND S-64C(SX)	16400	18.9	0.0	--	--	149.7	--	--
PIONEER 3377(SX)##	21800	16.7	2.7	0.7	30.5	146.1	140.8*	164.7
MATURITY GROUP 4								
AMERICANA C601(SX)	19900	17.8	1.6	--	--	162.0	--	--
STAUFFER SEEDS S8645(SX)	22000	18.9	1.1	--	--	157.3	--	--
TRIAL AVERAGE								
L.S.D. AT .05	20885	18.6	1.5	1.5	32.9	169.2	139.1	147.8
	2663	1.2	2.6	3.3		28.5	28.8	20.0

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

-- DATA NOT AVAILABLE.

WIDELY-GROWN HYBRID.

WHITE HYBRID.

TABLE 9. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR MARTHASVILLE ON THE JIM HELLEBUSCH FARM DURING 1986 AND NEAR O FALLON ON THE RICHARD SCHIPPER FARM FROM 1984-85. PLANTED: 16 APRIL 1986. HARVESTED: 10 SEPTEMBER 1986. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS (#/ACRE)		LODGING (%)			YIELD (BU/ACRE)		
	1986	1986	1986	1985	1984	1986	1985	1984
MATURITY GROUP 1								
JACQUES 8100(SX)	21200	20.5	0.5	0.0	1.3	203.5*	109.4*	165.8*
SEEDTEC H-2601(SX)	23000	21.4	0.4	0.0	--	200.4*	105.1	--
SEEDTEC ST-7680(SX)	22000	20.1	0.5	--	--	197.1*	--	--
SHISSLER GR8 186(SX)	22600	21.2	0.0	--	--	193.9*	--	--
MCCURDY 7372(SX)	22200	19.8	0.5	--	--	190.7*	--	--
FUNK'S G-4513(SX)	23000	20.5	0.5	--	--	190.4*	--	--
NC+ 5990(SX)	22300	19.5	0.0	--	--	190.0*	--	--
MFA 6708(SX)##	20300	21.1	0.0	0.0	0.6	189.8*	104.3	162.2
ASGROW/O'S GOLD RX788(SX)	23000	19.4	0.0	--	--	189.1*	--	--
MFA 6707(SX)	21700	19.2	0.5	0.4	1.4	188.6*	113.3*	158.1
BURRUS BX71(SX)	22300	19.0	0.0	--	--	187.4*	--	--
CARGILL 937(SX)	21800	18.2	0.0	2.6	3.4	186.7*	103.6	154.7
MFA 3514(SX)	22100	20.7	1.0	--	--	185.8*	--	--
MFA 3515(SX)	23000	19.6	0.5	--	--	184.7*	--	--
CARGILL 222660(SX)	21000	17.1	0.0	--	--	184.3*	--	--
MFA 3516(SX)	21900	19.8	0.5	--	--	183.0*	--	--
MFA 5013(SPX)	21800	20.5	0.5	--	--	182.1*	--	--
FUNK'S G-4507(SX)	21600	20.1	0.5	0.7	0.7	180.9*	102.2	166.8*
LYNKS LX 4235(SX)	22800	16.8	0.0	--	--	179.3*	--	--
FUNK'S G-4543(SX)	18200	19.6	0.0	--	--	179.2*	--	--
FUNK'S G-4500(SX)	21900	22.1	0.0	--	--	178.8*	--	--
MCCURDY 7384(SX)	22300	24.9	0.0	--	--	172.1	--	--
PAG SX310(SX)	20700	19.1	0.0	0.0	--	171.5	95.9	--
CARGILL 921(SX)	22200	18.8	0.0	0.3	2.9	171.3	62.4	149.6
CARGILL 918(SX)	23000	19.0	0.5	--	--	166.8	--	--
FUNK'S G-4522(SPX)##	20600	18.6	0.5	0.8	1.5	165.4	117.5*	160.8
PAG 132701(SX)	23000	18.0	0.0	--	--	164.7	--	--
SHISSLER GR8 178(SX)	18500	17.8	0.0	--	--	162.3	--	--
MFA 5204(SX)	20500	17.6	0.5	1.4	0.6	158.0	70.7	162.2
MATURITY GROUP 2								
FUNK'S G-4635(SX)	23000	21.0	0.0	--	--	208.6**	--	--
COOP 2325(SX)	22200	20.5	0.0	--	--	204.8*	--	--
SHISSLER GR8 194(SX)	21600	23.1	0.0	0.0	1.4	204.5*	108.2	165.9*
CARGILL 126016(SX)	23000	21.6	0.4	--	--	203.8*	--	--
BO-JAC 4733(SX)	21800	18.6	0.0	--	--	202.1*	--	--
PAG SX352(SX)	22200	21.0	0.0	0.0	0.0	198.7*	103.6	169.8*
WILSON 2100(SX)	23000	19.4	0.0	--	--	197.5*	--	--
S-BRAND S-63(SX)	20500	18.3	0.0	0.0	--	196.7*	109.4*	--
CARGILL 971(SX)	22700	21.3	0.0	0.0	--	195.9*	99.9	--
JACQUES 8400(SX)	23000	21.8	1.0	0.0	0.8	195.3*	125.4*	160.0
ASGROW/O'S GOLD RX860(SX)	23000	22.3	0.0	--	--	195.2*	--	--
FONTANELLE 6230(SX)	22200	20.2	0.0	--	--	192.6*	--	--
AGRIPRO AP670(SX)	22800	19.9	0.0	--	--	192.3*	--	--
GROAGRI GSC 2355(SX)	21200	23.0	0.0	0.4	1.6	191.6*	98.2	150.7
FUNK'S/R.A. RA-1505(SPX)	21000	21.6	0.0	6.0	0.5	190.5*	93.8	173.7*
WILSON 1800B(SX)	20000	21.0	0.0	--	--	189.7*	--	--
PRIZE 206(SX)	21100	19.4	0.0	0.0	2.0	189.4*	113.0*	166.8*
PAG SX351(SX)	23000	21.5	0.0	--	3.9	188.9*	--	145.9
SUPER CROST 7600(SX)	23000	22.1	0.0	0.7	1.4	188.5*	130.9*	158.5
FEDERAL FX40A(SX)	22100	18.9	1.1	0.5	0.0	188.3*	88.7	140.9
LYNKS LX 4406(SX)	22500	20.8	1.0	1.2	--	186.7*	101.1	--
LYNKS LX 4348(SX)	18700	18.1	0.0	--	--	186.5*	--	--
AGRIPRO 820(SX)	23000	21.0	0.0	--	--	186.1*	--	--
GROAGRI GSC 2212(SX)	20600	19.9	1.5	0.5	0.6	185.7*	112.6*	147.9
PAYMASTER 7190(MSX)	22800	19.0	0.0	--	2.7	185.7*	--	154.4
EK PREMIUM 8805(SX)	21200	19.6	0.6	0.0	2.1	184.5*	87.5	156.2
FONTANELLE 6235(SX)	21000	19.9	0.0	--	--	184.4*	--	--
LYNKS LX 4355(SX)	22700	21.8	0.0	1.2	1.1	184.1*	105.1	155.3
HORGEMEYER SX2692(SX)	22600	19.8	0.0	--	--	183.8*	--	--
SEEDTEC H-2638(SX)	22300	21.9	0.0	--	--	183.6*	--	--
NC+ 6881(SX)	21300	20.8	0.5	--	--	182.0*	--	--
S-BRAND S-63B(SX)	21300	19.1	0.6	--	--	181.6*	--	--
BO-JAC 602(SX)	20000	19.4	0.0	--	--	181.3*	--	--
SUPER CROST 5452(SX)	23000	20.7	0.9	18.5	--	180.8*	76.1	--
DEKALB DK656(SX)	20900	19.6	1.1	0.0	0.0	180.6*	91.5	146.8
AMERICANA 4730(SX)	21800	22.9	0.0	0.1	0.7	180.5*	119.6*	150.1
AMERICANA 3300(SX)	21000	19.8	0.0	0.0	2.6	180.0*	101.5	146.1
MCCURDY 7787(SX)	17800	23.0	0.8	--	3.9	179.9*	--	141.2
COOP 2305(SX)	21800	20.9	0.5	--	--	179.1*	--	--
WILSON 2300(SX)	23000	20.6	0.5	--	--	178.9*	--	--
LEWIS 5910(SX)	21700	20.0	0.5	--	0.0	178.9*	--	177.7*
FUNK'S/R.A. RA-1502(SX)	23000	21.2	0.0	0.7	2.2	178.8*	113.6*	162.3
BURRUS BX95(SX)	22600	20.1	0.4	0.2	--	178.4*	131.9*	--
SUN PRAIRIE SP3150(SX)	22500	19.4	0.0	--	--	177.8*	--	--
LEWIS 6140(SX)	20600	19.3	0.0	--	--	177.4*	--	--
FUNK'S G-4626(SX)	23000	19.5	0.0	--	--	177.4*	--	--
AMERICANA 4040(SX)	21600	20.1	0.6	0.4	--	177.3*	114.8*	--
CARGILL 967(SX)##	23000	20.8	0.9	1.2	2.1	177.2*	88.6	149.7
DEKALB DK636(SX)	20600	19.5	0.0	12.2	0.7	177.2*	79.2	160.7

TABLE 9. CONTINUED.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1986	1986	1986	1985	1984	1986	1985	1984
FUNK'S G-4673A(SPX)	21000	19.6	1.1	0.2	1.8	177.2*	122.7*	170.3*
HOEGEMEYER SX2687(SX)	18100	21.7	0.0	--	--	176.7*	--	--
NORTHROP KING PX9540(SX)	22900	20.8	0.0	0.7	--	175.7*	101.5	--
SUPER CROST 5438(SX)	21500	20.4	0.0	0.5	--	175.1	93.7	--
SUPER CROST 7576(SX)	18900	22.3	1.0	--	--	172.9	--	--
SEEDTEC ST-7750(SX)	21900	20.9	0.5	--	--	171.5	--	--
BURRUS BX26(SX)	23000	20.8	0.0	0.4	--	171.1	106.9	--
HOEGEMEYER SX2684(SX)	22900	20.5	0.5	--	--	169.6	--	--
COKER 8620(SX)	19600	20.7	0.0	--	--	168.5	--	--
SUN PRAIRIE SP2032(SX)	22300	21.3	0.0	--	--	167.3	--	--
COKER 8625(SX)	21000	19.3	0.0	--	--	166.3	--	--
AGRIPRO AP655(SX)	21900	20.6	0.0	0.3	--	165.7	91.1	--
AMERICAN X808(SX)	19800	20.4	0.5	--	--	165.5	--	--
CARGILL 973(SX)	20500	20.5	0.0	0.3	--	159.1	103.6	--
SUN PRAIRIE SP2405(SX)	20700	17.9	0.5	--	--	156.6	--	--
JACQUES 8350(SX)	19700	21.7	0.5	--	--	154.1	--	--
MATURITY GROUP 3								
DEKALB DK711(SX)	23000	22.4	0.9	--	--	199.4*	--	--
PIONEER 3389(SX)	23000	18.9	0.0	9.7	--	197.1*	96.3	--
GARST 8345(SX)	22900	21.5	0.4	0.0	0.6	196.8*	96.5	162.6
AGRIPRO 830(SX)	22100	21.7	0.0	--	--	195.8*	--	--
STAUFFER SEEDS S7759(SX)	22100	20.3	0.0	0.2	--	195.7*	101.5	--
PIONEER 3377(SX)##	21500	18.7	0.4	4.6	0.0	194.0*	90.3	153.3
AGRIPRO HP771(SX)	23000	22.6	2.5	0.0	--	193.2*	133.6*	--
PAYMASTER 7990(SX)	21000	20.0	0.4	9.8	0.6	192.3*	80.8	170.8*
PAG 125618(SX)	19800	22.2	0.5	--	--	188.4*	--	--
PIONEER 3378(SX)	19300	18.8	0.0	1.1	0.0	187.8*	125.5*	156.4
SUN PRAIRIE SP5850(SX)	21500	22.3	0.6	--	--	187.4*	--	--
STAUFFER SEEDS 114+(SX)	22000	22.2	0.0	0.2	3.0	187.2*	121.9*	163.5
PAYMASTER 8201(SX)##	21100	20.1	0.5	0.4	1.2	184.8*	108.1	163.8*
LYNKS LX 4533(SX)	22800	20.9	0.0	--	--	181.9*	--	--
GARST 8344(SX)	22300	20.1	0.0	0.0	0.0	180.3*	105.7	158.3
AMERICANA 4780(SX)	21200	20.3	0.0	0.0	--	180.2*	107.6	--
PAYMASTER X126021(SX)	23000	21.6	0.0	--	--	177.0*	--	--
GARST 8185(SX)	23000	16.2	0.0	--	--	174.6	--	--
NORTHROP KING PX9581(SX)	22000	21.6	0.0	0.1	5.9	173.9	108.0	161.6
NORTHROP KING PX9584(SX)	22200	21.8	0.0	--	--	173.7	--	--
S-BRAND S-64B(SX)	19100	21.1	0.0	--	--	173.4	--	--
PIONEER 3181(SX)	22600	20.2	0.5	--	--	170.4	--	--
S-BRAND S-64C(SX)	18000	19.1	0.0	--	--	169.1	--	--
CARGILL 980(SX)	18300	22.7	0.0	0.0	2.8	167.2	115.6*	154.5
PAYMASTER 7989(SX)	17000	20.2	0.0	2.8	--	165.2	101.7	--
MATURITY GROUP 4								
STAUFFER SEEDS S8645(SX)	23000	20.5	0.0	--	--	192.7*	--	--
AMERICANA C601(SX)	19600	19.4	0.0	--	--	174.3	--	--
TRIAL AVERAGE								
	21580	20.3	0.2	1.4	1.6	182.6	101.5	154.8
L.S.D. AT .05	3528	1.8	1.2	8.3		33.1	29.0	22.9

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

-- DATA NOT AVAILABLE.

WIDELY-GROWN HYBRID.

WHITE HYBRID.

TABLE 10. PERFORMANCE RECORD OF CORN HYBRIDS EVALUATED AT TWO CENTRAL MISSOURI LOCATIONS
(MARSHALL AND MARTHASVILLE) DURING 1986.
PLANTED POPULATION: 23000.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	MARSHAL	MARTHASV	MEAN	MARSHALL	MARTHASVIL	MEAN		
MATURITY GROUP 1								
SEEDTEC H-2601(SX)	3.1	0.4	--	1.7	198.7*	200.4*	--	199.5*
FUNK'S G-4513(SX)	1.1	0.5	--	0.8	193.2*	190.4*	--	191.8*
SHISSLER GR8 186(SX)	0.9	0.0	--	0.4	180.3*	193.9*	--	187.1*
BURRUS BX71(SX)	0.4	0.0	--	0.2	185.2*	187.4*	--	186.3*
MCCURDY 7372(SX)	0.7	0.5	--	0.6	181.9*	190.7*	--	186.3*
ASGROW/O'S GOLD RX788(SX)	5.5	0.0	--	2.7	179.1*	189.1*	--	184.1*
JACQUES 8100(SX)	2.1	0.5	--	1.3	164.2	203.5*	--	183.8*
SEEDTEC ST-7680(SX)	1.0	0.5	--	0.7	170.1	197.1*	--	183.6*
CARGILL 937(SX)	0.4	0.0	--	0.2	177.5*	186.7*	--	182.1*
NC+ 5990(SX)	0.0	0.0	--	0.0	171.9	190.0*	--	180.9
MFA 3516(SX)	1.2	0.5	--	0.8	177.2*	183.0*	--	180.1
MFA 6708(SX)##	2.1	0.0	--	1.0	160.5	189.8*	--	175.1
MFA 3515(SX)	1.3	0.5	--	0.9	165.3	184.7*	--	175.0
FUNK'S G-4507(SX)	0.7	0.5	--	0.6	167.7	180.9*	--	174.3
LYNKS LX 4235(SX)	2.3	0.0	--	1.1	163.2	179.3*	--	171.2
MFA 3514(SX)	1.5	1.0	--	1.2	155.9	185.8*	--	170.8
CARGILL 222660(SX)	1.0	0.0	--	0.5	155.7	184.3*	--	170.0
FUNK'S G-4543(SX)	0.0	0.0	--	0.0	160.7	179.2*	--	169.9
FUNK'S G-4500(SX)	0.5	0.0	--	0.2	158.9	178.8*	--	168.8
MFA 6707(SX)	2.4	0.5	--	1.4	138.9	188.6*	--	163.7
CARGILL 921(SX)	1.5	0.0	--	0.7	155.1	171.3	--	163.2
MCCURDY 7384(SX)	1.7	0.0	--	0.8	153.9	172.1	--	163.0
CARGILL 918(SX)	2.6	0.5	--	1.5	156.3	166.8	--	161.5
SHISSLER GR8 178(SX)	1.0	0.0	--	0.5	160.8	162.3	--	161.5
PAG SX310(SX)	5.6	0.0	--	2.8	151.5	171.5	--	161.5
FUNK'S G-4522(SPX)##	0.5	0.5	--	0.5	156.3	165.4	--	160.8
MFA 5013(SPX)	0.9	0.5	--	0.7	137.1	182.1*	--	159.6
MFA 5204(SX)	0.5	0.5	--	0.5	159.7	158.0	--	158.8
PAG 132701(SX)	3.9	0.0	--	1.9	145.6	164.7	--	155.1
MATURITY GROUP 2								
SHISSLER GR8 194(SX)	1.7	0.0	--	0.8	203.4**	204.5*	--	203.9**
FUNK'S G-4635(SX)	1.1	0.0	--	0.5	191.7*	208.6**	--	200.1*
CARGILL 126016(SX)	2.2	0.4	--	1.3	180.2*	203.8*	--	192.0*
AGRIPRO 820(SX)	0.7	0.0	--	0.3	194.8*	186.1*	--	190.4*
WILSON 1800B(SX)	0.5	0.0	--	0.2	191.0*	189.7*	--	190.3**
COOP 2325(SX)	2.0	0.0	--	1.0	175.1*	204.8*	--	189.9*
JACQUES 8400(SX)	4.0	1.0	--	2.5	181.4*	195.3*	--	188.3*
GROAGRI GSC 2355(SX)	5.8	0.0	--	2.9	182.2*	191.6*	--	186.9*
COOP 2305(SX)	9.8	0.5	--	5.1	194.0*	179.1*	--	186.5*
SEEDTEC H-2638(SX)	0.2	0.0	--	0.1	188.9*	183.6*	--	186.2*
BO-JAC 4733(SX)	2.0	0.0	--	1.0	169.6	202.1*	--	185.8*
LYNKS LX 4355(SX)	1.3	0.0	--	0.6	187.1*	184.1*	--	185.6*
CARGILL 971(SX)	1.7	0.0	--	0.8	174.5	195.9*	--	185.2*
PAG SX352(SX)	0.6	0.0	--	0.3	170.2	198.7*	--	184.4*
AGRIPRO AP670(SX)	0.6	0.0	--	0.3	175.7*	192.3*	--	184.0*
SUPER CROST 7600(SX)	0.0	0.0	--	0.0	178.2*	188.5*	--	183.3*
FONTANELLE 6230(SX)	0.6	0.0	--	0.3	173.1	192.6*	--	182.8*
WILSON 2100(SX)	9.8	0.0	--	4.9	167.7	197.5*	--	182.6**
AMERICANA 3300(SX)	1.7	0.0	--	0.8	183.2*	180.0*	--	181.6
DEKALB DK656(SX)	0.6	1.1	--	0.8	181.4*	180.6*	--	181.0
S-BRAND S-63(SX)	1.0	0.0	--	0.5	164.3	196.7*	--	180.5
DEKALB DK636(SX)	1.1	0.0	--	0.5	183.6*	177.2*	--	180.4
NC+ 6881(SX)	0.5	0.5	--	0.5	176.8*	182.0*	--	179.4
FONTANELLE 6235(SX)	0.7	0.0	--	0.3	174.2	184.4*	--	179.3
ASGROW/O'S GOLD RX860(SX)	0.5	0.0	--	0.2	162.9	195.2*	--	179.0
LEWIS 6140(SX)	1.1	0.0	--	0.5	180.4*	177.4*	--	178.9
FUNK'S/R.A. RA-1502(SX)	0.7	0.0	--	0.3	178.6*	178.8*	--	178.7
PAG SX351(SX)	3.2	0.0	--	1.6	168.2	188.9*	--	178.5
LYNKS LX 4348(SX)	0.5	0.0	--	0.2	169.3	186.5*	--	177.9
PRIZE 206(SX)	0.7	0.0	--	0.3	166.0	189.4*	--	177.7
FUNK'S/R.A. RA-1505(SPX)	6.3	0.0	--	3.1	164.5	190.5*	--	177.5
GROAGRI GSC 2212(SX)	1.6	1.5	--	1.5	168.4	185.7*	--	177.0
MCCURDY 7787(SX)	0.0	0.8	--	0.4	174.0	179.9*	--	176.9
FEDERAL FX40A(SX)	1.0	1.1	--	1.0	165.5	188.3*	--	176.9
WILSON 2300(SX)	0.5	0.5	--	0.5	173.7	178.9*	--	176.3
EK PREMIUM 8805(SX)	1.1	0.6	--	0.8	167.4	184.5*	--	175.9
BURRUS BX95(SX)	0.1	0.4	--	0.2	172.6	178.4*	--	175.5
CARGILL 967(SX)##	1.4	0.9	--	1.1	173.7	177.2*	--	175.4
NORTHROP KING PX9540(SX)	0.4	0.0	--	0.2	173.6	175.7*	--	174.6
LEWIS 5910(SX)	1.5	0.5	--	1.0	168.9	178.9*	--	173.9
HOEGEMEYER SX2687(SX)	0.5	0.0	--	0.2	170.2	176.7*	--	173.4
LYNKS LX 4406(SX)	0.6	1.0	--	0.8	159.4	186.7*	--	173.0
AMERICANA 4730(SX)	8.8	0.0	--	4.4	164.3	180.5*	--	172.4
SUN PRAIRIE SP3150(SX)	1.0	0.0	--	0.5	166.6	177.8*	--	172.2
HOEGEMEYER SX2684(SX)	0.6	0.5	--	0.5	174.2	169.6	--	171.9
PAYMASTER 7190(MSX)	1.7	0.0	--	0.8	156.9	185.7*	--	171.3
SUPER CROST 5438(SX)	1.7	0.0	--	0.8	167.2	175.1	--	171.1
HOEGEMEYER SX2692(SX)	0.6	0.0	--	0.3	158.1	183.8*	--	170.9
SUPER CROST 5452(SX)	0.1	0.9	--	0.5	160.0	180.8*	--	170.4

TABLE 10. CONTINUED.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	MARSHAL	MARTHASV	MEAN	MARSHALL	MARTHASVIL	MEAN		
BO-JAC 602(SX)	1.5	0.0	--	0.7	159.4	181.3*	--	170.3
BURRUS BX26(SX)	0.1	0.0	--	0.0	168.7	171.1	--	169.9
S-BRAND S-63B(SX)	0.6	0.6	--	0.6	158.1	181.6*	--	169.8
COKER 8620(SX)	0.6	0.0	--	0.3	170.7	168.5	--	169.6
SEEDTEC ST-7750(SX)	7.6	0.5	--	4.0	166.3	171.5	--	168.9
SUN PRAIRIE SP2032(SX)	1.5	0.0	--	0.7	170.2	167.3	--	168.7
SUPER CROST 7576(SX)	0.0	1.0	--	0.5	163.7	172.9	--	168.3
FUNK'S G-4626(SX)	0.1	0.0	--	0.0	158.3	177.4*	--	167.8
AMERICANA 4040(SX)	0.5	0.6	--	0.5	158.2	177.3*	--	167.7
COKER 8625(SX)	0.1	0.0	--	0.0	167.6	166.3	--	166.9
AGRIPRO AP655(SX)	8.0	0.0	--	4.0	167.8	165.7	--	166.7
FUNK'S G-4673A(SPX)	3.3	1.1	--	2.2	154.4	177.2*	--	165.8
AMERICAN X808(SX)	2.8	0.5	--	1.6	163.0	165.5	--	164.2
JACQUES 8350(SX)	1.7	0.5	--	1.1	162.6	154.1	--	158.3
CARGILL 973(SX)	0.0	0.0	--	0.0	151.1	159.1	--	155.1
SUN PRAIRIE SP2405(SX)	0.4	0.5	--	0.4	150.8	156.6	--	153.7
MATURITY GROUP 3								
PAG 125618(SX)	0.4	0.5	--	0.4	195.6*	188.4*	--	192.0*
GARST 8345(SX)	0.6	0.4	--	0.5	183.4*	196.8*	--	190.1*
PAYMASTER 7990(SX)	2.2	0.4	--	1.3	187.6*	192.3*	--	189.9*
AGRIPRO HP771(SX)	2.6	2.5	--	2.5	184.0*	193.2*	--	188.6*
DEKALB DK711(SX)	1.2	0.9	--	1.0	175.7*	199.4*	--	187.5*
PAYMASTER 8201(SX)##	1.3	0.5	--	0.9	183.6*	184.8*	--	184.2*
PIONEER 3181(SX)	0.6	0.5	--	0.5	197.0*	170.4	--	183.7*
SUN PRAIRIE SP5850(SX)	0.0	0.6	--	0.3	173.6	187.4*	--	180.5
AMERICANA 4780(SX)	0.1	0.0	--	0.0	180.7*	180.2*	--	180.4
STAUFFER SEEDS S7759(SX)	0.6	0.0	--	0.3	164.6	195.7*	--	180.1
AGRIPRO 830(SX)	1.9	0.0	--	0.9	163.6	195.8*	--	179.7
STAUFFER SEEDS 114+(SX)	1.1	0.0	--	0.5	169.4	187.2*	--	178.3
PIONEER 3389(SX)	0.0	0.0	--	0.0	157.5	197.1*	--	177.3
GARST 8344(SX)	1.1	0.0	--	0.5	173.5	180.3*	--	176.9
NORTHRUP KING PX9584(SX)	0.3	0.0	--	0.1	179.3*	173.7	--	176.5
PIONEER 3378(SX)	0.9	0.0	--	0.4	162.3	187.8*	--	175.0
NORTHRUP KING PX9581(SX)	1.0	0.0	--	0.5	171.4	173.9	--	172.6
PIONEER 3377(SX)##	2.7	0.4	--	1.5	146.1	194.0*	--	170.0
LYNKS LX 4533(SX)	0.5	0.0	--	0.2	157.0	181.9*	--	169.4
CARGILL 980(SX)	3.7	0.0	--	1.8	168.7	167.2	--	167.9
S-BRAND S-64B(SX)	0.1	0.0	--	0.0	158.0	173.4	--	165.7
PAYMASTER X126021(SX)	1.1	0.0	--	0.5	151.7	177.0*	--	164.3
GARST 8185(SX)	2.1	0.0	--	1.0	153.9	174.6	--	164.2
PAYMASTER 7989(SX)	1.4	0.0	--	0.7	157.0	165.2	--	161.1
S-BRAND S-64C(SX)	0.0	0.0	--	0.0	149.7	169.1	--	159.4
MATURITY GROUP 4								
STAUFFER SEEDS S8645(SX)	1.1	0.0	--	0.5	157.3	192.7*	--	175.0
AMERICANA C601(SX)	1.6	0.0	--	0.8	162.0	174.3	--	168.1
TRIAL AVERAGE								
TRIAL AVERAGE	1.5	0.2		0.9	169.2	182.6		175.9
L.S.D. AT .05	2.6	1.2		1.4	28.5	33.1		22.1

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

-- DATA NOT AVAILABLE.

WIDELY-GROWN HYBRID.

WHITE HYBRID.

TABLE 11. PERFORMANCE OF IRRIGATED CORN HYBRIDS EVALUATED NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER FROM 1984-86. PLANTED: 11 APRIL 1986. HARVESTED: 8 SEPTEMBER 1986. PLANTED POPULATION: 29200.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1986	1986	1986	1985	1984	1986	1985	1984
MATURITY GROUP 1								
ASGROW/O'S GOLD RX788(SX)	29200	22.2	0.0	3.1	--	219.6*	190.7	--
NC+ 5990(SX)	27900	21.1	2.5	0.0	--	214.0*	198.4*	--
JACQUES EX.5124(SX)	25300	24.2	4.7	--	--	209.3*	--	--
MFA 6708(SX)##	25400	23.0	25.9	0.0	1.9	201.9*	194.0	176.9
SEEDTEC ST-7680(SX)	26300	22.1	0.0	--	--	201.7*	--	--
DEKALB T1100(SX)	25400	20.6	0.1	--	--	201.5*	--	--
MFA 3516(SX)	24000	20.2	1.1	--	--	200.5*	--	--
FUNK'S G-4513(SX)	26800	20.6	1.3	--	--	198.5*	--	--
MFA 5204(SX)	25200	21.2	0.0	0.0	--	194.5	193.7	--
SEEDTEC H-2601(SX)	27600	21.9	18.8	0.8	--	192.8	179.5	--
FUNK'S G-4522(SPX)##	23500	21.6	2.1	0.0	1.5	187.9	204.7*	180.6
CARGILL 937(SX)	26400	20.6	12.1	0.0	--	186.6	195.4	--
CARGILL 918(SX)	27300	21.8	10.2	--	--	186.0	--	--
MCCURDY 7277(SX)	25200	21.4	8.7	--	--	184.0	--	--
FUNK'S G-4500(SX)	24200	21.7	10.9	--	--	178.1	--	--
MATURITY GROUP 2								
TRIUMPH 1595(3X)	28400	21.0	2.0	0.5	--	223.5*	175.0	--
PRAIRIE STREAM SX202(SX)	25600	22.1	6.2	--	--	223.0*	--	--
DEKALB DK656(SX)	28500	20.9	5.0	1.3	0.0	220.8*	184.9	172.7
BO-JAC 602(SX)	29200	21.6	3.1	--	--	217.4*	--	--
AGRATECH GK 850(SX)	28300	22.2	3.0	--	--	214.7*	--	--
FUNK'S/R.A. RA-1502(SX)	25500	23.2	3.6	0.0	--	212.6*	188.8	--
LYNKS LX 4355(SX)	28200	21.8	8.5	0.1	1.4	210.1*	178.9	186.3*
COKER 8625(SX)	25300	21.0	0.0	8.9	--	209.4*	193.7	--
ASGROW/O'S GOLD 5291(SX)	26800	25.3	4.5	0.5	--	209.2*	214.5*	--
FUNK'S G-4635(SX)	28000	23.1	4.3	--	--	209.0*	--	--
BO-JAC 4733(SX)	26200	21.0	2.7	--	--	209.0*	--	--
TRIUMPH 1650 FG(SX)	25000	23.1	12.4	--	--	206.5*	--	--
SEEDTEC H-2638(SX)	27100	23.5	4.6	--	--	204.0*	--	--
GROAGRI GSC 2355(SX)	25500	24.1	10.0	6.3	1.0	203.5*	180.8	163.7
JACQUES 8350(SX)	25900	23.3	3.6	--	--	203.4*	--	--
COKER 19A(SPX)	24800	23.2	4.1	--	--	203.0*	--	--
PAG SX352(SX)	27100	21.2	8.6	1.9	0.5	202.3*	195.6	165.8
NC+ 6190(SX)	27900	21.4	16.5	0.0	1.4	202.0*	183.7	177.1
LYNKS LX 4488(SX)	28800	22.8	24.7	0.7	--	200.5*	202.9*	--
COKER 8601(SX)	28900	21.4	1.6	0.0	--	200.1*	198.7*	--
DEKALB DK636(SX)	23800	22.1	1.8	5.4	--	199.8*	205.9*	--
GROAGRI GSC 2333(SX)	26100	21.2	11.9	0.6	0.5	199.6*	187.0	186.9*
CARGILL 967(SX)##	20500	22.3	10.7	0.0	1.4	198.3*	219.8*	193.5*
ASGROW/O'S GOLD RX892(SX)	26400	24.0	11.4	0.0	--	197.3*	201.6*	--
GROAGRI GSC 2212(SX)	27800	22.0	13.5	0.4	1.2	196.8*	193.2	195.1*
GOLDEN ACRES T-E 6994(SX)	27300	21.7	13.0	--	--	195.8	--	--
SEEDTEC ST-7750(SX)	25500	22.5	1.8	--	--	195.7	--	--
AGRATECH GK 750(SX)	23700	20.7	1.8	--	--	195.0	--	--
FUNK'S G-4626(SX)	25000	21.8	0.5	--	--	191.5	--	--
GOLDEN ACRES T-E 6988(SX)	27200	21.9	18.7	--	--	191.0	--	--
EK PREMIUM 8805(SX)	22800	21.4	11.9	2.7	1.0	190.6	185.3	167.2
CARGILL 971(SX)	26600	23.6	13.4	0.8	--	190.4	165.6	--
CARGILL 126016(SX)	28900	21.9	18.9	--	--	188.3	--	--
FUNK'S/R.A. RA-1505(SPX)	23900	23.5	22.5	0.0	--	185.5	184.0	--
CARGILL 973(SX)	21300	22.7	3.8	0.0	--	185.2	204.2*	--
GROAGRI GSC 2216(SX)	21800	20.6	8.6	0.4	0.0	184.1	182.3	169.1
FUNK'S G-4673A(SPX)	26700	22.8	24.0	0.8	0.9	182.0	215.1*	182.7
GROAGRI 2340(SX)	28000	26.2	13.7	--	--	170.9	--	--
MATURITY GROUP 3								
LEADER SX717(SX)	28200	22.5	5.3	--	--	225.6**	--	--
GOLDEN ACRES T-E 6977(SX)	29100	24.4	7.2	--	--	216.3*	--	--
PIONEER 3377(SX)##	28800	21.5	4.1	0.4	0.4	214.5*	203.7*	195.5*
AGRIPRO 830(SX)	26300	22.4	8.6	--	--	213.1*	--	--
GARST 8344(SX)	25300	21.0	3.2	0.0	1.0	212.1*	182.0	162.4
PIONEER 3358(SX)##	27500	22.7	6.4	0.1	0.5	208.5*	205.1*	184.5*
COKER 3020(SX)	26500	22.2	3.4	--	--	207.3*	--	--
CARGILL 980(SX)	26800	23.0	5.1	0.0	1.9	206.5*	223.7*	170.2
PAG 125618(SX)	26200	24.2	7.9	--	--	204.9*	--	--
STAUFFER SEEDS S7759(SX)	26500	21.2	6.6	0.5	--	203.9*	199.2*	--
TRIUMPH TRX 5120(SX)	29000	22.3	0.9	--	--	202.2*	--	--
AGRIPRO HP771(SX)	27000	23.8	4.4	0.0	--	201.1*	199.5*	--
PAYMASTER 8967(SX)	24400	22.9	2.8	--	--	200.0*	--	--
DEKALB DK711(SX)	24600	23.3	28.0	--	--	197.7*	--	--
GARST 8185(SX)	28900	23.2	9.4	--	--	197.0*	--	--
GOLDEN ACRES T-E 6998(SX)	22700	24.2	3.5	--	1.5	195.8	--	157.6
PAYMASTER 7990(SX)	27200	23.1	14.3	3.2	1.1	191.2	215.0*	170.6
GARST 8315(SX)	28100	23.3	22.2	--	--	189.2	--	--
GARST 8345(SX)	24900	20.9	6.1	0.9	2.0	189.1	188.5	183.1*
PIONEER 3378(SX)	20000	20.2	2.4	0.5	0.0	188.9	225.4**	200.6*
AGRATECH GK 925(SX)	24300	24.9	1.8	--	--	187.2	--	--
PIONEER 3181(SX)	29200	24.1	12.3	--	--	184.7	--	--
EK PREMIUM 9920(SX)	16800	24.8	1.4	--	--	170.6	--	--

TABLE 11. CONTINUED.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1986	1986	1986	1985	1984	1986	1985	1984
MATURITY GROUP 4								
STAUFFER SEEDS S8645(SX)	28600	22.5	0.0	--	--	213.0*	--	--
PAYMASTER 8990(SX)	26300	22.7	11.3	0.0	--	211.1*	220.1*	--
PIONEER 3165(SX)	26800	26.4	4.8	--	--	209.8*	--	--
MCCURDY 8172(SX)	29200	25.9	12.6	--	--	200.7*	--	--
PIONEER 3183(SX)##	27100	23.4	9.8	0.4	0.5	199.0*	210.9*	187.6*
TRIAL AVERAGE	26201	22.4	7.8	1.4	1.3	200.2	191.2	122.5
L.S.D. AT .05	5007	1.8	17.2	1.8		29.7	27.4	22.7

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

-- DATA NOT AVAILABLE.

WIDELY-GROWN HYBRID.

WHITE HYBRIDS.

TABLE 12. PERFORMANCE OF IRRIGATED CORN HYBRIDS EVALUATED NEAR LAMAR ON THE SHERRELL BEAN FARM DURING 1985-86. PLANTED: 10 APRIL 1986. HARVESTED: 29 AUGUST 1986. PLANTED POPULATION: 29200.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD			
	(#/ACRE)	(%)	(%)	1986	1985	1984	1986	1985	1984
MATURITY GROUP 1									
MCCURDY 7277(SX)	26300	20.4	8.5	--	--	--	148.6*	--	--
DEKALB T1100(SX)	28400	20.5	2.3	--	--	--	144.5*	--	--
JACQUES EX.5124(SX)	27300	21.8	3.1	--	--	--	143.0*	--	--
FUNK'S G-4500(SX)	28700	21.4	20.0	--	--	--	139.7*	--	--
SEEDTEC H-2601(SX)	28700	21.2	6.9	--	--	--	138.4*	--	--
MFA 5204(SX)	26300	19.2	3.5	--	--	--	132.9*	--	--
MFA 6708(SX)##	25500	21.6	4.5	8.8	--	--	130.3*	191.5*	--
ASGROW/O'S GOLD RX788(SX)	27500	20.6	5.3	--	--	--	129.5*	--	--
MFA 3516(SX)	27500	21.5	3.0	--	--	--	129.0	--	--
NC+ 5990(SX)	28800	21.2	10.2	--	--	--	125.4	--	--
SEEDTEC ST-7680(SX)	27200	21.3	11.9	--	--	--	124.6	--	--
FUNK'S G-4513(SX)	28500	21.1	10.5	--	--	--	122.4	--	--
CARGILL 918(SX)	27600	21.0	4.2	--	--	--	113.8	--	--
FUNK'S G-4522(SPX)##	25300	21.1	14.9	2.7	--	--	107.2	184.6	--
CARGILL 937(SX)	27700	20.0	19.9	--	--	--	104.6	--	--
MATURITY GROUP 2									
SEEDTEC H-2638(SX)	29200	21.8	18.2	--	--	--	160.6**	--	--
COKER 8625(SX)	26400	21.5	7.0	3.0	--	--	159.9*	170.8	--
COKER 19A(SPX)	28200	21.5	7.2	6.9	--	--	154.7*	184.2	--
FUNK'S G-4626(SX)	29200	20.8	3.5	--	--	--	153.8*	--	--
COKER 8601(SX)	27900	20.7	1.4	--	--	--	153.1*	--	--
LYNKs LX 4488(SX)	29200	23.3	2.2	5.7	--	--	151.2*	209.8**	--
CARGILL 973(SX)	29200	22.6	1.1	1.2	--	--	149.2*	191.1*	--
GROAGRI GSC 2212(SX)	29200	20.8	3.3	4.0	--	--	148.2*	176.7	--
BO-JAC 602(SX)	29200	20.7	13.6	--	--	--	148.1*	--	--
JACQUES 8350(SX)	26100	23.1	4.0	--	--	--	147.8*	--	--
DEKALB DK636(SX)	25700	19.8	5.0	5.7	--	--	140.1*	189.3*	--
GOLDEN ACRES T-E 6994(SX)	27900	21.0	6.7	6.6	--	--	138.0*	180.5	--
FUNK'S/R.A. RA-1505(SPX)	23700	20.7	7.6	20.4	--	--	137.9*	182.2	--
GROAGRI GSC 2216(SX)	26000	20.7	17.1	4.6	--	--	136.5*	179.8	--
FUNK'S G-4635(SX)	24900	21.8	5.3	--	--	--	136.0*	--	--
ASGROW/O'S GOLD RX892(SX)	29000	22.9	3.6	3.1	--	--	135.0*	184.9	--
LYNKs LX 4355(SX)	25500	21.3	8.4	--	--	--	133.5*	--	--
SEEDTEC ST-7750(SX)	29200	21.2	13.8	--	--	--	131.6*	--	--
NC+ 6190(SX)	26200	21.0	10.2	--	--	--	131.5*	--	--
CARGILL 967(SX)##	27500	22.0	18.4	18.3	--	--	131.4*	195.1*	--
TRIUMPH 1595(SX)	29200	20.7	10.3	3.6	--	--	129.2*	197.0*	--
CARGILL 971(SX)	28900	21.4	13.2	7.9	--	--	128.2	198.6*	--
AGRATECH GK 750(SX)	26400	20.1	5.2	2.5	--	--	127.5	183.9	--
TRIUMPH 1650 FG(SX)	27000	19.4	14.6	--	--	--	127.2	--	--
EK PREMIUM 8805(SX)	26100	20.4	9.9	2.6	--	--	125.3	171.3	--
FUNK'S G-4673A(SPX)	27500	21.9	8.0	10.1	--	--	122.7	187.8*	--
ASGROW/O'S GOLD 5291(SX)	25500	21.1	21.0	--	--	--	121.2	--	--
AGRATECH GK 850(SX)	28600	21.5	22.5	1.9	--	--	121.1	178.4	--
BO-JAC 4733(SX)	25600	18.2	5.2	--	--	--	120.2	--	--
DEKALB DK656(SX)	26900	19.3	12.7	1.5	--	--	119.7	163.2	--
GOLDEN ACRES T-E 6988(SX)	26500	19.5	21.0	--	--	--	118.7	--	--
GROAGRI GSC 2333(SX)	27900	19.5	21.8	3.1	--	--	115.7	177.7	--
GROAGRI 2340(SX)	28600	23.3	15.8	--	--	--	115.2	--	--
CARGILL 126016(SX)	27400	20.5	41.1	--	--	--	112.3	--	--
PAG SX352(SX)	27000	20.7	20.8	2.6	--	--	109.2	176.4	--
PRAIRIE STREAM SX202(SX)	26800	18.1	28.6	--	--	--	108.9	--	--
GROAGRI GSC 2355(SX)	27200	21.4	15.1	18.2	--	--	108.4	204.5*	--
FUNK'S/R.A. RA-1502(SX)	28600	21.1	29.8	1.7	--	--	103.8	190.5*	--
MATURITY GROUP 3									
AGRIPRO 830(SX)	29200	21.7	2.8	--	--	--	142.5*	--	--
GARST 8344(SX)	28400	20.6	11.2	2.3	--	--	140.9*	178.4	--
STAUFFER SEEDS S7759(SX)	27800	20.6	19.1	4.7	--	--	140.7*	180.0	--
PIONEER 3358(SX)##	27300	20.7	17.7	0.4	--	--	140.0*	180.0	--
DEKALB DK711(SX)	28800	22.1	12.5	--	--	--	138.6*	--	--
GOLDEN ACRES T-E 6977(SX)	28000	22.1	5.5	--	--	--	134.7*	--	--
PAYMASTER 7990(SX)	27500	22.1	24.6	4.9	--	--	134.6*	196.7*	--
PAYMASTER 8967(SX)	28200	21.9	4.8	--	--	--	133.2*	--	--
PAG 125618(SX)	25700	21.8	6.0	--	--	--	126.2	--	--
GARST 8185(SX)	26500	21.6	5.5	--	--	--	125.9	--	--
GOLDEN ACRES T-E 6998(SX)	21100	24.1	5.3	4.9	--	--	125.7	202.2*	--
PIONEER 3378(SX)	23200	19.8	16.0	3.2	--	--	123.3	192.2*	--
LEADER SX717(SX)	27800	21.3	30.5	6.4	--	--	123.2	183.6	--
AGRATECH GK 925(SX)	24000	24.0	9.3	5.0	--	--	122.4	201.1*	--
PIONEER 3181(SX)	29200	20.9	12.1	--	--	--	117.3	--	--
AGRIPRO HP771(SX)	29200	21.6	9.8	2.3	--	--	112.9	193.4*	--
COKER 3020(SX)	24900	21.4	33.4	--	--	--	109.8	--	--
EK PREMIUM 9920(SX)	14500	23.1	5.2	7.0	--	--	108.8	198.6*	--
TRIUMPH TRX 5120(SX)	29000	22.0	10.8	--	--	--	108.0	--	--
GARST 8345(SX)	26700	20.7	19.9	3.8	--	--	101.4	185.9*	--
PIONEER 3377(SX)##	27900	18.9	41.6	17.1	--	--	100.8	185.4	--
CARGILL 980(SX)	27200	23.4	14.2	2.3	--	--	100.0	170.9	--
GARST 8315(SX)	25700	22.0	35.0	--	--	--	89.9	--	--

TABLE 12. CONTINUED.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1986	1986	1986	1985	1984	1986	1985	1984
Maturity Group 4								
STAUFFER SEEDS S8645(SX)	28500	22.0	3.4	--	--	130.6*	--	--
PIIONEER 3183(SX)##	29200	22.7	24.9	13.7	--	123.2	188.0*	--
PAYMASTER 8990(SX)	27200	23.4	10.9	4.5	--	120.3	187.3*	--
PIIONEER 3165(SX)	27500	23.4	20.3	2.6	--	112.1	181.2	--
MCCURDY 8172(SX)	29200	22.0	47.4	--	--	74.6	--	--
TRIAL AVERAGE	27190	21.2	13.1	5.6		127.2	184.2	
L.S.D. AT .05	4065	1.8	18.1	8.7		31.5	23.9	

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

-- DATA NOT AVAILABLE.

WIDELY-GROWN HYBRID.

WHITE HYBRID.

TABLE 13. PERFORMANCE RECORD OF IRRIGATED CORN HYBRIDS EVALUATED AT TWO LOCATIONS (COLUMBIA AND LAMAR) DURING 1986.
PLANTED POPULATION: 29200.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	COLUMBIA	LAMAR	SIKESTN	MEAN	COLUMBIA	LAMAR	SIKESTON	MEAN
MATURITY GROUP 1								
JACQUES EX.5124(SX)	4.7	3.1	--	3.9	209.3*	143.0*	--	176.1*
ASGROW/O'S GOLD RX788(SX)	0.0	5.3	--	2.6	219.6*	129.5*	--	174.5*
DEKALB T1100(SX)	0.1	2.3	--	1.2	201.5*	144.5*	--	173.0*
NC+ 5990(SX)	2.5	10.2	--	6.3	214.0*	125.4	--	169.7*
MCCURDY 7277(SX)	8.7	8.5	--	8.6	184.0	148.6*	--	166.3*
MFA 6708(SX)##	25.9	4.5	--	15.2	201.9*	130.3*	--	166.1*
SEEDTEC H-2601(SX)	18.8	6.9	--	12.8	192.8	138.4*	--	165.6*
MFA 3516(SX)	1.1	3.0	--	2.0	200.5*	129.0	--	164.7*
MFA 5204(SX)	0.0	3.5	--	1.7	194.5	132.9*	--	163.7*
SEEDTEC ST-7680(SX)	0.0	11.9	--	5.9	201.7*	124.6	--	163.1*
FUNK'S G-4513(SX)	1.3	10.5	--	5.9	198.5*	122.4	--	160.4
FUNK'S G-4500(SX)	10.9	20.0	--	15.4	178.1	139.7*	--	158.9
CARGILL 918(SX)	10.2	4.2	--	7.2	186.0	113.8	--	149.9
FUNK'S G-4522(SPX)##	2.1	14.9	--	8.5	187.9	107.2	--	147.5
CARGILL 937(SX)	12.1	19.9	--	16.0	186.6	104.6	--	145.6
MATURITY GROUP 2								
COKER 8625(SX)	0.0	7.0	--	3.5	209.4*	159.9*	--	184.6**
BO-JAC 602(SX)	3.1	13.6	--	8.3	217.4*	148.1*	--	182.7*
SEEDTEC H-2638(SX)	4.6	18.2	--	11.4	204.0*	160.6**	--	182.3*
COKER 19A(SPX)	4.1	7.2	--	5.6	203.0*	154.7*	--	178.8*
COKER 8601(SX)	1.6	1.4	--	1.5	200.1*	153.1*	--	176.6*
TRIUMPH 1595(SX)	2.0	10.3	--	6.1	223.5*	129.2*	--	176.3*
LYNKS LX 4488(SX)	24.7	2.2	--	13.4	200.5*	151.2*	--	175.8*
JACQUES 8350(SX)	3.6	4.0	--	3.8	203.4*	147.8*	--	175.6*
FUNK'S G-4626(SX)	0.5	3.5	--	2.0	191.5	153.8*	--	172.6*
GROAGRI GSC 2212(SX)	13.5	3.3	--	8.4	196.8*	148.2*	--	172.5*
FUNK'S G-4635(SX)	4.3	5.3	--	4.8	209.0*	136.0*	--	172.5*
LYNKS LX 4355(SX)	8.5	8.4	--	8.4	210.1*	133.5*	--	171.8*
DEKALB DK656(SX)	5.0	12.7	--	8.8	220.8*	119.7	--	170.2*
DEKALB DK636(SX)	1.8	5.0	--	3.4	199.8*	140.1*	--	169.9*
AGRATECH GK 850(SX)	3.0	22.5	--	12.7	214.7*	121.1	--	167.9*
CARGILL 973(SX)	3.8	1.1	--	2.4	185.2	149.2*	--	167.2*
GOLDEN ACRES T-E 6994(SX)	13.0	6.7	--	9.8	195.8	138.0*	--	166.9*
TRIUMPH 1650 FG(SX)	12.4	14.6	--	13.5	206.5*	127.2	--	166.8*
NC+ 6190(SX)	16.5	10.2	--	13.3	202.0*	131.5*	--	166.7*
ASGROW/O'S GOLD RX892(SX)	11.4	3.6	--	7.5	197.3*	135.0*	--	166.1*
PRAIRIE STREAM SX202(SX)	6.2	28.6	--	17.4	223.0*	108.9	--	165.9*
ASGROW/O'S GOLD 5291(SX)	4.5	21.0	--	12.7	209.2*	121.2	--	165.2*
CARGILL 967(SX)##	10.7	18.4	--	14.5	198.3*	131.4*	--	164.8*
BO-JAC 4733(SX)	2.7	5.2	--	3.9	209.0*	120.2	--	164.6*
SEEDTEC ST-7750(SX)	1.8	13.8	--	7.8	195.7	131.6*	--	163.6*
FUNK'S/R.A. RA-1505(SPX)	22.5	7.6	--	15.0	185.5	137.9*	--	161.7
AGRATECH GK 750(SX)	1.8	5.2	--	3.5	195.0	127.5	--	161.2
GROAGRI GSC 2216(SX)	8.6	17.1	--	12.8	184.1	136.5*	--	160.3
CARGILL 971(SX)	13.4	13.2	--	13.3	190.4	128.2	--	159.3
FUNK'S/R.A. RA-1502(SX)	3.6	29.8	--	16.7	212.6*	103.8	--	158.2
EK PREMIUM 8805(SX)	11.9	9.9	--	10.9	190.6	125.3	--	157.9
GROAGRI GSC 2333(SX)	11.9	21.8	--	16.8	199.6*	115.7	--	157.6
GROAGRI GSC 2355(SX)	10.0	15.1	--	12.5	203.5*	108.4	--	155.9
PAG SX352(SX)	8.6	20.8	--	14.7	202.3*	109.2	--	155.7
GOLDEN ACRES T-E 6988(SX)	18.7	21.0	--	19.8	191.0	118.7	--	154.8
FUNK'S G-4673A(SPX)	24.0	8.0	--	16.0	182.0	122.7	--	152.3
CARGILL 126016(SX)	18.9	41.1	--	30.0	188.3	112.3	--	150.3
GROAGRI 2340(SX)	13.7	15.8	--	14.7	170.9	115.2	--	143.0
MATURITY GROUP 3								
AGRIPRO 830(SX)	8.6	2.8	--	5.7	213.1*	142.5*	--	177.8*
GARST 8344(SX)	3.2	11.2	--	7.2	212.1*	140.9*	--	176.5*
GOLDEN ACRES T-E 6977(SX)	7.2	5.5	--	6.3	216.3*	134.7*	--	175.5*
LEADER SX717(SX)	5.3	30.5	--	17.9	225.6**	123.2	--	174.4*
PIONEER 3358(SX)##	6.4	17.7	--	12.0	208.5*	140.0*	--	174.2*
STAUFFER SEEDS 57759(SX)	6.6	19.1	--	12.8	203.9*	140.7*	--	172.3*
DEKALB DK711(SX)	28.0	12.5	--	20.2	197.7*	138.6*	--	168.1*
PAYMASTER 8967(SX)	2.8	4.8	--	3.8	200.0*	133.2*	--	166.6*
PAG 125618(SX)	7.9	6.0	--	6.9	204.9*	126.2	--	165.5*
PAYMASTER 7990(SX)	14.3	24.6	--	19.4	191.2	134.6*	--	162.9*
GARST 8185(SX)	9.4	5.5	--	7.4	197.0*	125.9	--	161.4
GOLDEN ACRES T-E 6998(SX)	3.5	5.3	--	4.4	195.8	125.7	--	160.7
COKER 3020(SX)	3.4	33.4	--	18.4	207.3*	109.8	--	158.5
PIONEER 3377(SX)##	4.1	41.6	--	22.8	214.5*	100.8	--	157.6
AGRIPRO HP771(SX)	4.4	9.8	--	7.1	201.1*	112.9	--	157.0
PIONEER 3378(SX)	2.4	16.0	--	9.2	188.9	123.3	--	156.1
TRIUMPH TRX 5120(SX)	0.9	10.8	--	5.8	202.2*	108.0	--	155.1
AGRATECH GK 925(SX)	1.8	9.3	--	5.5	187.2	122.4	--	154.8
CARGILL 980(SX)	5.1	14.2	--	9.6	206.5*	100.0	--	153.2
PIONEER 3181(SX)	12.3	12.1	--	12.2	184.7	117.3	--	151.0
GARST 8345(SX)	6.1	19.9	--	13.0	189.1	101.4	--	145.2
EK PREMIUM 9920(SX)	1.4	5.2	--	3.3	170.6	108.8	--	139.7
GARST 8315(SX)	22.2	35.0	--	28.6	189.2	89.9	--	139.5

TABLE 13. CONTINUED.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	COLUMBIA	LAMAR	SIKESTON	MEAN	COLUMBIA	LAMAR	SIKESTON	MEAN
MATURITY GROUP 4								
STAUFFER SEEDS S8645(SX)	0.0	3.4	--	1.7	213.0*	130.6*	--	171.8*
PAYMASTER 8990(SX)	11.3	10.9	--	11.1	211.1*	120.3	--	165.7*
PIONEER 3183(SX)##	9.8	24.9	--	17.3	199.0*	123.2	--	161.1
PIONEER 3165(SX)	4.8	20.3	--	12.5	209.8*	112.1	--	160.9
MCCURDY 8172(SX)	12.6	47.4	--	30.0	200.7*	74.6	--	137.6
TRIAL AVERAGE	7.8	13.1		10.4	200.2	127.2		163.7
L.S.D. AT .05	17.2	18.1		12.6	29.7	31.5		21.8

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

-- DATA NOT AVAILABLE.

WIDELY-GROWN HYBRID.

WHITE HYBRID.

TABLE 14. SOURCE OF COMMERCIAL SEED CORN ENTERED IN THE 1986 MISSOURI YIELD TRIALS.

BRAND	FIRM	ADDRESS
AGRIPRO	AGRIPRO, DIV. of N.A.P.B.	BOX 2995, MISSION, KS 66201
AMERICAN	AMERICAN HYBRIDS	BOX 86, QUINCY, MI 49082
AMERICANA	AMERICANA SEEDS, INC.	BOX 275, BOWEN, IL 62316
ASGROW/O'GOLD	ASGROW SEED COMPANY	7000 PORTAGE RD, KALAMAZOO, MI 49001
BIN BUSTER	HIDY SEED CO.	RT. 2, BOX 36, STEWARTSVILLE, MO 64490
BO-JAC	BO-JAC HYBRID CORN COMPANY	RT. 2, MT. PULASKI, IL 62548
BURRUS	BURRUS BROS. & ASSOC. GROWERS	RT. 1, BOX 22, ARENZVILLE, IL 62611
CARGILL	CARGILL SEEDS	BOX 9300, MINNEAPOLIS, MN 55440
CFS	CUSTOM FARM SEED	BOX 160, MOMENCE, IL 60954
COOP	COOPERATIVE SEED INC.	RT. 2, ALTA, IA 51002
COKER	ROHM AND HAAS SEEDS INC.	BOX 507, LEBANON, IN 46052
COKER	ROHM AND HAAS SEEDS INC.	BOX 2629, WEST MEMPHIS, AR 72301
CROW'S	CROW'S HYBRID CORN COMPANY	BOX 306, MILFORD, IL 60953
DEKALB-PFIZER	DEKALB-PFIZER GENETICS	3100 SYCAMORE ROAD, DEKALB, IL 60115
DOCKENDORFF	DOCKENDORFF HYBRIDS, INC.	RT. 2, BOX 125, DANVILLE, IA 52623
EK PREMIUM	EK PREMIUM SEED COMPANY	RT. 1, BERWICK, IL 61417
FEDERAL	FEDERAL HYBRIDS	5420 35TH AVE., MARION, IA 52302
FONTANELLE	FONTANELLE HYBRIDS	RT. 1, NICKERSON, NE 68044
FUNK'S	FUNK SEEDS INTERNATIONAL	BOX 2911, BLOOMINGTON, IL 61701
GARST	GARST SEED COMPANY	BOX 300, COON RAPIDS, IA 50058
GOLDEN ACRES/T-E	TAYLOR-EVANS SEED COMPANY	BOX 68, TULIA, TX 79088
GOLDEN HARVEST	COLUMBIANA SEED COMPANY	ELDRED, IL 62027
GOLD KIST	AGRATECH SEEDS, INC.	BOX 644, ASHBURN, GA 31714
GSC	GROAGRI SEED COMPANY	BOX 1656, 6201 SE LOOP 289, LUBBOCK, TX 79408
HOEGEMEYER	HOEGEMEYER HYBRIDS	RT 2, HOOPER, NE 68031
JACQUES	JACQUES SEED COMPANY	720 SAINT CROIX STREET, PRESCOTT, WI 54021
KALTENBERG	KALTENBERG SEED FARMS, INC.	RT. 2, 5506 HWY 19, WAUNAKEE, WI 53597
LEADER	LEADER SEEDS, INC.	7160 S.R.118, CELINA, OH 45822
LEWIS	LEWIS HYBRIDS, INC.	BOX 38, WEST MAPLE STREET, URSA, IL 62376
LYNKs	LYNKs SEEDS	BOX 637, MARSHALLTOWN, IA 50158
McALLISTER	McALLISTER SEED COMPANY, INC.	BOX 28, MT. PLEASANT, IA 52641
McCURDY	McCURDY SEED COMPANY	BOX 66, EAST MAIN STREET, FREMONT, IA 52561
MFA	MFA	RT. 1, BOX 160, WESTON, MO 64098
MOEWS	MOEWS SEED COMPANY	BOX 214, GRANVILLE, IL 61326
NC+	NC+ HYBRIDS	3820 N. 56TH, BOX 4408, LINCOLN, NE 68504
NK	NORTHRUP KING COMPANY	3403 HOOVER, AMES, IA 50010
PAG	PAG SEEDS	BOX 9480, MINNEAPOLIS, MN 55440
PAYCO	PAYCO SEEDS	BOX 70, DASSEL, MN 55325
PAYMASTER	PAYMASTER SEEDS	BOX 9393, MINNEAPOLIS, MN 55440
PIONEER	PIONEER HI-BRED INT., C. DIV.	7000 PIONEER PKWY, BOX 85, JOHNSTON, IA 50131
PIONEER	PIONEER HI-BRED INT., E. DIV.	1000 WEST JEFFERSON ST., TIPTON, IN 46072
POCKLINGTON	POCKLINGTON SEED COMPANY	RT. 2, GIRARD, IL 62626
PRAIRIE STREAM	PRAIRIE STREAM HYBRIDS	RT. 3, BOX 333, FRANKFORT, IN 46041
PRIZE	HARTZLERS SEED COMPANY	RT. 1, BOX 458, HARRISONVILLE, MO 64701
RANDELL	RANDELL SEED COMPANY	714 1ST AVE. E., OSKALOOSA, IA 52577
S-BRAND	SCHENCHINGER SEED COMPANY	RT. 1, HARLAN, IA 51537
SEEDTEC	SEEDTEC INTERNATIONAL	RT. 108, WEST, ELDRED, IL 62027
SHISSLER GR8	SHISSLER SEED COMPANY	RT. 3, ELMWOOD, IL 61529
STAUFFER	STAUFFER SEEDS, INC.	BOX 377, LONE TREE, IA 52755
SUCROSCO	SUPER CROSS HYBRIDS, INC.	MAIN ST., MANILLA, IA 51454
SUN PRAIRIE	CHAMPAIGN COUNTY SEED CO.	RT. 2, BOX 2, ST. JOSEPH, IL 61873
SUPERCROST	EDWARD J. FUNK & SONS, INC.	BOX 67, KENTLAND, IN 47951
TRIUMPH	TRIUMPH SEED COMPANY	BOX 1050, RALLS, TX 79357
WILSON	WILSON HYBRIDS, INC.	BOX 391, HARLAN, IA 51537
ZIMMERMAN	ZIMMERMAN HYBRIDS, INC.	5147 W. FRANKLIN RD., EVANSVILLE IN 47712