

Corn

1984 Missouri Crop Performance



Special Report 316

November, 1984

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The authors recognize and express their appreciation to the following individuals for their part in making the 1984 corn performance trials possible: Seymour Brothers, Fairfax; Larkin Langford, Superintendent, North Missouri Center, Spickard; Randall Smoot, Foreman, Greenley Memorial Center, Novelty; Frank Swisher, Marshall; John Poehlmann, Superintendent, Agronomy Research Center, Columbia; Richard Schipper, O'Fallon; Jerry Lorberg, Cape Girardeau; and Joe Scott, Superintendent, Delta Center, Portageville.

MISSOURI CROP PERFORMANCE

1984

CORN

This report is a contribution of the Department of Agronomy, University of Missouri Agricultural Experiment Station, which reports on Research Project 363. The work was supported in part by funds from the Missouri Seed Improvement Association and fees from the companies submitting hybrids for evaluation

The University of Missouri's hybrid performance testing program was started in the mid-1930's, 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 over 200 today.

The large number of commercial hybrids available makes selection of a superior hybrid difficult. To select intelligently, a reliable, unbiased, up-to-date source of information which will permit valid comparisons among available hybrids is needed. 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 is often the result of soil disuniformity, 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 in the analysis of trials reported here 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, results from more than one location or year should be considered. In this publication, an effort has been made to facilitate comparisons across years and locations.

In each trial, the "top yielding" hybrids have been identified. These hybrids are those which 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 which 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 which 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, the data presented on final stand and lodging should also be considered when selecting a hybrid.

The Missouri Agricultural Experiment Station does not make specific recommendations for hybrids. It is suggested that the farmers growing a new hybrid for the first time 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 evaluations are located in the northern, central, and southeastern sections of the state. Locations of the sites are shown in Figure 1.

Entries. All producers of hybrid seed were eligible to enter hybrids in the 1984 evaluation plots. Participation was voluntary and no control was exercised by the program over which, or how many, hybrids were entered. However, to help finance the evaluation program, a fee of sixty dollars per location was charged for each hybrid entered by the seed producer. In addition to the fee entries, a broader-based program was continued in which certain widely-grown hybrids were included on a no-fee basis. Identification of these widely-grown hybrids was through a telephone survey of hybrids marketed by seed producers in Missouri. A total of 235 corn hybrids were tested in 1984.

Field Plot Design. All tests were arranged in lattice field plot designs with three replications. Plots were four rows wide but only the center two rows were harvested to determine yield. Spacing between the rows was 30 inches in all locations, except in southeastern Missouri near Cape Girardeau, where a row spacing of 38 inches was used.

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 that varied from location to location are specified in Table 1, page 6.

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.



FIGURE 1. TEST SITE LOCATIONS

- DRYLAND LOCATIONS
- ⊙ IRRIGATED LOCATIONS
- X DRYLAND AND IRRIGATED LOCATION

TABLE 1. MANAGEMENT AND CULTURAL PRACTICES OF THE 1984 HYBRID CORN EVALUATION PROGRAM.

LOCATION (COUNTY)	COOPERATOR	N-P2O5-K2O	HERBICIDE		INSECTICIDE	ROW SPACING (IN)	DENSITY (PLANTS/A)	DATE OF PLANTING	DATE OF HARVEST
			PRE	POST					
FAIRFAX (ATCHISON)	SEYMOUR BROTHERS	160-20-0	DUAL + ATRAZINE	NONE	LORSBAN	30	23,000	5-10-84	10-3-84
SPICKARD (GRUNDY)	LARKIN LANGFORD	120-210-315	DUAL + BLADEX	NONE	LORSBAN	30	23,000	5-11-84	9-25-84
NOVELTY (KNOX)	RANDALL SMOOT	160-60-120	LASSO + BLADEX	NONE	LORSBAN	30	23,000	5-18-84	9-28-84
MARSHALL (SALINE)	FRANK SWISHER	150-75-75	DUAL + ATRAZINE	NONE	LORSBAN	30	23,000	5-11-84	9-27-84
COLUMBIA (BOONE)	JOHN POEHLMANN	240-150-0	LASSO + BLADEX	NONE	LORSBAN	30	23,000	5-02-84	9-20-84
O'FALLON (ST. CHARLES)	RICHARD SCHIPPER	205-70-180	DUAL + BLADEX	NONE	LORSBAN	30	23,000	5-04-84	10-6-84
CAPE GIRARDEAU (CAPE GIRARDEAU)	JERRY LORBERG	149-00-00	LASSO + ATRAZINE	NONE	LORSBAN	38	23,100	4-26-84	10-1-84
COLUMBIA (BOONE)	JOHN POEHLMANN	310-80-160	LASSO + BLADEX	NONE	LORSBAN	30	29,300	5-01-84	9-21-84
FORTAGEVILLE (PEMISCOT)	JOE SCOTT	210-30-60	LASSO + ATRAZINE	NONE	LORSBAN	30	29,300	5-21-84	10-1-84 10-2-84

1 INCLUDES EXPERIMENT STATION MANAGERS.

2 IRRIGATED TRIAL

TABLE 2. RAINFALL AND TEMPERATURE DURING 1984.

LOCATION	MONTH	RAINFALL			TEMPERATURE		
		INCHES	DEPART. FROM NORMAL	RAINY DAYS	°F	DEPART. FROM NORMAL	90° OR ABOVE
FAIRFAX *	MAY	3.4	-1.0	6	57.5	-4.6	0
	JUNE	10.8	6.1	9	73.0	1.8	4
	JULY	3.5	-1.5	7	74.5	-1.4	13
	AUGUST	0.6	-3.6	2	74.5	1.0	16
SPICKARD *	MAY	5.9	1.7	6	58.5	-5.5	0
	JUNE	9.3	5.5	8	72.4	-0.4	3
	JULY	1.8	-2.3	5	74.0	-4.6	12
	AUGUST	0.5	-3.6	2	77.0	-3.5	22
NOVELTY *	MAY	5.7	1.5	8	57.7	-5.0	0
	JUNE	9.3	5.4	8	71.7	0.2	0
	JULY	1.6	-2.4	7	72.5	-2.7	6
	AUGUST	0.1	-3.7	1	76.0	2.0	13
MARSHALL *	MAY	3.9	-0.7	8	61.8	-3.2	0
	JUNE	5.5	1.1	7	75.9	2.2	8
	JULY	2.9	-1.4	5	76.5	1.7	17
	AUGUST	0.3	-4.0	1	78.0	2.4	26
COLUMBIA	MAY	3.5	-1.0	8	60.8	-3.3	0
	JUNE	6.9	3.1	9	74.4	1.5	3
	JULY	1.7	-1.8	1	75.5	-2.3	14
	AUGUST	1.1	-1.8	2	77.0	1.0	19
O' FALLON *	MAY	3.9	-0.3	6	61.6	-4.6	0
	JUNE	1.5	-2.5	3	76.5	1.5	9
	JULY	2.2	-1.9	6	74.5	-3.9	13
	AUGUST	1.8	—	4	76.0	—	16
CAPE GIRARD. *	MAY	4.2	-0.7	8	63.0	-4.2	1
	JUNE	1.6	-2.3	3	77.0	1.8	17
	JULY	4.2	0.2	6	75.5	-3.8	18
	AUGUST	2.2	-1.6	4	75.0	-2.9	18
PORTAGEVILLE	MAY	—	—	—	—	—	—
	JUNE	3.5	-0.2	5	79.0	1.7	16
	JULY	1.3	-2.1	6	77.5	-3.2	15
	AUGUST	2.5	-0.3	4	76.5	-2.5	5

— DATA NOT AVAILABLE.

* FAIRFAX (MARYVILLE DATA), SPICKARD (TRENTON DATA), NOVELTY (KIRKSVILLE DATA), MARSHALL (CARROLLTON DATA), O' FALLON (ST. CHARLES DATA), AND CAPE GIRARDEAU (JACKSON DATA).

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 seven regular and two irrigated studies in 1984 (Figure 1, Page 5). In one of the regular tests (O'Fallon), some irrigation was applied by the cooperator. Management was as uniform as possible across locations. Details are presented in Table 1, Page 6.

Average yields and ranges observed at each location are summarized below. Rainfall was below normal throughout most of the season (Table 2, Page 7), so the response to supplemental water in irrigated tests was excellent.

Table 3. 1984 Hybrid Corn Yield Summary

Location	Number of Entries	Irrigated	Yield (Bushels/Acre)		Data Table
			Range	Average	
Fairfax	168	no	87-157	132	4
Spickard	168	no	34-77	55	5
Novelty	168	no	23-72	51	6
Marshall	119	no	106-187	148	8
Columbia	119	no	48-98	78	9
O'Fallon	119	yes	115-186	155	10
Cape Girardeau	89	no	96-164	133	12
Columbia	80	yes	122-206	173	13
Portageville	80	yes	139-241	193	15

The ranges shown give the values for the lowest and highest yielding corn hybrids in each test. This value gives an indication of 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 which combine high yield potential with other agronomic characteristics appropriate to specific farming situations.

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 were provided on the University entry form as guide lines for companies to use in classifying their hybrids.

- Group 1 - (90-110 days or ¹2600 GDD);
- Group 2 - (110-120 days or 2600-2699 GDD);¹
- Group 3 - (120-130 days or 2700-2799 GDD);¹
- Group 4 - (130-140 days or >sup>1</sup>2800 GDD).

Lodging data are provided for each location. Lodging was a problem in some of the tests, especially Marshall, and was caused mostly by drought and wind. Hybrids which consistently show above average lodging should be avoided.

One trial, Portageville irrigated, was replanted because of low plant populations. This poor stand was a result of the cold, wet, spring.

The trial at O'Fallon received irrigation supplemental to normal rainfall and, therefore, produced yields which would only be expected in years of favorable rainfall.

Figure 2. Precipitation pattern and irrigation schedule for 1984.

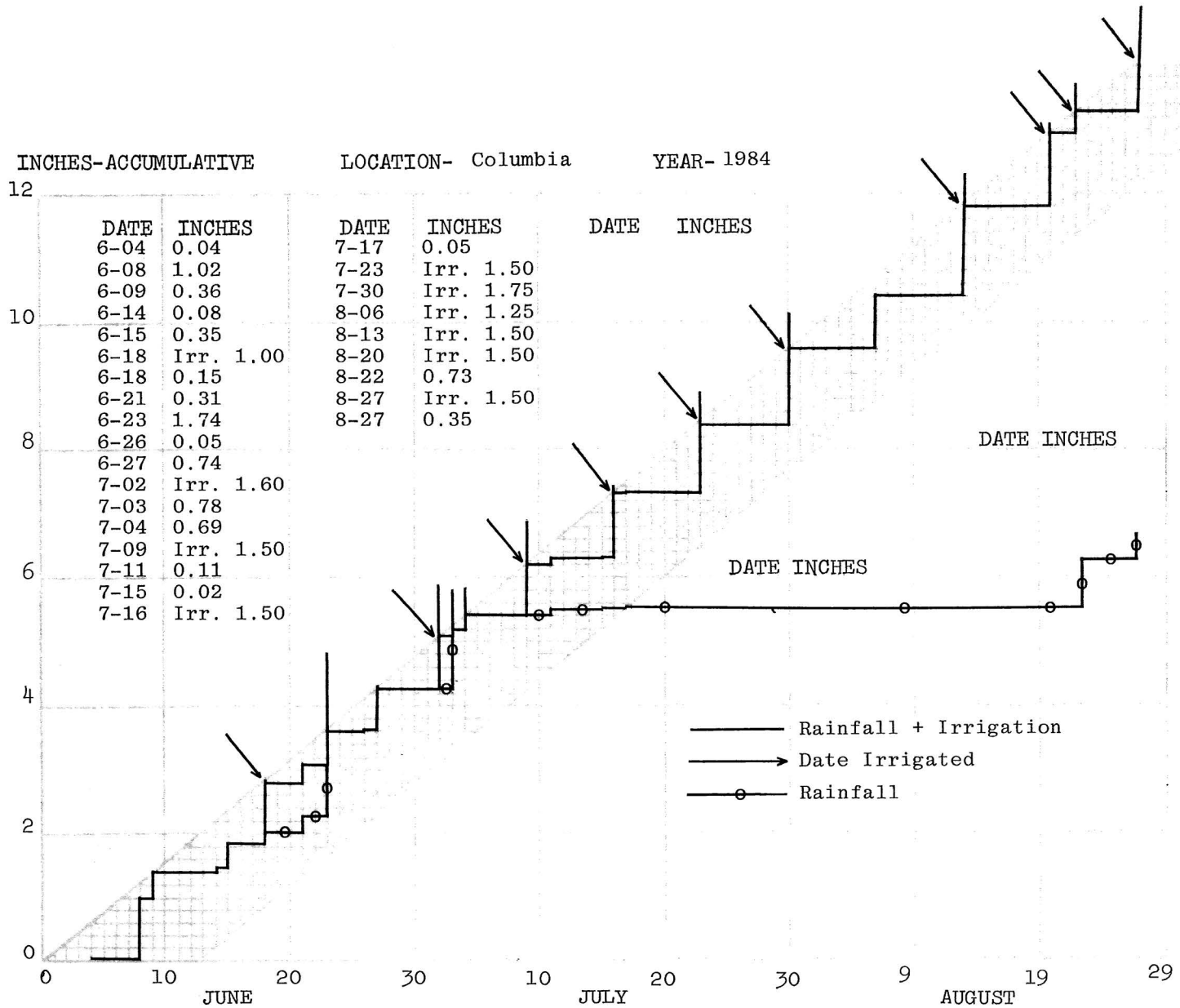


Figure 3. Precipitation pattern and irrigation schedule for 1984.

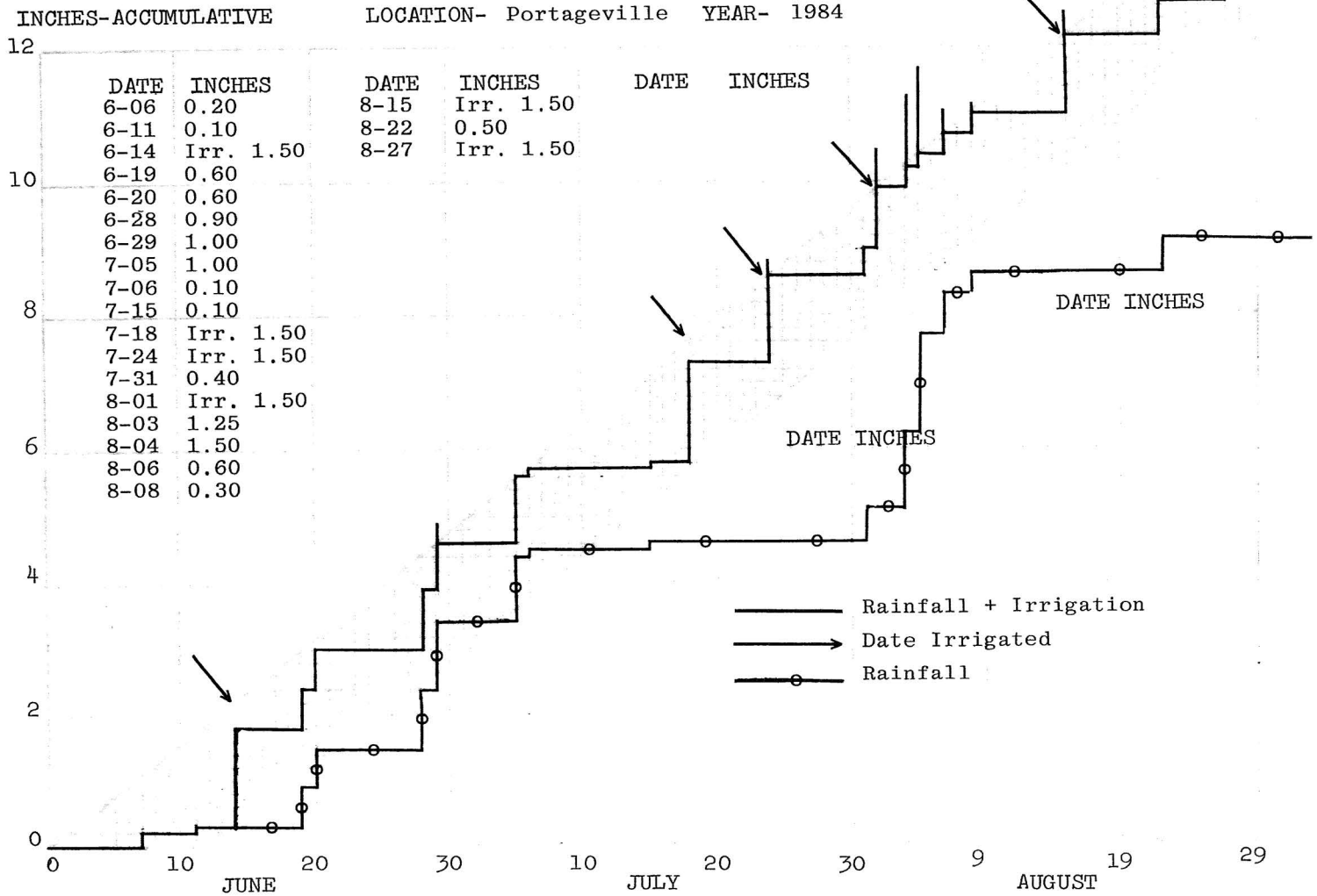


TABLE 4. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR FAIRFAX ON THE SEYMOUR BROTHERS FARM IN 1982-84. PLANTED: 10 MAY 1984. HARVESTED: 3 OCTOBER 1984. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS		LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1984	1984	1984	1983	1982	1984	1982	
MATURITY GROUP 1								
SUPER CROST 5452(SX)	22700	16.0	3.2	--	0.7	147.6*	--	127.2
FUNK'S G-4507(SX)	23000	16.7	2.0	6.0	1.4	147.0*	58.5	151.7
JACQUES 7900(SX)	21400	17.7	1.1	7.2	--	146.3*	72.3	--
O'S GOLD 2570(SX)	22100	17.6	2.1	9.5	1.4	140.8*	86.1*	159.7
RING AROUND RA 1404(SX)	21400	14.9	0.5	1.3	0.6	139.9*	71.2	123.6
CARGILL 921(SX)	23000	14.2	3.5	5.5	0.0	139.6*	75.9	159.3
CUSTOM FARM SEED 7000(SX)	22900	18.8	1.0	9.2	--	138.8*	83.4*	--
SUPER CROST 5438(SX)	21900	17.0	4.3	15.6	0.5	137.8	77.0	133.3
FUNK'S 4029X(SX)	22500	15.7	0.0	--	--	136.6	--	--
JACQUES 8100(SX)	21500	18.0	0.0	--	--	134.9	--	--
FUNK'S G-4578(3X)	23100	16.6	4.6	7.5	1.3	134.4	67.4	152.6
AMERICANA 3300(SX)	21600	18.4	2.7	8.5	--	133.4	79.9	--
CUSTOM FARM SEED W6420(SX)	21100	14.6	1.1	25.8	--	133.0	73.2	--
MCALLISTER SX8310(SX)	21400	16.1	0.5	--	--	132.6	--	--
GOLDEN HARVEST H-2500(SX)##	22000	16.4	4.2	12.2	0.0	131.8	63.4	146.4
DEKALB-PFIZER T1100(SX)	22700	14.6	2.1	7.2	0.0	131.6	66.0	138.2
HAPPEL 8338(SX)	22700	15.0	1.0	4.2	1.2	131.4	74.7	114.7
CARGILL 937(SX)	22200	15.6	4.8	--	--	131.1	--	--
MCCURDY 7384(SX)	20500	17.4	1.8	8.0	0.0	129.9	68.8	167.3*
SHISSLER GR8 176(SX)	21600	14.7	1.7	--	--	129.6	--	--
NORTHTRUP KING PX 9527(SX)	21100	15.1	5.3	8.9	1.4	129.4	72.3	117.7
AMERICANA 4100(SX)	20900	15.7	0.0	2.2	0.6	129.3	56.5	140.1
FUNK'S G-4522(MSX)##	21600	17.3	4.9	10.0	0.0	127.0	74.9	150.4
CUSTOM FARM SEED 5801(SX)	21600	14.5	0.0	--	--	125.4	--	--
CUSTOM FARM SEED EW95013(SX)	22700	15.0	2.0	--	--	124.7	--	--
O'S GOLD 2545(SX)	20300	18.5	1.7	--	--	123.6	--	--
MOEHS SM 3620(SX)	22500	14.7	0.5	3.7	--	123.2	65.5	--
PAG SX 329(MSX)	21700	15.0	0.5	21.8	--	121.0	74.3	--
AMERICANA 3100(SX)	20600	14.9	0.0	3.5	0.0	120.8	71.0	140.7
FUNK'S G-4514(SX)	22900	16.3	7.4	9.2	--	117.7	59.5	--
MFA 5204(SX)	20900	15.0	1.1	--	--	114.8	--	--
MATURITY GROUP 2								
LYNNVILLE RS-23A(SX)	22600	18.0	1.6	5.4	--	157.3**	84.3*	--
BO-JAC 562(SX)	22800	18.6	0.5	11.2	2.0	155.2*	72.9	171.0*
BURRUS BX 26(SX)	21500	16.9	0.5	4.3	--	154.2*	84.5*	--
AMERICANA 4730(SX)	21400	18.5	0.0	10.9	0.5	152.3*	80.0*	174.5**
SUPER CROST 7600(SX)	21400	18.8	2.9	12.1	0.6	151.7*	64.0	153.3
GROAGRI GSC 2355(SX)	23000	17.9	1.4	--	--	151.5*	--	--
EK PREMIUM EK 8805(SX)	22200	17.8	1.0	--	--	151.0*	--	--
LYNKS LX 4500(SX)	20500	20.1	0.0	3.7	1.3	149.1*	78.2	160.3
STAUFFER 57759(SX)	22000	17.4	0.5	4.2	0.0	147.2*	75.3	148.7
S-BRAND SS-61(SPX)	21700	16.2	1.6	--	--	145.5*	--	--
HORIZON 718(SX)	19400	17.9	3.1	--	--	145.3*	--	--
DOCKENDROFF 7670(SX)	19700	17.2	0.6	--	--	144.6*	--	--
S-BRAND SS-63(SX)	21100	17.3	1.7	--	--	144.0*	--	--
PRIZE 2020(SX)	20600	19.6	1.7	--	--	143.6*	--	--
MCALLISTER SX7300B(SX)	20900	18.2	1.2	--	--	143.6*	--	--
LYNNVILLE RS-2240(SX)	21700	20.8	0.0	8.6	--	143.3*	76.3	--
NORTHTRUP KING PX 9581(SX)	21600	19.1	0.5	7.7	2.2	143.2*	68.6	160.7
KITCHEN KSC 513(SX)	20600	17.9	1.2	7.2	0.7	142.1*	73.9	135.7
STAUFFER 57767(SX)	21700	16.6	1.6	--	1.1	141.9*	--	115.6
NC+ 8331(SX)	21000	18.8	1.1	6.3	1.4	141.8*	74.4	167.4*
LYNKS LX 4355(SX)	22200	17.8	0.5	1.2	0.0	140.5*	68.2	134.6
WILSON 1700(SX)	21700	17.0	1.1	7.0	--	140.4*	61.5	--
FUNK'S G-4673A(MSX)	22100	18.3	2.1	7.2	6.2	140.4*	56.4	154.4
SHISSLER GR8 194(SX)	22000	20.0	1.1	--	--	140.3*	--	--
DEKALB-PFIZER DK656(SX)	22200	18.0	1.0	3.1	--	140.2*	71.4	--
MCCURDY 7676(SX)	21600	16.9	3.8	9.9	0.0	140.1*	92.5*	171.7*
S-BRAND SS-64B(SPX)	21700	18.0	2.2	--	--	139.8*	--	--
PIONEER 3475(SX)	20800	14.5	0.0	--	--	139.8*	--	--
FONTELLE 6257(SX)	22100	18.4	1.0	--	--	139.8*	--	--
WAC 918(SX)	21500	18.5	1.1	--	--	139.4*	--	--
DEKALB-PFIZER XL-73(SX)	22100	18.2	0.5	6.5	1.3	139.2*	57.1	161.5
BO-JAC 601(SX)	20000	16.7	1.2	4.1	--	138.8*	69.1	--
DEKALB-PFIZER XL-72AA(SX)##	21400	16.8	0.5	8.7	3.7	138.6*	58.0	140.1
KITCHEN KSC 516(SX)	22000	19.8	0.5	9.1	0.6	138.5	71.7	142.9
WAC 915(SX)	22200	18.7	3.8	--	--	138.4	--	--
DEKALB-PFIZER EXP464(SX)	19800	16.8	0.0	--	--	138.2	--	--
GROAGRI GSC 2212(SX)	20600	18.2	1.1	--	--	138.2	--	--
GROAGRI GSC 2333(SX)	21400	17.3	0.5	--	--	137.8	--	--
CARGILL 955(SX)	22500	15.8	1.5	3.1	--	137.5	59.6	--
LYNNVILLE RS-2280(SX)	19300	18.1	0.0	--	--	136.9	--	--
HORIZON 861(SX)	21600	16.6	2.7	--	--	136.8	--	--
RING AROUND RAX 3515(SX)	20500	17.1	1.1	--	--	136.4	--	--
FONTELLE 5230(SX)	17500	17.3	2.0	--	--	136.0	--	--
PAG SX 354(SX)	20600	18.7	1.2	8.1	--	135.8	61.3	--
SHISSLER GR8 196(SX)	21600	18.8	1.1	--	--	135.5	--	--
MFA 6707(SX)	22300	17.0	4.7	15.5	1.7	135.6	82.1*	172.4*
EK PREMIUM EK 8896(SX)	20600	19.2	0.5	--	--	135.5	--	--
PAYMASTER 8201(SX)##	21900	16.9	2.1	6.7	0.7	135.5	71.1	152.3
LEWIS X62BB(SX)	21000	19.3	1.1	5.4	--	135.4	81.7*	--
O'S GOLD 5291(SX)	22600	19.8	1.6	9.3	0.6	135.3	62.4	155.1
HAPPEL MS-80(SX)	21200	17.0	1.6	7.4	0.5	135.2	61.0	144.3
RANDELL 7120(SX)	21600	19.0	3.1	--	--	135.2	--	--
LEWIS 5910(SX)	21100	16.9	0.5	--	--	135.2	--	--
JACQUES 8400(SX)	23000	17.5	3.0	7.0	--	135.0	64.6	--
NC+ 6190(SX)	21600	17.3	2.7	7.0	1.2	135.0	75.9	153.4
PAG SX 352(SX)	22200	17.6	2.1	--	--	134.7	--	--
RING AROUND RA 1502(SX)	22800	18.7	1.0	6.5	0.0	134.0	63.0	140.2
BURRUS BX 34(SX)	21900	20.7	1.6	--	--	133.4	--	--
BURRUS BX 28(SX)	19900	15.5	1.2	--	--	133.0	--	--

TABLE 4. CONTINUED.

BRAND-HYBRID	PLANTS (#/ACRE)		MOIST (%)		LODGING (%)			YIELD (BU/ACRE)	
	1984	1984	1984	1984	1983	1982	1984	1983	1982
POCKLINGTON P-6392(3X)	23000	16.6	1.5	--	--	--	132.5	--	--
AMERICANA C479(SX)	18300	17.5	2.0	--	--	--	132.2	--	--
WILSON EXP.305(SX)	18500	17.1	0.6	--	--	--	132.2	--	--
PAG SX 351(SX)	22200	16.3	5.3	4.1	0.6	--	132.2	51.1	159.4
RING AROUND RA 1505(SPX)	22000	17.6	2.2	--	--	--	132.0	--	--
DEKALB-PFIZER DK727(SX)	23100	17.9	2.1	10.4	1.9	--	130.9	87.8*	168.4*
GROAGRI GSC 2216(SX)	19900	18.5	1.8	--	--	--	130.7	--	--
LEWIS X59B(SX)	20400	17.8	0.5	6.0	1.9	--	129.4	78.0	149.6
RANDELL 7115(SX)	21100	17.0	0.6	--	--	--	129.3	--	--
LYNHVILLE RS-2022(SX)	18500	16.5	1.4	--	--	--	128.8	--	--
CROW'S 690(SX)	19800	18.4	1.1	--	--	--	128.5	--	--
STURDY GROW 805A(SX)	20900	18.8	2.8	--	--	--	128.3	--	--
AMERICANA 4640(SX)	23000	19.2	1.5	9.5	0.0	--	128.2	74.5	157.8
PRIZE EXP.207(SX)	19600	15.6	0.0	--	--	--	127.9	--	--
NC+ 5990(SX)	22100	17.5	2.2	--	--	--	127.8	--	--
WILSON 1800B(SX)	22700	17.3	2.2	--	0.8	--	127.6	--	133.3
LEWIS X94B(SX)	20400	20.5	0.7	--	--	--	127.5	--	--
GOLDEN HARVEST H-2680(SX)	22800	18.6	3.7	7.5	1.2	--	127.4	61.5	167.1*
TRIUMPH 1580(SX)	20600	17.9	0.0	--	--	--	127.0	--	--
PAYMASTER 6990(SX)	21900	15.6	1.1	--	1.2	--	126.9	--	139.6
LEWIS X74B(SX)	20900	20.0	0.0	6.9	0.5	--	126.5	69.6	170.0*
LEWIS 6140(SX)	21100	15.9	2.3	--	--	--	126.1	--	--
ASGROW RX777(SX)	20600	17.6	1.7	21.4	1.4	--	125.8	73.7	158.5
EK PREMIUM EK 7796(SX)	21900	16.6	1.0	--	--	--	125.7	--	--
WILSON EXP.321(SX)	20800	16.8	1.1	--	--	--	125.6	--	--
DEKALB-PFIZER 6261(SX)	22000	15.3	1.6	5.2	0.5	--	125.0	64.8	147.0
HAPPEL 8366(SX)	22700	17.8	2.6	--	--	--	124.4	--	--
DOCKENDROFF 7378(SX)	22500	14.0	1.0	--	--	--	123.9	--	--
STURDY GROW 827A(SX)	22500	20.5	3.7	--	--	--	123.9	--	--
POCKLINGTON P-321(SX)	21200	15.8	1.1	--	--	--	123.7	--	--
GOLDEN HARVEST H-2695(3X)	22000	18.3	5.3	9.2	5.4	--	123.7	68.0	170.7*
POCKLINGTON P-601A(SX)	22500	17.0	1.0	--	--	--	123.6	--	--
FUNK'S G-4669(SX)	21200	18.7	4.0	--	--	--	123.0	--	--
SUPER CROST 6340(SX)	22900	18.9	1.5	--	--	--	122.6	--	--
DEKALB-PFIZER EXP369(SX)	21200	17.2	4.6	--	--	--	122.4	--	--
CARGILL 967(SX)##	21200	16.4	2.8	2.4	3.1	--	122.0	51.9	158.9
STURDY GROW 829A(SX)	22000	18.5	0.5	--	--	--	122.0	--	--
BO-JAC 6071(SX)	22700	16.1	1.6	--	--	--	121.7	--	--
POCKLINGTON PH-71(SX)	19700	18.1	0.6	--	--	--	119.6	--	--
KITCHEN KSC 518(SX)	22200	18.2	2.1	4.6	--	--	119.6	60.4	--
MFA 6708(SPX)##	20900	16.2	6.1	17.5	1.1	--	119.1	65.1	184.9*
MFA 6709(SX)	19100	18.2	2.5	--	--	--	117.4	--	--
RING AROUND RA 1511(SX)	18300	17.9	1.9	--	--	--	117.1	--	--
PAYMASTER 7190(SX)	22600	15.7	2.1	11.5	--	--	115.2	84.9*	--
AGRIPRO HP555(SX)	21200	19.2	1.7	--	3.0	--	114.7	--	143.2
HAPPEL 3361-A(3X)	22300	15.5	2.6	--	2.1	--	112.8	--	138.6
FUNK'S 6014X(MSX)	21600	16.5	4.3	--	--	--	108.8	--	--
WAC WCX 8103(SX)#	21400	21.5	3.2	--	--	--	100.1	--	--
STURDY GROW 912H(SX)#	22200	17.0	5.4	--	--	--	94.3	--	--
STURDY GROW 934W(3X)#	21900	17.7	4.9	--	--	--	93.6	--	--
STURDY GROW 816(SX)	22000	19.9	3.8	--	--	--	89.8	--	--
US-13(DX)	20400	15.5	16.0	11.7	11.8	--	87.0	24.4	113.1
MATURITY GROUP 3									
GARST 8388(SX)	22600	16.4	2.1	--	--	--	144.8*	--	--
FONTANELLE 680(SX)	22200	19.6	1.0	12.1	0.7	--	141.3*	81.2*	158.4
GARST 8344(SX)	21500	17.1	0.5	--	--	--	140.6*	--	--
TAYLOR-EVANS T-E 6996(SX)	22500	18.3	4.7	--	--	--	138.0	--	--
CROW'S 5L75(SX)	22300	19.3	1.0	--	--	--	137.9	--	--
WAC 923(SX)	21000	16.0	2.1	--	--	--	136.4	--	--
GARST 8345(SX)	22000	17.4	2.3	--	--	--	136.3	--	--
PAYMASTER 7990(SX)	21500	16.5	1.1	--	--	--	136.0	--	--
PIONEER 3377(SX)##	21600	15.7	0.5	3.2	1.3	--	135.1	81.0*	173.5*
GARST 8373(SX)	22600	16.4	0.5	--	--	--	134.1	--	--
TAYLOR-EVANS T-E 6998(SX)	21700	18.5	3.2	--	1.9	--	132.5	--	143.7
FUNK'S G-4733(MSX)	21200	20.0	1.7	7.9	1.2	--	131.3	57.3	157.3
MCALLISTER SX6837(SX)	22100	18.5	0.5	--	--	--	130.9	--	--
PIONEER 3378(SX)	20400	14.0	0.6	--	--	--	130.8	--	--
NORTHRUP KING PX 9609(SX)	21700	18.7	2.8	8.4	1.9	--	129.6	77.3	160.6
PIONEER 3358(SX)##	22900	17.3	0.0	5.1	0.0	--	128.0	83.6*	167.0*
GARST 8333(SX)	21400	19.0	2.7	--	--	--	127.0	--	--
MOEWS SM 725(SX)	22100	18.8	2.1	7.6	--	--	126.5	69.8	--
IOWA-MISSOURI SX 20(SX)	21400	20.4	1.0	6.0	2.4	--	125.8	52.4	172.0*
WAC 922(SX)	21600	18.0	0.5	--	--	--	125.3	--	--
AGRIPRO HP771(SX)	22100	18.6	1.5	--	1.3	--	124.5	--	158.9
MCALLISTER TX13AA(3X)	22600	16.9	4.2	--	--	--	119.7	--	--
MATURITY GROUP 4									
PIONEER 3183(SX)##	21100	17.4	1.7	5.3	2.7	--	136.3	74.8	155.7
MOEWS SM 6440(SX)	21400	19.2	3.4	5.9	--	--	132.6	65.6	--
PIONEER 3297(SX)	20800	14.1	1.7	--	--	--	120.2	--	--
PIONEER 3184(SX)##	21200	20.0	1.7	5.7	--	--	115.0	80.0*	--
TRIAL AVERAGE									
L.S.D. AT .05	21500	17.4	1.9	7.7	1.4	--	131.7	67.6	151.4
							18.8	16.7	22.5

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 5. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR SPICKARD ON THE NORTH MISSOURI CENTER
 IN 1982-84.
 PLANTED: 11 MAY 1984. HARVESTED: 25 SEPTEMBER 1984. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS (#/ACRE)		MOIST (%)			LODGING (%)			YIELD (BU/ACRE)		
	1984	1984	1984	1983	1982	1984	1983	1982	1984	1983	1982
MATURITY GROUP 1											
SUPER CROST 5452(SX)	18500	17.8	7.0	--	0.4	66.4*	--	115.6			
CARGILL 937(SX)	21000	18.2	2.3	--	--	66.4*	--	--			
CARGILL 921(SX)	21600	18.5	4.5	17.0	1.8	65.1*	19.0	118.6			
NORTHTRUP KING PX 9527(SX)	18300	16.8	5.9	4.9	1.2	64.6*	14.2	113.7			
MCCURDY 7384(SX)	20900	19.7	5.7	5.1	0.0	64.3*	19.1	130.4*			
AMERICANA 3100(SX)	19800	16.2	2.4	8.1	0.0	63.7	10.9	106.9			
O'S GOLD 2545(SX)	16900	18.6	7.8	--	--	61.8	--	--			
JACQUES 8100(SX)	18900	19.5	5.7	--	--	61.7	--	--			
AMERICANA 4100(SX)	18600	21.0	1.5	3.9	1.7	61.3	12.9	112.6			
DEKALB-PFIZER T1100(SX)	18500	17.2	6.5	1.7	1.1	60.5	17.7	113.2			
PAG SX 329(MSX)	20000	17.5	5.6	25.5	--	58.8	15.8	--			
GOLDEN HARVEST H-2500(SX)##	19300	19.4	6.8	6.1	0.5	58.7	18.6	121.0			
FUNK'S G-4522(MSX)##	20500	20.3	4.6	14.4	1.5	57.3	17.5	118.5			
CUSTOM FARM SEED W6420(SX)	20500	18.0	3.6	3.1	--	55.4	26.1*	--			
FUNK'S G-4507(SX)	20300	20.6	5.9	2.8	1.1	55.2	9.3	118.6			
FUNK'S G-4578(SX)	21500	19.5	12.9	8.5	1.1	55.2	17.6	124.5			
MCALLISTER SX8310(SX)	20300	19.0	2.9	--	--	54.3	--	--			
SHISSLER GR8 176(SX)	19700	16.2	4.1	--	--	53.3	--	--			
JACQUES 7900(SX)	19600	18.9	11.7	15.8	--	53.1	15.0	--			
AMERICANA 3300(SX)	19900	19.9	4.8	4.2	--	52.9	17.4	--			
RING AROUND RA 1404(SX)	18900	17.0	3.9	2.1	1.9	52.0	10.8	117.6			
MOEWS SM 3620(SX)	18600	16.1	5.3	3.0	--	51.8	21.2*	--			
CUSTOM FARM SEED 5801(SX)	18300	14.2	1.8	--	--	51.8	--	--			
O'S GOLD 2570(SX)	20600	19.9	6.9	4.6	0.5	51.0	13.9	109.5			
HAPPEL 8338(SX)	21100	16.5	2.8	10.5	1.3	50.4	9.7	113.2			
SUPER CROST 5438(SX)	19400	19.8	5.4	3.9	1.6	50.0	10.8	113.9			
MFA 5204(SX)	19900	16.3	4.9	--	--	45.8	--	--			
FUNK'S G-4514(SX)	19600	18.7	13.3	9.0	--	44.8	20.4*	--			
CUSTOM FARM SEED 7000(SX)	21100	19.0	4.5	11.6	--	42.5	13.4	--			
FUNK'S 4029X(SX)	21600	17.1	1.0	--	--	40.1	--	--			
CUSTOM FARM SEED EW95013(SX)	18500	18.1	10.6	--	--	36.0	--	--			
MATURITY GROUP 2											
WAC 918(SX)	19700	19.3	3.1	--	--	69.4*	--	--			
PAYMASTER 7190(SX)	17600	19.9	3.3	11.3	--	68.5*	18.7	--			
RING AROUND RA 1505(SPX)	18500	21.9	6.6	--	--	68.1*	--	--			
WAC WCX 8103(SX)#	18700	24.0	5.9	--	--	68.1*	--	--			
FONTANELLE 6257(SX)	20300	20.6	6.5	--	--	67.2*	--	--			
WILSON EXP. 321(SX)	19600	19.4	1.1	--	--	65.4*	--	--			
KITCHEN KSC 513(SX)	18800	20.1	3.6	4.4	2.2	65.4*	20.4*	113.5			
BO-JAC 6071(SX)	19300	21.4	1.8	--	--	65.4*	--	--			
LYNNVILLE RS-2022(SX)	16500	19.3	3.0	--	--	64.9*	--	--			
LYNNVILLE RS-2240(SX)	18100	19.4	3.0	12.3	--	64.6*	13.5	--			
S-BRAND SS-63(SX)	19800	18.9	3.1	--	--	64.1*	--	--			
MFA 6707(SX)	19400	20.8	7.5	16.3	1.5	63.1	12.5	120.0			
EK PREMIUM EK 8805(SX)	19700	19.6	1.2	--	--	63.0	--	--			
PAG SX 352(SX)	18900	19.9	2.4	--	--	62.7	--	--			
GROAGRI GSC 2333(SX)	19800	19.6	5.3	--	--	62.4	--	--			
AMERICANA C479(SX)	18500	20.1	1.2	--	--	62.1	--	--			
O'S GOLD 5291(SX)	19900	19.3	7.2	5.9	0.0	62.0	27.2**	119.4			
DEKALB-PFIZER DK727(SX)	19800	21.0	4.4	5.1	0.5	61.9	19.0	131.0*			
LEWIS 5910(SX)	18800	18.5	2.2	--	--	61.8	--	--			
RING AROUND RAX 3515(SX)	18300	19.1	1.3	--	--	61.5	--	--			
MFA 6708(SPX)##	19300	21.6	4.9	5.8	2.3	61.4	15.3	124.9			
WAC 915(SX)	19700	18.7	5.4	--	--	61.3	--	--			
LYNNVILLE RS-2280(SX)	18900	20.3	5.7	--	--	61.3	--	--			
GROAGRI GSC 2216(SX)	18600	18.6	7.8	--	--	61.0	--	--			
S-BRAND SS-64B(SPX)	20500	19.1	2.3	--	--	61.0	--	--			
DOCKENDORFF 7670(SX)	14200	19.5	2.9	--	--	60.7	--	--			
ASGROW RX777(SX)	18300	18.8	8.0	18.9	0.0	60.6	12.5	111.4			
BO-JAC 601(SX)	18300	18.3	5.3	2.1	--	60.5	14.4	--			
EK PREMIUM EK 8896(SX)	19900	18.9	5.2	--	--	60.0	--	--			
LEWIS X59B(SX)	19200	19.0	3.2	9.3	0.0	60.0	20.6*	111.6			
LEWIS X62BB(SX)	21000	21.2	2.8	12.2	--	59.9	17.0	--			
LEWIS X94B(SX)	20200	21.8	2.6	--	--	59.9	--	--			
FONTANELLE 5230(SX)	16600	18.1	2.3	--	--	59.8	--	--			
CARGILL 955(SX)	20300	19.8	2.3	4.0	--	59.7	20.0*	--			
HORIZON 718(SX)	19200	18.4	4.9	--	--	59.6	--	--			
GOLDEN HARVEST H-2695(SX)	21200	23.1	5.6	7.3	0.6	59.3	11.5	117.1			
SUPER CROST 6340(SX)	19800	20.1	1.7	--	--	59.0	--	--			
LYNKS LX 4355(SX)	18800	19.5	5.9	2.1	1.7	58.9	20.3*	119.6			
RANDELL 7120(SX)	20000	18.5	1.3	--	--	58.7	--	--			
DEKALB-PFIZER EXP464(SX)	19100	19.0	2.6	--	--	58.3	--	--			
RING AROUND RA 1511(SX)	16200	21.9	2.2	--	--	58.2	--	--			
GROAGRI GSC 2212(SX)	19400	21.4	1.9	--	--	57.8	--	--			
NC+ 6190(SX)	19800	18.2	14.3	1.6	1.2	57.8	18.5	115.9			
STURDY GROW 805A(SX)	20800	20.1	9.3	--	--	57.6	--	--			
JACQUES 8400(SX)	20800	21.6	4.6	20.7	--	57.6	11.0	--			
PRIZE EXP. 207(SX)	18600	18.6	0.5	--	--	57.4	--	--			
S-BRAND SS-61(SPX)	18700	17.3	4.3	--	--	57.3	--	--			
GROAGRI GSC 2355(SX)	19600	20.8	11.6	--	--	57.3	--	--			
STAUFFER S7759(SX)	20400	19.7	1.7	8.5	1.7	57.2	10.0	123.8			
AMERICANA 4730(SX)	17400	20.3	1.3	11.6	1.7	57.1	11.3	112.6			
DOCKENDORFF 7378(SX)	18600	16.9	4.6	--	--	57.0	--	--			
WILSON EXP. 305(SX)	17700	18.8	3.9	--	--	56.7	--	--			
WILSON 1800B(SX)	17900	19.2	3.3	--	0.0	56.6	--	117.2			
FUNK'S 6014X(MSX)	19600	21.8	6.6	--	--	56.5	--	--			
NORTHTRUP KING PX 9581(SX)	19200	21.9	7.9	4.4	2.0	56.3	15.0	125.9*			
STAUFFER S7767(SX)	18600	19.3	3.2	--	0.5	55.5	--	--			
PAYMASTER 6990(SX)	16800	16.0	2.8	--	0.4	55.4	--	119.9			
EK PREMIUM EK 7796(SX)	18900	19.4	3.1	--	--	55.3	--	--			

TABLE 5. CONTINUED.

BRAND-HYBRID	PLANTS		LODGING			YIELD		
	(#/ACRE)	MOIST (%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1984	1984	1984	1983	1982	1984	1983	1982
PRIZE 2020(SX)	20600	21.4	2.2	--	--	54.8	--	--
LYNKS LX 4500(SX)	19600	20.8	4.3	9.8	0.6	54.8	16.1	120.5
MFA 6709(SX)	18000	22.3	4.4	--	--	54.7	--	--
NC+ 5990(SX)	20300	19.0	2.3	--	--	54.1	--	--
HORIZON 861(SX)	18100	20.1	7.5	--	--	53.9	--	--
PAG SX 351(SX)	17500	22.3	1.5	0.0	0.6	53.5	9.3	119.2
BURRUS BX 28(SX)	19100	17.8	1.9	--	--	53.5	--	--
PAG SX 354(SX)	21200	21.1	7.3	8.4	--	53.2	18.3	--
BURRUS BX 26(SX)	18800	19.8	1.3	2.7	--	53.0	13.5	--
SHISSLER GR8 194(SX)	20900	20.4	4.6	--	--	52.9	--	--
NC+ 8331(SX)	19400	20.9	2.4	11.4	0.0	52.8	23.1*	119.4
WILSON 1700(SX)	20400	17.7	0.5	2.2	--	52.7	16.7	--
MCCURDY 7676(SX)	19700	19.1	15.8	10.7	1.9	52.3	11.2	115.7
LYNNVILLE RS-23A(SX)	20000	18.9	4.9	5.7	--	52.1	18.2	--
CARGILL 967(SX)##	21200	21.4	2.2	1.1	1.1	52.0	19.2*	114.7
LEWIS 6140(SX)	20600	20.0	1.7	--	--	51.5	--	--
CROW'S 690(SX)	17600	22.1	5.3	--	--	51.2	--	--
AMERICANA 4640(SX)	21400	22.8	3.3	5.2	0.5	51.1	20.2*	125.7*
DEKALB-PFIZER DK656(SX)	20400	19.5	4.7	3.4	--	50.9	14.3	--
HAPPEL MS-80(SX)	19300	21.1	3.6	8.9	1.2	50.6	21.4*	122.0
POCKLINGTON P-321(SX)	17000	17.8	2.7	--	--	50.6	--	--
DEKALB-PFIZER 6261(SX)	21000	16.9	1.8	5.4	0.0	50.4	13.7	112.9
TRIUMPH 1580(SX)	22000	18.3	4.9	--	--	50.4	--	--
PAYMASTER 8201(SX)##	21600	18.1	11.7	12.6	0.5	50.1	15.3	108.4
BO-JAC 562(SX)	21900	19.8	4.4	7.4	1.2	49.9	15.6	117.1
LEWIS X748(SX)	20000	19.1	3.6	12.1	0.5	49.9	20.2*	131.1*
KITCHEN KSC 516(SX)	20300	19.8	6.4	21.1	0.6	49.7	21.0*	123.9
AGRIPRO HP555(SX)	19800	19.2	7.2	--	1.7	49.4	--	116.5
FUNK'S G-4669(SX)	19700	21.7	1.8	--	--	49.4	--	--
STURDY GROW 827A(SX)	18900	21.8	2.1	--	--	49.3	--	--
RANDELL 7115(SX)	19400	17.2	3.5	--	--	48.9	--	--
US-13(DX)	18900	19.7	12.2	6.2	5.1	48.2	12.9	120.0
SHISSLER GR8 196(SX)	19700	21.4	3.0	--	--	48.0	--	--
STURDY GROW 816(SX)	17900	23.1	2.1	--	--	47.0	--	--
STURDY GROW 912W(SX)#	20400	21.8	13.2	--	--	47.0	--	--
HAPPEL 8366(SX)	20300	20.3	1.6	--	--	46.9	--	--
POCKLINGTON PM-71(SX)	17300	21.5	1.3	--	--	46.8	--	--
DEKALB-PFIZER XL-72AA(SX)##	19900	22.1	8.5	2.3	0.0	45.0	18.4	112.5
DEKALB-PFIZER EXP369(SX)	18900	23.0	1.3	--	--	44.8	--	--
FUNK'S G-4673A(MSX)	21500	22.4	4.6	19.0	0.5	44.3	11.9	121.0
PIONEER 3475(SX)	18000	15.6	4.0	--	--	44.1	--	--
STURDY GROW 829A(SX)	20600	21.0	5.7	--	--	44.0	--	--
MCALLISTER SX7300B(SX)	17900	20.5	1.2	--	--	44.0	--	--
GOLDEN HARVEST H-2680(SX)	19100	22.2	4.4	2.4	1.0	43.5	6.8	128.3*
POCKLINGTON P-601A(SX)	19300	18.7	3.8	--	--	43.2	--	--
HAPPEL 3361-A(SX)	21100	19.7	5.0	--	3.5	42.8	--	117.8
SUPER CROST 7600(SX)	20000	21.4	1.2	9.0	0.6	42.2	16.6	123.5
DEKALB-PFIZER XL-73(SX)	21000	23.4	6.3	9.7	6.5	41.1	10.5	122.5
RING AROUND RA 1502(SX)	21200	21.9	3.9	19.1	0.6	40.3	13.9	121.7
BURRUS BX 34(SX)	19800	23.5	2.5	--	--	40.2	--	--
STURDY GROW 934W(3X)#	20400	21.6	4.6	--	--	39.2	--	--
KITCHEN KSC 518(SX)	19800	21.3	4.0	2.8	--	38.6	9.6	--
POCKLINGTON P-6392(3X)	21600	21.8	3.4	--	--	36.9	--	--
MATURITY GROUP 3								
MOEWS SM 725(SX)	20200	20.7	5.9	5.1	--	77.0**	20.5*	--
PIONEER 3377(SX)##	21000	15.6	1.6	6.0	1.2	73.9**	12.9	118.3
PIONEER 3378(SX)	19400	16.6	3.6	--	--	63.8	--	--
MCALLISTER TX13AA(3X)	18700	22.6	5.5	--	--	63.2	--	--
WAC 923(SX)	19800	19.2	1.8	--	--	62.1	--	--
TAYLOR-EVANS T-E 6996(SX)	19100	21.5	6.3	--	--	61.2	--	--
CROW'S SL75(SX)	19300	21.0	8.6	--	--	59.6	--	--
GARST 8333(SX)	19200	20.8	5.3	--	--	59.3	--	--
MCALLISTER SX6837(SX)	18300	22.5	4.9	--	--	58.2	--	--
PIONEER 3358(SX)##	21500	19.4	2.2	1.5	1.6	58.0	13.0	117.0
GARST 8344(SX)	20900	18.9	2.3	--	--	57.6	--	--
WAC 922(SX)	19900	22.2	6.1	--	--	55.9	--	--
AGRIPRO HP771(SX)	21600	20.7	4.4	--	0.8	54.3	--	120.3
GARST 8345(SX)	19600	18.3	2.4	--	--	52.7	--	--
FONTANELLE 680(SX)	21100	20.2	4.4	12.3	0.0	52.5	20.9*	127.4*
GARST 8388(SX)	20200	19.3	1.2	--	--	50.0	--	--
NORTHROP KING PX 9609(SX)	21200	20.5	4.7	4.6	4.0	48.3	12.4	120.9
FUNK'S G-4733(MSX)	20000	23.5	4.1	16.9	1.6	46.7	8.8	121.5
PAYMASTER 7990(SX)	20400	22.1	3.8	--	--	45.4	--	--
IOWA-MISSOURI SX 20(SX)	21200	23.3	3.9	3.6	1.2	45.0	13.4	140.0*
GARST 8373(SX)	20500	18.8	4.1	--	--	44.9	--	--
TAYLOR-EVANS T-E 6998(SX)	19800	22.6	3.1	--	2.1	44.2	--	130.4*
MATURITY GROUP 4								
PIONEER 3183(SX)##	20200	21.3	2.4	6.7	2.8	67.4*	9.4	117.0
PIONEER 3297(SX)	18600	19.6	1.2	--	--	61.7	--	--
PIONEER 3184(SX)##	21200	21.7	2.2	6.4	--	59.4	9.0	--
MOEWS SM 6440(SX)	21000	22.0	2.8	3.7	--	33.6	11.0	--
TRIAL AVERAGE								
L.S.D. AT .05	19500	19.8	4.4	8.5	1.2	55.0	14.8	119.4
						13.1	8.1	15.2

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 6. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR NOVELTY ON THE GREENLEY MEMORIAL CENTER IN 1982-84.
PLANTED: 18 MAY 1984. HARVESTED: 28 SEPTEMBER 1984. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS		LODGING			YIELD	
	(#/ACRE)	MOIST (%)	LODGING (%)			(BU/ACRE)	
	1984	1984	1984	1983	1982	1984	1982
MATURITY GROUP 1							
AMERICANA 3300(SX)	22300	25.2	8.6	42.9	--	71.6**	12.4
CARGILL 921(SX)	22300	25.6	23.9	29.0	1.1	67.6*	14.0*
JACQUES 8100(SX)	21000	28.2	9.4	--	--	66.3*	--
CUSTOM FARM SEED W6420(SX)	20300	24.2	6.0	33.7	--	65.1*	12.0
CARGILL 937(SX)	23000	28.1	15.6	--	--	63.5*	--
SUPER CROST 5438(SX)	20400	27.6	3.5	40.9	0.0	60.6	8.8
MCALLISTER SX8310(SX)	22000	26.5	1.6	--	--	59.8	--
SUPER CROST 5452(SX)	20300	25.3	8.3	--	1.4	59.4	12.7.4
O'S GOLD 2570(SX)	22300	24.6	11.4	36.5	0.0	59.4	12.1
FUNK'S G-4522(MSX)##	22300	27.5	8.0	45.0	0.6	57.5	12.8
PAG SX 329(MSX)	22500	24.2	4.3	44.4	--	57.2	9.4
FUNK'S G-4514(SX)	21000	27.3	9.7	39.2	--	57.1	7.5
DEKALB-PFIZER T1100(SX)	21400	25.8	2.8	7.8	0.0	56.7	5.8
MCCURDY 7384(SX)	22200	26.7	1.6	50.7	0.6	56.6	6.9
O'S GOLD 2545(SX)	20400	26.2	3.6	--	--	55.5	--
RING AROUND RA 1404(SX)	20800	24.2	2.9	11.9	0.0	54.3	7.4
FUNK'S 4029X(SX)	22200	25.2	2.6	--	--	54.3	--
GOLDEN HARVEST H-2500(SX)##	20400	26.0	5.3	29.0	0.0	54.1	10.8
JACQUES 7900(SX)	21100	26.4	3.5	40.7	--	54.0	9.0
AMERICANA 3100(SX)	22500	23.6	2.1	20.6	0.0	52.3	6.6
MOEWS SM 3620(SX)	21900	24.5	2.2	9.4	--	50.1	5.4
FUNK'S G-4578(SX)	22100	28.0	10.7	41.6	0.5	49.5	9.5
SHISSLER GR8 176(SX)	20400	26.5	3.0	--	--	49.1	--
FUNK'S G-4507(SX)	22300	29.0	6.5	34.6	0.6	48.9	8.0
NORTHROP KING PX 9527(SX)	21900	26.1	2.6	11.2	0.0	47.8	6.0
HAPPEL 8338(SX)	20200	25.6	2.8	12.5	0.6	47.5	6.7
CUSTOM FARM SEED 7000(SX)	20400	27.3	6.3	48.0	--	45.3	6.5
CUSTOM FARM SEED 5801(SX)	22800	20.7	0.5	--	--	45.1	--
CUSTOM FARM SEED EW95013(SX)	22500	26.5	9.0	--	--	43.0	--
MFA 5204(SX)	21000	26.6	2.8	--	--	42.8	--
AMERICANA 4100(SX)	21100	27.7	1.1	17.2	0.0	36.2	6.1
MATURITY GROUP 2							
FONTANELLE 6257(SX)	21400	28.6	3.4	--	--	69.0*	--
PAYMASTER 7190(SX)	22500	26.6	23.1	40.2	--	67.7*	12.3
BURRUS BX 26(SX)	18600	26.4	3.4	16.5	--	66.9*	4.7
LYNNVILLE RS-2280(SX)	18600	28.5	5.2	--	--	65.9*	--
LYNNVILLE RS-23A(SX)	22100	25.6	1.6	36.6	--	64.5*	8.9
GROAGRI GSC 2212(SX)	21400	28.0	6.2	--	--	62.6*	--
NC+ 5990(SX)	20500	26.5	1.1	--	--	62.4*	--
MFA 6707(SX)	21700	28.6	7.3	38.8	0.0	62.3*	5.4
HAPPEL MS-80(SX)	18300	28.0	2.6	31.6	1.2	61.9*	5.7
LEWIS X59B(SX)	20900	27.6	1.1	32.3	0.8	61.9*	7.0
HORIZON 718(SX)	18900	27.1	4.3	--	--	61.7*	--
TRIUMPH 1580(SX)	21900	25.7	3.2	--	--	61.0	--
RING AROUND RAX 3515(SX)	19600	25.3	4.9	--	--	60.2	--
WAC 915(SX)	20300	25.9	8.2	--	--	60.1	--
PAYMASTER 8201(SX)##	22500	27.7	5.3	34.1	2.4	59.9	7.7
GROAGRI GSC 2216(SX)	18600	26.4	3.1	--	--	59.9	--
EK PREMIUM EK 8805(SX)	20800	26.5	2.3	--	--	59.6	--
RANDELL 7120(SX)	20800	26.1	10.7	--	--	59.1	--
AMERICANA C479(SX)	18300	26.1	3.9	--	--	58.9	--
BO-JAC 6071(SX)	19100	26.7	3.8	--	--	58.6	--
DOCKENDROFF 7670(SX)	18800	24.4	1.8	--	--	58.4	--
LEWIS 6140(SX)	21600	24.8	2.2	--	--	58.4	--
LEWIS X62BB(SX)	20300	27.9	7.7	42.7	--	58.3	11.6
LYNKS LX 4355(SX)	20500	27.4	6.5	41.9	1.3	58.1	6.8
DEKALB-PFIZER XL-72AA(SX)##	19800	27.8	3.7	37.8	0.6	57.8	7.1
BO-JAC 601(SX)	19600	27.6	3.7	23.5	--	57.7	5.6
DEKALB-PFIZER DK656(SX)	21100	28.3	4.5	28.3	--	57.6	6.5
PAYMASTER 6990(SX)	23000	24.4	3.0	--	0.6	57.0	--
NC+ 6190(SX)	21100	27.8	3.4	40.4	1.2	56.9	11.1
FONTANELLE 5230(SX)	16400	26.7	2.9	--	--	56.7	--
LYNKS LX 4500(SX)	20000	26.3	9.9	34.8	0.6	56.6	6.9
CARGILL 955(SX)	20900	26.8	3.4	9.4	--	55.9	9.6
WILSON EXP. 321(SX)	18800	26.8	1.9	--	--	55.8	--
LEWIS 5910(SX)	21200	26.4	4.4	--	--	55.6	--
LYNNVILLE RS-2022(SX)	18100	25.9	5.4	--	--	55.5	--
PAG SX 352(SX)	21000	27.9	5.6	--	--	55.5	--
WILSON EXP. 305(SX)	19400	25.6	4.9	--	--	55.5	--
KITCHEN KSC 513(SX)	19400	28.4	4.3	30.4	0.0	55.4	9.6
S-BRAND S5-64B(SPX)	20800	26.7	4.6	--	--	55.0	--
ASGROW RX777(SX)	21200	23.5	5.7	60.9	0.0	54.9	12.5
WILSON 1800B(SX)	21700	27.0	7.3	--	0.0	54.5	--
STAUFFER S7767(SX)	21000	26.9	4.0	--	0.0	54.0	--
SUPER CROST 6340(SX)	20400	27.4	2.3	--	--	54.0	--
STURDY GROW 805A(SX)	22500	27.3	5.3	--	--	53.9	--
MFA 6708(SPX)##	22000	29.3	4.9	33.8	0.8	53.7	7.3
S-BRAND S5-63(SX)	21500	28.6	4.5	--	--	53.7	--
WAC 918(SX)	19800	26.4	7.8	--	--	53.4	--
GROAGRI GSC 2333(SX)	19700	23.6	11.4	--	--	53.2	--
STAUFFER S7759(SX)	19300	27.4	5.0	28.0	0.0	53.0	14.1*
BURRUS BX 28(SX)	21200	26.3	4.0	--	--	52.9	--
RANDELL 7115(SX)	18600	25.2	2.5	--	--	52.7	--
DEKALB-PFIZER EXP464(SX)	20400	28.3	2.3	--	--	52.5	--
AGRIPRO HP555(SX)	19400	24.0	8.6	--	0.0	52.4	--
MCCURDY 7676(SX)	21700	25.5	9.9	43.3	0.0	52.4	6.5
HORIZON 861(SX)	20800	25.8	14.5	--	--	52.2	--
RING AROUND RA 1505(SPX)	21000	29.1	6.4	--	--	52.2	--
MFA 6709(SX)	17400	29.4	10.5	--	--	52.1	--
MCALLISTER SX7300B(SX)	20300	27.0	8.7	--	--	52.1	--

TABLE 6. CONTINUED.

BRAND-HYBRID	PLANTS		LODGING			YIELD		
	(#/ACRE)	MOIST (%)	%			(BU/ACRE)		
	1984	1984	1984	1983	1982	1984	1983	1982
GROAGRI GSC 2355(SX)	18800	27.5	8.5	--	--	51.8	--	--
SHISSLER GR8 194(SX)	20500	25.5	10.6	--	--	51.5	--	--
HAPPEL 8366(SX)	21000	27.8	2.9	--	--	51.0	--	--
DEKALB-PFIZER DK727(SX)	19700	29.3	1.1	17.0	0.0	50.1	5.4	146.1
RING AROUND RA 1502(SX)	22300	27.5	4.8	23.5	0.6	50.0	5.9	151.5
WILSON 1700(SX)	21500	26.5	3.2	25.9	--	49.9	15.7*	--
LEMIS X74B(SX)	19300	27.0	5.5	55.6	0.6	49.7	6.1	149.8
AMERICANA 4730(SX)	20300	28.0	8.6	38.2	0.0	49.7	6.9	168.3*
KITCHEN KSC 518(SX)	19700	27.7	12.0	16.1	--	49.6	5.2	--
RING AROUND RA 1511(SX)	16800	28.1	5.7	--	--	48.9	--	--
O'S GOLD 5291(SX)	21100	27.4	7.2	42.4	0.0	48.9	11.5	145.7
NORTHROP KING PX 9581(SX)	21100	25.9	10.2	17.4	1.2	48.8	8.1	140.8
PAG SX 354(SX)	22500	28.7	5.3	14.7	--	48.7	5.4	--
DOCKENDROFF 7378(SX)	22900	24.4	3.7	--	--	48.5	--	--
PRIZE 2020(SX)	22600	26.5	12.3	--	--	48.5	--	--
HAPPEL 3361-A(3X)	22900	25.5	5.2	--	3.6	48.4	--	151.3
PRIZE EXP.207(SX)	20200	26.1	2.9	--	--	47.9	--	--
POCKLINGTON PM-71(SX)	17900	27.5	2.6	--	--	47.8	--	--
S-BRAND SS-61(SPX)	20300	25.9	7.7	--	--	47.3	--	--
BO-JAC 562(SX)	21000	27.1	5.1	27.6	0.0	46.8	9.0	157.0*
NC+ 8331(SX)	20900	28.0	12.2	39.2	0.0	46.8	9.3	146.1
STURDY GROW 827A(SX)	19600	28.2	2.4	--	--	46.8	--	--
EK PREMIUM EK 7796(SX)	20800	26.5	2.9	--	--	46.8	--	--
EK PREMIUM EK 8896(SX)	19400	24.5	9.0	--	--	46.3	--	--
PIONEER 3475(SX)	20800	19.8	1.2	--	--	45.8	--	--
SHISSLER GR8 196(SX)	21100	26.2	3.4	--	--	45.7	--	--
POCKLINGTON P-321(SX)	21600	26.9	3.3	--	--	45.4	--	--
AMERICANA 4640(SX)	21700	27.6	3.3	7.9	0.0	45.4	6.0	148.7
CARGILL 967(SX)##	20800	28.0	2.4	15.6	0.6	45.0	5.8	162.5*
BURRUS BX 34(SX)	21000	28.0	1.8	--	--	44.7	--	--
PAG SX 351(SX)	21600	27.4	4.4	18.8	0.6	44.6	8.0	161.8*
POCKLINGTON P-601A(SX)	22600	27.0	6.9	--	--	43.8	--	--
FUNK'S G-4673A(MSX)	21600	28.8	7.7	39.1	0.6	43.7	5.9	143.0
SUPER CROST 7600(SX)	20000	27.1	12.6	34.2	0.6	43.5	7.7	132.9
DEKALB-PFIZER 6261(SX)	22200	24.2	1.0	13.2	0.6	42.8	6.0	145.4
JACQUES 8400(SX)	21900	28.2	11.5	48.4	--	42.7	8.4	--
KITCHEN KSC 516(SX)	21500	26.8	6.2	54.4	0.0	42.6	4.2	141.6
LEMIS X94B(SX)	20600	28.3	1.2	--	--	40.5	--	--
FUNK'S G-4669(SX)	18800	30.3	5.0	--	--	39.9	--	--
WAC WOX 8103(SX)#	16900	29.6	8.0	--	--	39.8	--	--
LYNNVILLE RS-2240(SX)	22100	26.9	10.9	36.3	--	37.7	7.5	--
GOLDEN HARVEST H-2680(SX)	21200	29.9	9.1	30.8	0.0	37.7	6.7	142.2
GOLDEN HARVEST H-2695(3X)	21600	29.1	7.2	23.1	3.7	37.4	4.5	133.5
DEKALB-PFIZER XL-73(SX)	21100	28.5	12.9	36.0	2.8	36.7	9.1	155.8*
POCKLINGTON P-6392(3X)	20300	27.0	5.3	--	--	34.2	--	--
STURDY GROW 829A(SX)	20900	30.3	5.1	--	--	33.6	--	--
STURDY GROW 934W(3X)#	21900	27.3	12.6	--	--	32.7	--	--
US-13(DX)	18300	25.5	8.8	41.6	10.7	32.6	8.1	120.9
CROW'S 690(SX)	19200	30.8	5.0	--	--	32.1	--	--
STURDY GROW 816(SX)	20600	25.6	11.0	--	--	29.3	--	--
DEKALB-PFIZER EXP369(SX)	22200	27.7	1.6	--	--	29.2	--	--
STURDY GROW 912W(SX)#	21200	27.8	14.2	--	--	28.7	--	--
FUNK'S 6014X(MSX)	20800	29.5	9.1	--	--	23.3	--	--
MATURITY GROUP 3								
MCALLISTER SX6837(SX)	21900	28.7	6.7	--	--	65.7*	--	--
GARST 8333(SX)	21400	24.7	4.4	--	--	63.8*	--	--
WAC 923(SX)	19900	27.2	4.8	--	--	59.6	--	--
GARST 8388(SX)	21000	27.3	2.8	--	--	58.1	--	--
PIONEER 3377(SX)##	21000	24.0	1.7	32.4	0.0	55.7	9.0	146.5
GARST 8344(SX)	21500	26.1	2.1	--	--	54.6	--	--
CROW'S SL75(SX)	19900	28.3	6.1	--	--	54.0	--	--
GARST 8373(SX)	21700	26.2	4.9	--	--	52.7	--	--
PAYMASTER 7990(SX)	21200	29.2	2.8	--	--	52.2	--	--
NORTHROP KING PX 9609(SX)	20900	27.5	6.9	37.0	0.0	49.4	5.1	155.2*
PIONEER 3378(SX)	19100	25.3	2.4	--	--	49.0	--	--
GARST 8345(SX)	23000	26.2	3.6	--	--	48.0	--	--
MOEWS SM 725(SX)	20900	28.2	8.1	10.3	--	45.3	5.8	--
TAYLOR-EVANS T-E 6996(SX)	21700	27.3	9.4	--	--	43.8	--	--
FONTANELLE 680(SX)	19600	27.6	9.8	37.2	1.3	42.4	10.5	175.6**
WAC 922(SX)	19800	28.8	9.2	--	--	42.2	--	--
MCALLISTER TX13AA(3X)	22100	27.8	6.9	--	--	40.8	--	--
AGRIPRO HP771(SX)	21900	27.2	6.6	--	0.0	40.7	--	129.7
PIONEER 3358(SX)##	20000	25.3	2.9	34.5	0.0	38.8	9.7	145.7
IOWA-MISSOURI SX 20(SX)	20300	32.3	10.0	15.7	2.5	31.8	5.2	160.0**
FUNK'S G-4733(MSX)	19700	29.1	3.6	20.4	0.0	31.6	3.0	130.2
TAYLOR-EVANS T-E 6998(SX)	22800	29.7	7.9	--	6.2	31.1	--	125.8
MATURITY GROUP 4								
PIONEER 3297(SX)	21600	26.2	2.7	--	--	53.1	--	--
PIONEER 3184(SX)##	21900	27.5	3.2	17.5	--	48.9	5.0	--
PIONEER 3183(SX)##	21000	27.5	1.7	34.4	1.7	42.6	5.8	151.4
MOEWS SM 6440(SX)	22200	31.2	6.0	17.7	--	35.7	4.2	--
TRIAL AVERAGE								
L.S.D. AT .05	20700	26.9	5.8	31.1	0.8	50.8	7.6	144.3
						10.4	4.7	21.0

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 7. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT THREE NORTH MISSOURI LOCATIONS (FAIRFAX, SPICKARD, AND NOVELTY) IN 1984. PLANTED POPULATION: 23000.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	FAIRFAX	SPICKRD	GREENLY	MEAN	FAIRFAX	SPICKRD	GREENLY	MEAN
MATURITY GROUP 1								
SUPER CROST 5452(SX)	3.2	7.0	8.3	6.1	147.6*	66.4*	59.4	91.1*
CARGILL 921(SX)	3.5	4.5	23.9	10.6	139.6*	65.1*	67.6*	90.7*
JACQUES 8100(SX)	0.0	5.7	9.4	5.0	134.9	61.7	66.3*	87.6*
CARGILL 937(SX)	4.8	2.3	15.6	7.5	131.1	66.4*	63.5*	87.0*
AMERICANA 3300(SX)	2.7	4.8	8.6	5.3	133.4	52.9	71.6**	85.9*
CUSTOM FARM SEED W6420(SX)	1.1	3.6	6.0	3.5	133.0	55.4	65.1*	84.5*
JACQUES 7900(SX)	1.1	11.7	3.5	5.4	146.3*	53.1	54.0	84.4*
O'S GOLD 2570(SX)	2.1	6.9	11.4	6.8	140.8*	51.0	59.4	83.7*
FUNK'S G-4507(SX)	2.0	5.9	6.5	4.8	147.0*	55.2	48.9	83.7*
MCCURDY 7384(SX)	1.8	5.7	1.6	3.0	129.9	64.3*	56.6	83.6*
DEKALB-PFIZER T1100(SX)	2.1	6.5	2.8	3.8	131.6	60.5	56.7	82.9*
SUPER CROST 5438(SX)	4.3	5.4	3.5	4.4	137.8	50.0	60.6	82.8*
MCALLISTER SX8310(SX)	0.5	2.9	1.6	1.6	132.6	54.3	59.8	82.2
RING AROUND RA 1404(SX)	0.5	3.9	2.9	2.4	139.9*	52.0	54.3	82.0
GOLDEN HARVEST H-2500(SX)##	4.2	6.8	5.3	5.4	131.8	58.7	54.1	81.5
FUNK'S G-4522(MSX)##	4.9	4.6	8.0	5.8	127.0	57.3	57.5	80.6
NORTHROP KING PX 9527(SX)	5.3	5.9	2.6	4.6	129.4	64.6*	47.8	80.6
O'S GOLD 2545(SX)	1.7	7.8	3.6	4.3	123.6	61.8	55.5	80.3
FUNK'S G-4578(SX)	4.6	12.9	10.7	9.4	134.4	55.2	49.5	79.7
PAG SX 329(MSX)	0.5	5.6	4.3	3.4	121.0	58.8	57.2	79.0
AMERICANA 3100(SX)	0.0	2.4	2.1	1.5	120.8	63.7	52.3	78.9
SHISSLER GR8 176(SX)	1.7	4.1	3.0	2.9	129.6	53.3	49.1	77.3
FUNK'S 4029X(SX)	0.0	1.0	2.6	1.2	136.6	40.1	54.3	77.0
HAPPEL 8338(SX)	1.0	2.8	2.8	2.2	131.4	50.4	47.5	76.4
AMERICANA 4100(SX)	0.0	1.5	1.1	0.8	129.3	61.3	36.2	75.6
CUSTOM FARM SEED 7000(SX)	1.0	4.5	6.3	3.9	138.8*	42.5	45.3	75.5
MOEWS SM 3620(SX)	0.5	5.3	2.2	2.6	123.2	51.8	50.1	75.0
CUSTOM FARM SEED 5801(SX)	0.0	1.8	0.5	0.7	125.4	51.8	45.1	74.1
FUNK'S G-4514(SX)	7.4	13.3	9.7	10.1	117.7	44.8	57.1	73.2
CUSTOM FARM SEED EW95013(SX)	2.0	10.6	9.0	7.2	124.7	36.0	43.0	67.9
MFA 5204(SX)	1.1	4.9	2.8	2.9	114.8	45.8	42.8	67.8
MATURITY GROUP 2								
FONTANELLE 6257(SX)	1.0	6.5	3.4	3.6	139.8*	67.2*	69.0*	92.0**
BURRUS BX 26(SX)	0.5	1.3	3.4	1.7	154.2*	53.0	66.9*	91.3*
LYNNVILLE RS-23A(SX)	1.6	4.9	1.6	2.7	157.3**	52.1	64.5*	91.3*
EK PREMIUM EK 8805(SX)	1.0	1.2	2.3	1.5	151.0*	63.0	59.6	91.2*
HORIZON 718(SX)	3.1	4.9	4.3	4.1	145.3*	59.6	61.7*	88.8*
LYNNVILLE RS-2280(SX)	0.0	5.7	5.2	3.6	136.9	61.3	65.9*	88.0*
DOCKENDROFF 7670(SX)	0.6	2.9	1.8	1.7	144.6*	60.7	58.4	87.9*
KITCHEN KSC 513(SX)	1.2	3.6	4.3	3.0	142.1*	65.4*	55.4	87.6*
WAC 918(SX)	1.1	3.1	7.8	4.0	139.4*	69.4*	53.4	87.4*
S-BRAND SS-63(SX)	1.7	3.1	4.5	3.1	144.0*	64.1*	53.7	87.2*
MFA 6707(SX)	4.7	7.5	7.3	6.5	135.6	63.1	62.3*	87.0*
LYNKS LX 4500(SX)	0.0	4.3	9.9	4.7	149.1*	54.8	56.6	86.8*
GROAGRI GSC 2355(SX)	1.4	11.6	8.5	7.1	151.5*	57.3	51.8	86.8*
WAC 915(SX)	3.8	5.4	8.2	5.8	138.4	61.3	60.1	86.6*
AMERICANA 4730(SX)	0.0	1.3	8.6	3.3	152.3*	57.1	49.7	86.3*
GROAGRI GSC 2212(SX)	1.1	1.9	6.2	3.0	138.2	57.8	62.6*	86.2*
RING AROUND RAX 3515(SX)	1.1	1.3	4.9	2.4	136.4	61.5	60.2	86.0*
LYNKS LX 4355(SX)	0.5	5.9	6.5	4.3	140.5*	58.9	58.1	85.8*
STAUFFER 57759(SX)	0.5	1.7	5.0	2.4	147.2*	57.2	53.0	85.8*
BO-JAC 601(SX)	1.2	5.3	3.7	3.4	138.8*	60.5	57.7	85.6*
S-BRAND SS-64B(SPX)	2.2	2.3	4.6	3.0	139.8*	61.0	55.0	85.2*
LEWIS X62BB(SX)	1.1	2.8	7.7	3.8	135.4	59.9	58.3	84.5*
AMERICANA C479(SX)	2.0	1.2	3.9	2.3	132.2	62.1	58.9	84.4*
GROAGRI GSC 2333(SX)	0.5	5.3	11.4	5.7	137.8	62.4	53.2	84.4*
CARGILL 955(SX)	1.5	2.3	3.4	2.4	137.5	59.7	55.9	84.3*
PAG SX 352(SX)	2.1	2.4	5.6	3.3	134.7	62.7	55.5	84.3*
RANDELL 7120(SX)	3.1	1.3	10.7	5.0	135.2	58.7	59.1	84.3*
LEWIS 5910(SX)	0.5	2.2	4.4	2.3	135.2	61.8	55.6	84.2*
FONTANELLE 5230(SX)	2.0	2.3	2.9	2.4	136.0	59.8	56.7	84.1*
RING AROUND RA 1505(SPX)	2.2	6.6	6.4	5.0	132.0	68.1*	52.2	84.1*
BO-JAC 562(SX)	0.5	4.4	5.1	3.3	155.2*	49.9	46.8	83.9*
STAUFFER 57767(SX)	1.6	3.2	4.0	2.9	141.9*	55.5	54.0	83.8*
GROAGRI GSC 2216(SX)	1.8	7.8	3.1	4.2	130.7	61.0	59.9	83.8*
PAYMASTER 7190(SX)	2.1	3.3	23.1	9.5	115.2	68.5*	67.7*	83.8*
LEWIS X59B(SX)	0.5	3.2	1.1	1.6	129.4	60.0	61.9*	83.7*
S-BRAND SS-61(SPX)	1.6	4.3	7.7	4.5	145.5*	57.3	47.3	83.3*
NC+ 6190(SX)	2.7	14.3	3.4	6.8	135.0	57.8	56.9	83.2*
DEKALB-PFIZER EXP464(SX)	0.0	2.6	2.3	1.6	138.2	58.3	52.5	83.0*
LYNNVILLE RS-2022(SX)	1.4	3.0	5.4	3.2	128.8	64.9*	55.5	83.0*
DEKALB-PFIZER DK656(SX)	1.0	4.7	4.5	3.4	140.2*	50.9	57.6	82.9*
NORTHROP KING PX 9581(SX)	0.5	7.9	10.2	6.2	143.2*	56.3	48.8	82.7*
HAPPEL MS-80(SX)	1.6	3.6	2.6	2.6	135.2	50.6	61.9*	82.5*
PRIZE 2020(SX)	1.7	2.2	12.3	5.4	143.6*	54.8	48.5	82.3
WILSON EXP.321(SX)	1.1	1.1	1.9	1.3	125.6	65.4*	55.8	82.2
O'S GOLD 5291(SX)	1.6	7.2	7.2	5.3	135.3	62.0	48.9	82.0
BO-JAC 6071(SX)	1.6	1.8	3.8	2.4	121.7	65.4*	58.6	81.9
LYNNVILLE RS-2240(SX)	0.0	3.0	10.9	4.6	143.3*	64.6*	37.7	81.8
PAYMASTER 8201(SX)##	2.1	11.7	5.3	6.3	135.5	50.1	59.9	81.8
MCCURDY 7676(SX)	3.8	15.8	9.9	9.8	140.1*	52.3	52.4	81.6
SHISSLER GR8 194(SX)	1.1	4.6	10.6	5.4	140.3*	52.9	51.5	81.5
NC+ 5990(SX)	2.2	2.3	1.1	1.8	127.8	54.1	62.4*	81.4
WILSON EXP.305(SX)	0.6	3.9	4.9	3.1	132.2	56.7	55.5	81.4
WILSON 1700(SX)	1.1	0.5	3.2	1.6	140.4*	52.7	49.9	81.0
HORIZON 861(SX)	2.7	7.5	14.5	8.2	136.8	53.9	52.2	80.9
DEKALB-PFIZER DK727(SX)	2.1	4.4	1.1	2.5	130.9	61.9	50.1	80.9
EK PREMIUM EK 8896(SX)	0.5	5.2	9.0	4.9	135.5	60.0	46.3	80.6
DEKALB-PFIZER XL-72AA(SX)##	0.5	8.5	3.7	4.2	138.6*	45.0	57.8	80.4

TABLE 7. CONTINUED.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	FAIRFAX	SPICKRD	GREENLY	MEAN	FAIRFAX	SPICKRD	GREENLY	MEAN
NC+ 8331(SX)	1.1	2.4	12.2	5.2	141.8*	52.8	46.8	80.4
ASGROW RX777(SX)	1.7	8.0	5.7	5.1	125.8	60.6	54.9	80.4
STURDY GROW 805A(SX)	2.8	9.3	5.3	5.8	128.3	57.6	53.9	79.9
MCALLISTER SX7300B(SX)	1.2	1.2	8.7	3.7	143.6*	44.0	52.1	79.9
BURRUS BX 28(SX)	1.2	1.9	4.0	2.3	133.0	53.5	52.9	79.8
PAYMASTER 6990(SX)	1.1	2.8	3.0	2.3	126.9	55.4	57.0	79.7
WILSON 1800B(SX)	2.2	3.3	7.3	4.2	127.6	56.6	54.5	79.5
TRIUMPH 1580(SX)	0.0	4.9	3.2	2.7	127.0	50.4	61.0	79.4
PAG SX 354(SX)	1.2	7.3	5.3	4.6	135.8	53.2	48.7	79.2
SUPER CROST 7600(SX)	2.9	1.2	12.6	5.5	151.7*	42.2	43.5	79.1
LEWIS 6140(SX)	2.3	1.7	2.2	2.0	126.1	51.5	58.4	78.6
SUPER CROST 6340(SX)	1.5	1.7	2.3	1.8	122.6	59.0	54.0	78.5
JACQUES 8400(SX)	3.0	4.6	11.5	6.3	135.0	57.6	42.7	78.4
MFA 6708(SPX)##	6.1	4.9	4.9	5.3	119.1	61.4	53.7	78.0
PRIZE EXP.207(SX)	0.0	0.5	2.9	1.1	127.9	57.4	47.9	77.7
RANDELL 7115(SX)	0.6	3.5	2.5	2.2	129.3	48.9	52.7	76.9
KITCHEN KSC 516(SX)	0.5	6.4	6.2	4.3	138.5	49.7	42.6	76.9
PAG SX 351(SX)	5.3	1.5	4.4	3.7	132.2	53.5	44.6	76.7
PIONEER 3475(SX)	0.0	4.0	1.2	1.7	139.8*	44.1	45.8	76.5
SHISSLER GR8 196(SX)	1.1	3.0	3.4	2.5	135.8	48.0	45.7	76.5
DOCKENDROFF 7378(SX)	1.0	4.6	3.7	3.1	123.9	57.0	48.5	76.4
FUNK'S G-4673A(MSX)	2.1	4.6	7.7	4.8	140.4*	44.3	43.7	76.1
LEWIS X94B(SX)	0.7	2.6	1.2	1.5	127.5	59.9	40.5	75.9
EK PREMIUM EK 7796(SX)	1.0	3.1	2.9	2.3	125.7	55.3	46.8	75.9
LEWIS X74B(SX)	0.0	3.6	5.5	3.0	126.5	49.9	49.7	75.3
AMERICANA 4640(SX)	1.5	3.3	3.3	2.7	128.2	51.1	45.4	74.9
MFA 6709(SX)	2.5	4.4	10.5	5.8	117.4	54.7	52.1	74.7
RING AROUND RA 1511(SX)	1.9	2.2	5.7	3.2	117.1	58.2	48.9	74.7
RING AROUND RA 1502(SX)	1.0	3.9	4.8	3.2	134.0	40.3	50.0	74.7
HAPPEL 8366(SX)	2.6	1.6	2.9	2.3	124.4	46.9	51.0	74.1
GOLDEN HARVEST H-2695(3X)	5.3	5.6	7.2	6.0	123.7	59.3	37.4	73.4
STURDY GROW 827A(SX)	3.7	2.1	2.4	2.7	123.9	49.3	46.8	73.3
POCKLINGTON P-321(SX)	1.1	2.7	3.3	2.3	123.7	50.6	45.4	73.2
CARGILL 967(SX)##	2.8	2.2	2.4	2.4	122.0	52.0	45.0	73.0
DEKALB-PFIZER 6261(SX)	1.6	1.8	1.0	1.4	125.0	50.4	42.8	72.7
BURRUS BX 34(SX)	1.6	2.5	1.8	1.9	133.4	40.2	44.7	72.7
DEKALB-PFIZER XL-73(SX)	0.5	6.3	12.9	6.5	139.2*	41.1	36.7	72.3
AGRIPRO HP555(SX)	1.7	7.2	8.6	5.8	114.7	49.4	52.4	72.1
POCKLINGTON PM-71(SX)	0.6	1.3	2.6	1.5	119.6	46.8	47.8	71.4
FUNK'S G-4669(SX)	4.0	1.8	5.0	3.6	123.0	49.4	39.9	70.7
CROW'S 690(SX)	1.1	5.3	5.0	3.8	128.5	51.2	32.1	70.6
POCKLINGTON P-601A(SX)	1.0	3.8	6.9	3.9	123.6	43.2	43.8	70.2
GOLDEN HARVEST H-2680(SX)	3.7	4.4	9.1	5.7	127.4	43.5	37.7	69.5
WAC WCX 8103(SX)#	3.2	5.9	8.0	5.7	100.1	68.1*	39.8	69.3
KITCHEN KSC 518(SX)	2.1	4.0	12.0	6.0	119.6	38.6	49.6	69.2
HAPPEL 3361-A(SX)	2.6	5.0	5.2	4.2	112.8	42.8	48.4	68.0
POCKLINGTON P-6392(3X)	1.5	3.4	5.3	3.4	132.5	36.9	34.2	67.8
STURDY GROW 829A(SX)	0.5	5.7	5.1	3.7	122.0	44.0	33.6	66.5
DEKALB-PFIZER EXP369(SX)	4.6	1.3	1.6	2.5	122.4	44.8	29.2	65.4
FUNK'S 6014X(MSX)	4.3	6.6	9.1	6.6	108.8	56.5	23.3	62.8
STURDY GROW 912W(SX)#	5.4	13.2	14.2	10.9	94.3	47.0	28.7	56.6
US-13(DX)	16.0	12.2	8.8	12.3	87.0	48.2	32.6	55.9
STURDY GROW 816(SX)	3.8	2.1	11.0	5.6	89.8	47.0	29.3	55.3
STURDY GROW 934W(3X)#	4.9	4.6	12.6	7.3	93.6	39.2	32.7	55.1
MATURITY GROUP 3								
PIONEER 3377(SX)##	0.5	1.6	1.7	1.2	135.1	73.9*	55.3	88.1*
WAC 923(SX)	2.1	1.8	4.8	2.9	136.4	62.1	59.6	86.0*
MCALLISTER SX6837(SX)	0.5	4.9	6.7	4.0	130.9	58.2	65.7*	84.9*
GARST 8388(SX)	2.1	1.2	2.8	2.0	144.8*	50.0	58.1	84.3*
GARST 8344(SX)	0.5	2.3	2.1	1.6	140.6*	57.6	54.6	84.2*
CROW'S 5L75(SX)	1.0	8.6	6.1	5.2	137.9	59.6	54.0	83.8*
GARST 8333(SX)	2.7	5.3	4.4	4.1	127.0	59.3	63.8*	83.3*
MOEWS SM 725(SX)	2.1	5.9	8.1	5.3	126.5	77.0**	45.3	82.9*
PIONEER 3378(SX)	0.6	3.6	2.4	2.2	130.8	63.8	49.0	81.2
TAYLOR-EVANS T-E 6996(SX)	4.7	6.3	9.4	6.8	138.0	61.2	43.8	81.0
GARST 8345(SX)	2.3	2.4	3.6	2.7	136.3	52.7	48.0	79.0
FONTANELLE 680(SX)	1.0	4.4	9.8	5.0	141.3*	52.5	42.4	78.7
PAYMASTER 7990(SX)	1.1	3.8	2.8	2.5	136.0	45.4	52.2	77.8
GARST 8373(SX)	0.5	4.1	4.9	3.1	134.1	44.9	52.7	77.2
NORTHROP KING PX 9609(SX)	2.8	4.7	6.9	4.8	129.6	48.3	49.4	75.7
PIONEER 3358(SX)##	0.0	2.2	2.9	1.7	128.0	58.0	38.8	74.9
MCALLISTER TX13AA(3X)	4.2	5.5	6.9	5.5	119.7	63.2	40.8	74.5
WAC 922(SX)	0.5	6.1	9.2	5.2	125.3	55.9	42.2	74.4
AGRIPRO HP771(SX)	1.5	4.4	6.6	4.1	124.5	54.3	40.7	73.1
FUNK'S G-4733(MSX)	1.7	4.1	3.6	3.1	131.3	46.7	31.6	69.8
TAYLOR-EVANS T-E 6998(SX)	3.2	3.1	7.9	4.7	132.5	44.2	31.1	69.2
IOWA-MISSOURI SX 20(SX)	1.0	3.9	10.0	4.9	125.8	45.0	31.8	67.5
MATURITY GROUP 4								
PIONEER 3183(SX)##	1.7	2.4	1.7	1.9	136.3	67.4*	42.6	82.1
PIONEER 3297(SX)	1.7	1.2	2.7	1.8	120.2	61.7	53.1	78.3
PIONEER 3184(SX)##	1.7	2.2	3.2	2.3	115.0	59.4	48.9	74.4
MOEWS SM 6440(SX)	3.4	2.8	6.0	4.0	132.6	33.6	35.7	67.3
TRIAL AVERAGE								
L.S.D. AT .05	1.9	4.4	5.8	4.0	131.7	55.0	50.8	79.1
					18.8	13.1	10.4	9.7

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 8. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR MARSHALL ON THE FRANK SWISHER FARM
 IN 1982-84.
 PLANTED: 11 MAY 1984. HARVESTED: 27 SEPTEMBER 1984. PLANTED POPULATION: 23,000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1984	1983	1982	1984	1983	1982
MATURITY GROUP 1								
JACQUES 7900(SX)	18700	21.5	34.8	--	--	174.0*	--	--
O'S GOLD 2570(SX)	19600	21.4	54.5	8.1	1.8	160.9	141.0	197.7**
FUNK'S G-4507(SX)	19400	20.5	55.5	4.5	2.0	160.1	160.1*	190.7*
JACQUES 8100(SX)	19700	20.6	38.2	--	--	156.0	--	--
O'S GOLD 2545(SX)	17400	21.1	60.7	--	--	152.9	--	--
FUNK'S 4029X(SX)	19300	20.1	57.6	--	--	152.8	--	--
FUNK'S G-4514(SX)	20200	20.7	45.7	3.1	0.5	148.7	121.6	176.2*
DEKALB-PFIZER T1100(SX)	18000	19.8	30.4	2.0	0.6	147.6	123.2	153.3
AMERICANA 3300(SX)	19300	22.0	61.9	2.5	--	146.4	132.4	--
GOLDEN HARVEST H-2500(SX)##	20800	20.9	42.3	4.1	0.7	145.5	154.3*	150.1
CARGILL 921(SX)	20900	18.8	31.5	3.3	0.0	144.7	151.6*	165.3*
CARGILL 937(SX)	19800	18.8	48.5	--	--	139.9	--	--
FUNK'S G-4522(MSX)##	18700	20.5	48.2	2.2	1.1	139.6	123.5	170.8*
FUNK'S G-4578(3X)	21000	22.4	34.1	2.4	2.9	136.8	113.3	139.3
AMERICANA 4100(SX)	19300	22.7	36.0	0.6	1.2	135.5	135.1	158.1
MFA 5204(SX)	19600	19.3	19.3	--	--	134.7	--	--
BO-JAC 381(SX)	19200	18.4	16.0	--	--	126.8	--	--
COKER 8575(SX)	21900	18.6	40.4	--	--	111.8	--	--
MATURITY GROUP 2								
PRIZE EXP. 206(SX)	20600	22.2	20.4	--	--	184.3*	--	--
GOLDEN HARVEST H-2695(3X)	20200	21.2	10.5	9.4	2.1	174.8*	135.1	148.3
O'S GOLD 5291(SX)	20300	21.8	40.7	4.6	1.3	169.5*	151.5*	170.3*
NC+ 6190(SX)	17700	20.3	44.9	4.5	0.0	168.9*	147.0*	174.9*
EK PREMIUM EK 7796(SX)	17700	19.9	30.0	--	--	167.8*	--	--
PAYMASTER 8201(SX)##	18700	20.8	61.0	5.9	0.0	164.6	143.8	143.6
LEWIS X74B(SX)	19800	23.0	20.6	1.7	0.7	163.8	130.7	165.8*
KITCHEN KSC 516(SX)	18100	24.5	52.9	11.2	4.3	162.3	132.8	166.8*
EK PREMIUM EK 8896(SX)	20000	21.4	18.1	--	--	161.9	--	--
RING AROUND RA 1502(SX)	19300	21.6	23.1	3.8	0.0	160.7	138.9	154.7
LYNKS LX 4500(SX)	18800	22.2	31.8	1.3	1.9	160.5	105.0	156.6
EK PREMIUM EK 8805(SX)	18900	20.8	39.5	--	--	160.3	--	--
PAG SX 352(SX)	19800	21.5	39.7	--	--	160.3	--	--
SUPER CROST 7600(SX)	20500	22.9	18.0	4.6	--	159.4	110.1	--
KITCHEN KSC 513(SX)	18900	21.8	34.0	2.4	5.1	159.4	146.6*	162.4*
SHISSLER GR8 196(SX)	20300	22.9	27.5	--	--	159.2	--	--
DEKALB-PFIZER XL-72AA(SX)##	18700	21.6	37.9	1.7	0.0	157.5	138.8	170.9*
GROAGRI GSC 2333(SX)	20600	20.8	34.6	--	--	157.0	--	--
BO-JAC 562(SX)	19100	22.6	40.4	1.6	0.0	156.7	149.5*	181.7*
STAUFFER S7795(SX)	17500	21.5	46.5	--	0.0	156.7	--	175.6*
AMERICANA 4640(SX)	21600	22.0	37.1	2.3	0.7	156.5	134.4	180.8*
LYNKS LX 4355(SX)	18800	19.9	22.4	5.3	2.9	155.3	163.6*	154.1
STAUFFER S7759(SX)	18600	22.0	34.0	1.4	1.9	155.2	163.6*	166.8*
GROAGRI GSC 2212(SX)	18900	22.2	34.7	--	--	154.8	--	--
POCKLINGTON PM-51(SX)	19200	20.8	25.4	--	--	154.3	--	--
POCKLINGTON PM-641(SX)	19200	22.2	27.4	--	--	154.0	--	--
STONE SX41(SX)	20200	21.4	28.8	2.2	--	153.5	136.3	--
PAG SX 351(SX)	22100	21.0	31.9	--	0.0	152.3	--	182.0*
NORTHROP KING PX 9581(SX)	19300	23.5	26.0	2.4	1.1	151.7	131.6	176.7*
JACQUES 8400(SX)	20400	23.0	53.2	4.5	--	151.7	146.2*	--
MCCURDY 7800(SX)	17900	23.7	63.0	--	--	151.2	--	--
TRIUMPH 1580(SX)	21600	21.4	46.8	--	--	151.0	--	--
DEKALB-PFIZER EXP369(SX)	20600	21.4	32.6	--	--	150.3	--	--
DEKALB-PFIZER DK656(SX)	18900	20.2	29.4	7.5	--	150.3	156.7*	--
BO-JAC 601(SX)	17500	20.6	13.9	1.7	--	150.0	166.9*	--
AMERICANA 4730(SX)	20200	23.5	26.3	5.7	0.0	148.9	117.9	148.5
NIEMEYER N-116(SX)	19800	22.5	47.5	--	--	148.9	--	--
GROAGRI GSC 2355(SX)	23000	25.6	57.7	--	--	148.6	--	--
PRIZE 2020(SX)	19900	23.5	11.3	--	--	148.2	--	--
SHISSLER GR8 194(SX)	19200	22.6	26.0	--	--	147.8	--	--
RING AROUND RA 1604(SX)	19600	23.1	21.0	2.8	0.0	147.8	148.5*	153.9
CARGILL 967(SX)##	20400	20.1	22.0	7.4	3.8	147.7	120.9	171.7*
PAG SX 354(SX)	18200	22.7	3.2	15.5	--	147.7	141.8	--
GOLDEN HARVEST H-2680(SX)	19800	24.3	31.2	4.9	1.2	147.5	148.4*	165.5*
FEDERAL FX40A(SX)	19200	21.0	16.4	--	4.3	147.3	--	170.5*
AMERICANA C479(SX)	16000	20.2	20.8	--	--	147.1	--	--
RING AROUND RAX 3514(SX)	18100	20.5	12.5	--	--	146.9	--	--
MFA 6708(SPX)##	19400	21.5	27.4	14.9	3.2	146.6	143.9	154.8
ASGROW RX777(SX)	17600	19.1	49.9	3.1	7.8	146.0	138.3	155.5
LEWIS X59B(SX)	16400	20.5	19.5	2.1	--	146.0	156.6*	--
CARGILL 955(SX)	18300	20.7	21.6	1.9	--	145.5	147.1*	--
SUPER CROST 6340(SX)	16800	22.0	44.8	--	--	145.1	--	--
LEWIS 5910(SX)	18900	20.6	58.6	--	--	144.4	--	--
POCKLINGTON P-6331A(SX)	19400	20.1	41.3	--	--	144.0	--	--
STAUFFER 114+(SX)	17100	22.6	21.4	1.3	1.1	143.5	160.8*	174.5*
MCCURDY 7787(SX)	17600	22.3	23.5	3.6	0.0	143.2	140.1	170.4*
GROAGRI GSC 2216(SX)	15700	21.2	36.8	--	--	142.6	--	--
DEKALB-PFIZER DK727(SX)	20500	24.3	50.6	5.9	0.5	142.4	161.1*	153.9
PRAIRIE STREAM SX710(SX)	19800	23.6	17.9	--	--	141.1	--	--
DEKALB-PFIZER EXP464(SX)	18800	23.3	17.0	--	--	140.5	--	--

TABLE 8. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1984	1984	1984	1983	1982	1984	1983	1982
RING AROUND RA 1505(SPX)	20800	21.0	29.2	--	--	138.0	--	--
MFA 6709(SX)	18500	22.1	31.0	--	--	137.7	--	--
NIEMEYER N-114(SX)	18000	20.5	40.9	2.5	--	137.1	135.4	--
PAYMASTER 7190(SX)	19800	19.8	56.0	4.2	--	136.1	130.2	--
FUNK'S G-4669(SX)	18800	22.9	33.5	--	--	133.6	--	--
RING AROUND RA 1505C(SX)	20500	20.7	30.0	--	--	132.7	--	--
KITCHEN KSC 518(SX)	22500	20.1	59.0	1.1	--	131.8	149.0*	--
STONE SX36(SX)	15800	21.7	30.9	--	--	131.6	--	--
FUNK'S 6014X(MSX)	18900	21.6	32.4	--	--	131.2	--	--
LEWIS X94B(SX)	16300	22.3	56.2	1.1	--	130.5	153.1*	--
FUNK'S G-4673A(MSX)	18700	22.6	16.5	9.0	0.5	130.5	139.1	171.0*
MFA 6712(SPX)	19100	20.5	44.5	--	--	129.9	--	--
DEKALB-PFIZER XL-72B(SX)	19700	19.8	19.7	4.0	0.7	129.5	121.7	169.4*
RING AROUND RA 1512(SPX)	18500	20.9	36.8	--	--	128.4	--	--
MFA 6707(SX)	19300	21.2	47.3	16.8	0.0	124.8	143.5	163.8*
PRIZE EXP. 207(SX)	14600	20.0	17.6	--	--	122.2	--	--
US-13(DX)	19700	18.1	56.5	25.5	15.9	106.4	100.5	130.2
MATURITY GROUP 3								
CARGILL 980(SX)	20300	22.9	42.2	9.0	--	167.1*	138.3	--
PIONEER 3377(SX)##	19700	19.0	30.5	0.5	0.0	164.7	144.5	182.0*
GARST 8344(SX)	18900	20.3	22.6	--	--	156.4	--	--
GARST 8388(SX)	19200	20.6	14.5	--	--	155.1	--	--
PAYMASTER 7990(SX)	21100	21.4	34.4	--	--	153.0	--	--
LEWIS 8110(SX)	21700	22.0	14.9	--	--	150.9	--	--
GARST 8345(SX)	19300	20.8	35.8	--	--	149.7	--	--
PIONEER 3358(SX)##	19700	20.0	14.2	0.6	1.2	149.2	131.2	170.2*
FUNK'S G-4733(MSX)	16900	24.2	6.2	9.3	1.8	148.2	111.2	168.0*
NIEMEYER N-118(SX)	19800	23.3	32.1	4.2	--	147.2	132.3	--
PIONEER 3378(SX)	20200	18.9	5.6	--	--	146.9	--	--
TAYLOR-EVANS T-E 6998(SX)	21200	24.4	42.6	3.7	1.9	145.7	150.6*	146.7
GARST 8373(SX)	20600	20.4	6.4	--	--	144.0	--	--
GARST 8333(SX)	17900	22.3	78.4	--	--	143.0	--	--
COKER 21(SX)	16400	24.2	9.2	--	0.6	141.7	--	159.0
NORTHRUP KING PX 9609(SX)	18700	22.9	24.2	5.4	1.2	141.4	116.4	142.7
TAYLOR-EVANS T-E 6996(SX)	18700	24.8	38.4	5.5	--	141.1	130.3	--
DEKALB-PFIZER DK747(SX)	16800	23.1	13.9	10.8	--	135.6	131.6	--
SHISSLER GR8 199(3X)	18700	22.7	23.2	--	--	132.7	--	--
ASGROW RX114(3X)	19200	20.4	43.8	--	--	111.8	--	--
MATURITY GROUP 4								
PIONEER 3183(SX)##	20300	23.6	17.6	6.9	0.0	186.9**	160.3*	161.9*
PIONEER 3184(SX)##	18700	22.5	18.3	3.8	1.3	155.4	140.3	147.8
PIONEER 3297(SX)	19600	21.7	8.9	--	--	152.4	--	--
NORTHRUP KING PX 9692(SX)	19900	24.6	45.5	9.4	--	145.8	112.4	--

TRIAL AVERAGE	19200	21.5	32.9	5.2	2.0	147.8	135.6	158.3
L.S.D. AT .05						20.0	31.9	37.3

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROWN HYBRID.

TABLE 9. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER IN 1982-84. PLANTED: 2 MAY 1984. HARVESTED: 20 SEPTEMBER 1984. PLANTED POPULATION: 23,000.

BRAND-HYBRID	PLANTS (#/ACRE)		MOIST (%)			LGDGING (%)			YIELD (BU/ACRE)		
	1984	1984	1984	1983	1982	1984	1983	1982	1984	1983	1982
Maturity Group 1											
O'S GOLD 2545(SX)	19800	22.0	5.4	--	--	97.3*	--	--			
O'S GOLD 2570(SX)	18200	22.7	2.0	34.1	39.9	95.3*	96.3*	140.5*			
FUNK'S G-4507(SX)	20400	23.1	10.1	8.4	32.1	93.6*	78.3	128.3*			
JACQUES 8100(SX)	18600	24.8	8.8	--	--	88.5*	--	--			
MFA 5204(SX)	19400	18.8	6.1	--	--	87.0*	--	--			
DEKALB-PFIZER T1100(SX)	20300	23.8	6.8	10.1	28.1	86.5*	83.6	100.8			
CARGILL 921(SX)	19600	21.1	15.4	6.4	22.9	86.4*	82.5	106.7			
COKER 8575(SX)	17700	20.1	5.3	--	--	83.7*	--	--			
BO-JAC 381(SX)	18000	17.0	2.6	--	--	83.0*	--	--			
AMERICANA 3300(SX)	18600	24.1	9.5	7.0	--	82.8*	93.5*	--			
FUNK'S G-4522(MSX)##	19100	22.1	7.5	7.5	33.2	81.4	91.9*	128.0*			
AMERICANA 4100(SX)	18100	23.4	4.2	1.7	11.2	80.2	77.2	112.9			
FUNK'S G-4578(SX)	19300	23.0	10.7	7.4	44.5	76.4	81.7	119.4*			
FUNK'S 4029X(SX)	19400	20.3	0.5	--	--	76.2	--	--			
JACQUES 7900(SX)	16800	23.8	6.4	--	--	74.1	--	--			
FUNK'S G-4514(SX)	19200	21.5	12.1	13.7	38.6	73.2	68.7	99.5			
GOLDEN HARVEST H-2500(SX)##	17600	22.3	12.1	6.3	16.7	70.4	91.1*	134.4*			
CARGILL 937(SX)	19400	22.8	25.5	--	--	67.2	--	--			
Maturity Group 2											
DEKALB-PFIZER EXP464(SX)	19200	23.0	2.0	--	--	98.4**	--	--			
LEWIS X94B(SX)	19800	24.0	1.6	7.8	--	98.0*	85.6*	--			
STONE SX36(SX)	14600	25.0	3.3	--	--	97.9*	--	--			
SUPER CROST 6340(SX)	20600	24.8	2.9	--	--	97.4*	--	--			
NIEMEYER N-116(SX)	17000	25.1	2.1	--	--	95.7*	--	--			
STAUFFER S7759(SX)	19800	22.2	2.6	14.7	25.3	93.2*	75.2	119.4*			
PRIZE EXP.206(SX)	19800	22.5	10.3	--	--	92.8*	--	--			
PAG SX 351(SX)	19200	23.0	5.3	--	46.6	91.1*	--	103.8			
STAUFFER S7795(SX)	18600	21.2	12.2	--	49.1	90.6*	--	105.0			
RING AROUND RAX 3514(SX)	18100	23.9	3.2	--	--	90.2*	--	--			
POCKLINGTON PM-51(SX)	18000	23.3	3.3	--	--	90.0*	--	--			
GROAGRI GSC 2212(SX)	18200	24.9	5.6	--	--	89.7*	--	--			
PAG SX 352(SX)	20500	23.2	6.4	--	--	89.1*	--	--			
GOLDEN HARVEST H-2695(SX)	16800	27.2	5.1	24.0	45.4	88.3*	76.8	110.5			
STONE SX41(SX)	20200	25.3	9.2	27.4	--	87.1*	89.8*	--			
MFA 6709(SX)	15100	25.3	7.8	--	--	86.8*	--	--			
EK PREMIUM EK 8805(SX)	19800	19.6	1.6	--	--	86.5*	--	--			
EK PREMIUM EK 7796(SX)	18800	22.4	7.0	--	--	85.8*	--	--			
KITCHEN KSC 513(SX)	15900	23.5	2.9	9.6	18.1	85.7*	105.1*	122.4*			
LYNKS LX 4355(SX)	18700	23.7	10.6	6.6	26.7	85.5*	97.7*	114.0			
RING AROUND RA 1505(SPX)	17400	24.9	4.6	--	--	85.4*	--	--			
PRIZE EXP.207(SX)	16200	23.7	4.1	--	--	85.0*	--	--			
TRIUMPH 1580(SX)	18200	24.8	4.5	--	--	84.4*	--	--			
PRAIRIE STREAM SX710(SX)	18600	23.3	7.0	--	--	83.6*	--	--			
BO-JAC 601(SX)	14200	24.5	3.1	7.2	--	83.4*	94.6*	--			
GROAGRI GSC 2355(SX)	17500	26.3	15.2	--	--	83.2*	--	--			
DEKALB-PFIZER DK656(SX)	19200	24.0	6.1	3.9	--	83.1*	85.7*	--			
MFA 6712(SPX)	17100	24.5	8.7	--	--	82.5	--	--			
DEKALB-PFIZER XL-72AA(SX)##	14800	24.2	2.8	8.9	25.6	82.3	82.8	97.0			
LEWIS 5910(SX)	19400	22.6	4.7	--	--	81.1	--	--			
O'S GOLD 5291(SX)	18500	24.4	9.9	34.3	70.3	80.7	83.1	106.4			
MFA 6707(SX)	17900	24.0	21.1	21.3	53.6	80.6	79.9	101.9			
DEKALB-PFIZER DK727(SX)	15800	25.4	2.9	14.2	36.1	80.5	85.3	122.2*			
CARGILL 955(SX)	18700	22.8	5.4	2.7	--	80.1	84.1	--			
LEWIS X59B(SX)	19100	22.3	2.9	2.7	--	80.0	80.1	--			
MCCURDY 7787(SX)	16900	24.5	2.9	27.4	34.6	80.0	84.4	142.6*			
MFA 6708(SPX)##	17000	23.5	15.5	32.5	80.2	79.5	75.8	82.4			
FEDERAL FX40A(SX)	17600	22.1	6.0	--	--	78.6	--	107.5			
ASGROW RX777(SX)	17300	22.8	2.0	37.5	59.9	77.6	86.2*	103.8			
GROAGRI GSC 2333(SX)	18000	23.0	10.0	--	--	77.4	--	--			
EK PREMIUM EK 8896(SX)	19300	21.7	12.4	--	--	77.3	--	--			
GROAGRI GSC 2216(SX)	15300	23.7	9.5	--	--	76.9	--	--			
RING AROUND RA 1505C(SX)	17500	23.2	31.4	--	--	75.9	--	--			
NORTHROP KING PX 9581(SX)	18500	24.5	6.6	8.3	28.4	75.8	84.2	125.8*			
AMERICANA C479(SX)	11900	25.0	2.3	--	--	75.7	--	--			
AMERICANA 4640(SX)	17700	23.3	9.2	12.6	42.3	75.3	69.1	96.8			
CARGILL 967(SX)##	19300	25.5	7.6	10.9	55.8	74.7	91.6*	104.9			
STAUFFER 114+(SX)	16500	24.3	6.2	13.3	41.8	74.7	90.3*	123.1*			
FUNK'S G-4673A(MSX)	19400	25.6	7.3	23.1	30.2	74.4	72.0	123.3*			
AMERICANA 4730(SX)	17600	22.2	3.4	22.9	36.0	74.3	86.6*	101.7			
LEWIS X74B(SX)	17500	24.8	6.6	21.7	53.1	74.1	89.8*	95.2			
PAYMASTER 8201(SX)##	20300	22.5	8.4	8.9	27.2	73.5	92.9*	127.8*			
DEKALB-PFIZER XL-72B(SX)	16800	22.8	1.8	10.9	29.4	72.7	91.6*	141.7*			
POCKLINGTON P-6331A(SX)	18300	22.9	8.2	--	--	71.9	--	--			
LYNKS LX 4500(SX)	17000	24.0	5.8	27.0	58.3	71.9	97.3*	101.9			
PRIZE 2020(SX)	17600	24.0	8.9	--	--	71.4	--	--			
KITCHEN KSC 518(SX)	19100	25.1	10.9	3.7	--	71.4	87.2*	--			
PAYMASTER 7190(SX)	19600	20.9	16.0	20.7	--	71.4	88.4*	--			
RING AROUND RA 1604(SX)	19200	23.3	8.1	9.4	27.4	70.8	52.9	101.2			
FUNK'S G-4669(SX)	16500	26.8	5.5	--	--	70.2	--	--			

TABLE 9. CONTINUED.

BRAND-HYBRID	PLANTS		MOIST			LODGING			YIELD		
	(#/ACRE)	(%)	1984	1983	1982	1984	1983	1982	1984	1983	1982
PAG SX 354(SX)	17400	25.4	14.9	28.6	--	70.1	69.5	--			
MCCURDY 7800(SX)	18800	26.8	20.4	--	--	69.9	--	--			
RING AROUND RA 1502(SX)	18200	25.0	7.1	23.0	37.4	69.7	70.7	103.8			
POCKLINGTON PM-641(SX)	15400	26.2	3.0	--	--	69.7	--	--			
US-13(DX)	15300	25.4	12.5	31.0	89.0	69.4	60.4	78.8			
NC+ 6190(SX)	19700	24.0	22.4	6.7	18.8	68.8	105.9**	125.7*			
DEKALB-PFIZER EXP369(SX)	18300	24.6	2.8	--	--	67.7	--	--			
RING AROUND RA 1512(SPX)	16500	22.8	20.2	--	--	67.2	--	--			
SHISSLER GR8 196(SX)	20600	24.0	15.0	--	--	65.8	--	--			
SUPER CROST 7600(SX)	18000	25.0	9.2	17.4	--	64.9	84.2	--			
JACQUES 8400(SX)	17300	25.3	20.4	14.4	--	64.2	89.7*	--			
BO-JAC 562(SX)	17100	24.2	14.8	20.1	46.3	63.5	95.0*	109.7			
NIEMEYER N-114(SX)	16500	23.7	5.2	1.4	--	63.3	91.1*	--			
KITCHEN KSC 516(SX)	18700	24.5	27.9	17.6	35.9	62.3	82.4	115.6			
GOLDEN HARVEST H-2680(SX)	18900	26.3	5.6	12.9	49.3	60.6	76.3	104.8			
SHISSLER GR8 194(SX)	19400	24.5	10.7	--	--	59.5	--	--			
FUNK'S 6014X(MSX)	18500	23.4	6.4	--	--	55.3	--	--			
MATURITY GROUP 3											
GARST 8333(SX)	18900	23.8	4.3	--	--	96.7*	--	--			
GARST 8388(SX)	17700	24.8	5.0	--	--	91.0*	--	--			
PIONEER 3358(SX)##	18100	22.5	1.8	9.3	38.3	90.5*	80.6	149.5**			
PIONEER 3377(SX)##	17100	20.5	5.5	5.8	19.7	87.4*	94.3*	108.7			
GARST 8345(SX)	18600	23.8	3.3	--	--	85.0*	--	--			
LEWIS 8110(SX)	18700	25.6	4.7	--	--	78.2	--	--			
PIONEER 3378(SX)	18800	19.5	0.6	--	--	75.4	--	--			
GARST 8344(SX)	17300	23.8	2.8	--	--	74.6	--	--			
PAYMASTER 7990(SX)	18300	22.7	4.1	--	--	74.4	--	--			
GARST 8373(SX)	18700	24.6	6.0	--	--	73.4	--	--			
NIEMEYER N-118(SX)	17900	23.8	10.0	9.8	--	73.0	79.6	--			
CARGILL 980(SX)	19400	26.8	4.4	32.7	--	71.9	65.9	--			
TAYLOR-EVANS T-E 6996(SX)	15100	28.5	7.8	10.2	--	71.1	81.3	--			
FUNK'S G-4733(MSX)	20200	27.2	10.8	23.7	24.5	65.9	69.1	109.9			
DEKALB-PFIZER DK747(SX)	16800	26.5	8.0	9.6	--	64.0	79.7	--			
COKER 21(SX)	19400	26.3	3.7	--	48.8	63.4	--	124.7*			
NORTHRUP KING PX 9609(SX)	18700	23.8	7.8	13.7	73.5	61.9	72.7	116.0			
TAYLOR-EVANS T-E 6998(SX)	17400	27.7	6.8	17.4	40.7	61.9	69.2	95.0			
SHISSLER GR8 199(3X)	19900	24.6	9.1	--	--	59.2	--	--			
ASGROW RX114(3X)	18200	25.0	10.8	--	--	47.7	--	--			
MATURITY GROUP 4											
PIONEER 3297(SX)	18800	22.3	1.9	--	--	91.4*	--	--			
PIONEER 3183(SX)##	18300	25.8	4.4	7.9	33.4	89.2*	97.2*	131.1*			
PIONEER 3184(SX)##	19700	23.9	2.4	3.5	53.6	80.7	63.8	115.3			
NORTHRUP KING PX 9692(SX)	17700	25.5	11.3	11.0	--	50.6	61.1	--			
TRIAL AVERAGE											
L.S.D. AT .05	18100	23.8	7.7	14.6	38.1	78.1	79.3	113.3			
						15.9	20.5	33.2			

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROWN HYBRID.

TABLE 10. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR O'FALLON ON THE RICHARD SCHIPPER FARM IN 1983-84 AND THE WELDON SPRING EXTENSION CENTER IN 1981. PLANTED: 4 MAY 1984. HARVESTED: 6 OCTOBER 1984. PLANTED POPULATION: 23,000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1984	1983	1981	1984	1983	1981
MATURITY GROUP 1								
O'S GOLD 2570(SX)	17700	20.8	1.3	32.7	6.6	179.2*	65.6*	117.5
FUNK'S G-4507(SX)	17100	20.8	0.7	25.0	11.9	166.8*	40.0	106.9
JACQUES 8100(SX)	17700	22.7	1.3	--	--	165.8*	--	--
MFA 5204(SX)	19200	19.5	0.6	--	--	162.2	--	--
FUNK'S G-4522(MSX)##	17400	21.7	1.5	4.5	4.4	160.8	50.8	80.2
FUNK'S G-4578(3X)	15900	21.1	0.7	4.1	--	155.5	48.5	--
CARGILL 937(SX)	17300	20.8	3.4	--	--	154.7	--	--
JACQUES 7900(SX)	15800	22.0	0.0	--	--	151.5	--	--
CARGILL 921(SX)	15900	20.7	2.9	10.3	2.3	149.6	33.4	103.0
FUNK'S G-4514(SX)	17500	21.9	0.0	4.1	--	147.6	49.0	--
GOLDEN HARVEST H-2500(SX)##	17400	21.0	1.3	9.6	7.0	147.3	33.2	102.9
AMERICANA 3300(SX)	16300	21.1	2.6	15.2	--	146.1	45.8	--
O'S GOLD 2545(SX)	14200	22.5	0.0	--	--	144.1	--	--
AMERICANA 4100(SX)	16400	24.3	0.6	8.3	15.7	143.3	33.2	84.0
COKER 8575(SX)	17900	20.4	0.6	--	--	143.0	--	--
FUNK'S 4029X(SX)	16200	19.1	0.0	--	--	141.1	--	--
DEKALB-PFIZER T1100(SX)	15300	20.2	0.0	3.7	4.6	141.0	30.1	85.7
BO-JAC 381(SX)	15800	18.2	2.1	--	--	114.3	--	--
MATURITY GROUP 2								
RING AROUND RA 1604(SX)	16600	24.0	0.7	1.5	1.4	186.4**	62.5	93.6
GOLDEN HARVEST H-2680(SX)	16800	25.5	0.6	14.5	7.3	178.1*	63.8*	103.0
LEWIS 5910(SX)	19700	20.8	0.0	--	--	177.7*	--	--
STAUFFER S7795(SX)	16800	21.3	4.2	--	2.0	175.9*	--	101.2
RING AROUND RA 1505(SPX)	18100	21.6	0.5	--	--	173.7*	--	--
DEKALB-PFIZER EXP369(SX)	17700	22.6	2.1	--	--	171.4*	--	--
FUNK'S G-4673A(MSX)	19300	23.8	1.8	8.5	--	170.3*	59.2*	--
SHISSLER GR8 196(SX)	15600	21.2	4.7	--	--	170.0*	--	--
PAG SX 352(SX)	15600	21.3	0.0	--	--	169.8*	--	--
GROAGRI GSC 2333(SX)	17300	20.8	0.6	--	--	169.6*	--	--
STONE SX41(SX)	18100	24.1	2.1	8.5	--	168.1*	50.5	--
PRIZE EXP.206(SX)	17700	21.6	2.0	--	--	166.8*	--	--
EK PREMIUM EK 8896(SX)	16300	23.2	1.2	--	--	166.1*	--	--
KITCHEN KSC 516(SX)	17600	23.5	2.0	7.6	--	166.1*	41.0	--
SHISSLER GR8 194(SX)	17000	24.0	1.4	--	--	165.9*	--	--
GOLDEN HARVEST H-2695(3X)	14700	24.8	1.7	13.8	--	164.9*	63.3*	--
PAYMASTER 8201(SX)##	18700	22.2	1.2	10.1	--	163.8*	40.8	--
EK PREMIUM EK 7796(SX)	16800	20.6	0.7	--	--	163.7*	--	--
STAUFFER 114+(SX)	16000	23.9	3.0	7.1	7.3	163.5	56.2*	105.4
LEWIS X59B(SX)	17700	23.5	2.7	15.2	--	163.4	52.6*	--
RING AROUND RA 1502(SX)	17300	22.1	2.2	2.0	5.3	162.3	36.0	108.0
MFA 6708(SPX)##	18200	22.2	0.6	9.5	29.5	162.2	54.1*	91.3
NORTHROP KING PX 9581(SX)	16400	22.3	5.9	7.1	--	161.6	49.2	--
DEKALB-PFIZER EXP464(SX)	14000	20.2	0.7	--	--	160.7	--	--
PAG SX 354(SX)	16200	23.3	0.0	1.6	--	160.5	44.7	--
AMERICANA 4640(SX)	16000	22.5	4.5	2.7	0.0	160.3	60.9*	110.7
JACQUES 8400(SX)	16600	24.0	0.8	31.7	--	160.0	65.3*	--
FUNK'S 6014X(MSX)	16500	23.1	2.9	--	--	158.7	--	--
O'S GOLD 5291(SX)	16200	25.1	1.4	8.6	4.6	158.6	46.6	108.4
SUPER CROST 7600(SX)	17700	24.0	1.4	8.9	--	158.5	57.6*	--
PRIZE 2020(SX)	16900	23.8	1.3	--	--	158.1	--	--
MFA 6707(SX)	15400	22.0	1.4	1.8	24.7	158.1	56.1*	101.5
MCCURDY 7800(SX)	17300	24.2	4.2	--	--	157.7	--	--
TRIUMPH 1580(SX)	15300	24.1	0.0	--	--	157.0	--	--
BO-JAC 601(SX)	14000	22.6	2.6	9.0	--	156.7	47.5	--
EK PREMIUM EK 8805(SX)	17400	21.0	2.1	--	--	156.2	--	--
POCKLINGTON P-6331A(SX)	17900	20.9	0.7	--	--	155.5	--	--
LYNKS LX 4355(SX)	18500	22.7	1.1	6.9	5.5	155.3	46.5	102.5
LEWIS X74B(SX)	16000	25.8	0.6	20.6	--	155.2	50.8	--
PAYMASTER 7190(SX)	17500	19.9	2.7	6.5	--	154.4	37.1	--
RING AROUND RA 1505C(SX)	16600	21.5	5.1	--	--	153.4	--	--
NIEMEYER N-116(SX)	17300	22.2	0.0	--	--	152.5	--	--
NC+ 6190(SX)	15400	22.0	2.5	11.6	--	151.9	48.0	--
CARGILL 955(SX)	16800	20.9	2.8	4.6	--	151.5	36.7	--
RING AROUND RAX 3514(SX)	16600	21.2	0.5	--	--	151.4	--	--
POCKLINGTON PM-51(SX)	15800	22.5	0.0	--	--	150.9	--	--
SUPER CROST 6340(SX)	17900	21.8	1.3	--	--	150.8	--	--
GROAGRI GSC 2355(SX)	15700	25.6	1.6	--	--	150.7	--	--
GROAGRI GSC 2216(SX)	16000	19.7	0.7	--	--	150.6	--	--
NIEMEYER N-114(SX)	13400	22.2	1.5	7.2	--	150.6	29.4	--
AMERICANA 4730(SX)	15900	24.3	0.7	5.6	4.4	150.1	50.4	95.5
CARGILL 967(SX)##	15300	24.1	2.1	9.1	24.6	149.7	35.9	92.8
KITCHEN KSC 518(SX)	15900	24.1	1.6	4.9	--	149.6	34.4	--
LYNKS LX 4500(SX)	15300	23.2	3.2	5.5	6.8	148.8	36.0	106.5
ASGROW RX777(SX)	15300	20.6	7.1	23.7	5.2	148.6	46.6	89.1
GROAGRI GSC 2212(SX)	15000	21.5	0.6	--	--	147.9	--	--
LEWIS X94B(SX)	15800	24.7	2.0	10.7	--	147.8	46.9	--
DEKALB-PFIZER XL-72AA(SX)##	13500	21.5	0.0	19.1	12.7	147.4	37.3	100.9
FUNK'S G-4669(SX)	14700	23.0	0.7	--	--	147.0	--	--
DEKALB-PFIZER XL-72B(SX)	16800	23.0	1.3	17.5	1.8	146.9	73.9**	102.8

TABLE 10. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1984	1984	1984	1983	1981	1984	1983	1981
DEKALB-PFIZER DK656(SX)	15800	22.3	0.0	4.2	--	146.8	28.0	--
PRAIRIE STREAM SX710(SX)	15700	23.4	1.3	--	--	146.2	--	--
PAG SX 351(SX)	15100	22.5	3.9	--	5.0	145.9	--	81.7
POCKLINGTON FM-641(SX)	14700	22.9	0.7	--	--	144.5	--	--
MFA 6709(SX)	13000	24.5	0.9	--	--	142.4	--	--
KITCHEN KSC 513(SX)	15200	21.9	0.7	23.1	--	141.8	35.0	--
MCCURDY 7787(SX)	17100	23.5	3.9	14.7	6.0	141.2	31.6	104.3
FEDERAL FX40A(SX)	16500	24.6	0.0	--	--	140.9	--	--
DEKALB-PFIZER DK727(SX)	15700	25.0	0.8	15.0	--	140.5	59.4*	--
STAUFFER S7759(SX)	17100	23.1	0.5	10.7	4.8	140.3	44.5	92.9
STONE SX36(SX)	13500	20.8	0.0	--	--	137.7	--	--
PRIZE EXP. 207(SX)	13500	20.5	1.0	--	--	136.7	--	--
RING AROUND RA 1512(SPX)	13600	22.0	1.0	--	--	135.1	--	--
BO-JAC 562(SX)	15900	22.0	4.3	9.9	--	130.8	42.9	--
AMERICANA C479(SX)	13000	20.5	0.0	--	--	126.0	--	--
US-13(DX)	13600	20.8	10.9	42.1	23.1	124.4	47.0	66.4
MFA 6712(SPX)	15600	23.3	5.5	--	--	119.9	--	--
MATURITY GROUP 3								
LEWIS 8110(SX)	18500	25.0	2.3	--	--	176.2*	--	--
PIONEER 3358(SX)##	17300	23.5	0.6	12.5	--	173.1*	64.7*	--
ASGROW RX114(3X)	16500	24.6	3.3	--	--	172.9*	--	--
PAYMASTER 7990(SX)	17000	22.6	0.6	--	--	170.8*	--	--
FUNK'S G-4733(MSX)	16200	26.8	1.8	9.2	--	167.5*	38.8	--
COKER 21(SX)	16400	26.8	0.8	--	--	163.8*	--	--
GARST 8345(SX)	18900	21.9	0.6	--	--	162.6	--	--
NIEMEYER N-118(SX)	16300	23.0	1.6	8.4	--	159.0	32.6	--
GARST 8344(SX)	17700	21.3	0.0	--	--	158.3	--	--
TAYLOR-EVANS T-E 6998(SX)	18500	26.0	2.6	8.4	--	156.9	40.4	--
PIONEER 3378(SX)	15100	20.9	0.0	--	--	156.4	--	--
CARGILL 980(SX)	16800	23.6	2.8	18.1	--	154.5	43.5	--
GARST 8333(SX)	18700	23.3	0.6	--	--	153.5	--	--
PIONEER 3377(SX)##	15400	20.4	0.0	12.0	--	153.3	61.9*	--
NORTHROP KING PX 9609(SX)	19100	22.5	1.3	9.3	--	152.4	43.8	--
DEKALB-PFIZER DK747(SX)	15600	24.9	3.0	0.9	--	152.0	52.2*	--
TAYLOR-EVANS T-E 6996(SX)	17000	24.1	1.3	19.6	--	149.0	52.4*	--
GARST 8388(SX)	16800	21.1	0.0	--	--	147.7	--	--
GARST 8373(SX)	15100	21.8	1.4	--	--	147.2	--	--
SHISSLER GR8 199(3X)	16400	25.3	4.3	--	--	143.1	--	--
MATURITY GROUP 4								
PIONEER 3183(SX)##	18700	23.6	2.4	4.5	6.9	171.5*	61.1*	124.2*
PIONEER 3297(SX)	18000	21.0	0.0	--	--	167.7*	--	--
PIONEER 3184(SX)##	17000	25.3	0.7	32.9	2.4	158.7	63.9*	109.7
NORTHROP KING PX 9692(SX)	16400	26.8	0.7	4.6	--	140.5	42.9	--
TRIAL AVERAGE								
L.S.D. AT .05	16400	22.5	1.6	12.0	8.6	154.8	46.0	97.7
						22.9	23.1	20.5

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROWN HYBRID.

TABLE 11. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT THREE CENTRAL MISSOURI LOCATIONS (MARSHALL, COLUMBIA, AND O'FALLON) IN 1984. PLANTED POPULATION: 23000.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	MARSHAL	COLUMBA	O'FALLN	MEAN	MARSHAL	COLUMBA	O'FALLN	MEAN
MATURITY GROUP 1								
O'S GOLD 2570(SX)	54.5	2.0	1.3	19.2	160.9	95.3*	179.2*	145.1*
FUNK'S G-4507(SX)	55.5	10.1	0.7	22.1	160.1	93.6*	166.8*	140.1*
JACQUES 8100(SX)	38.2	8.8	1.3	16.1	156.0	88.5*	165.8*	136.7*
JACQUES 7900(SX)	34.8	6.4	0.0	13.7	174.0*	74.1	151.5	133.2
O'S GOLD 2545(SX)	60.7	5.4	0.0	22.0	152.9	97.3*	144.1	131.4
MFA 5204(SX)	19.3	6.1	0.6	8.6	134.7	87.0*	162.2	127.9
FUNK'S G-4522(MSX)##	48.2	7.5	1.5	19.0	139.6	81.4	160.8	127.2
CARGILL 921(SX)	31.5	15.4	2.9	16.6	144.7	86.4*	149.6	126.9
AMERICANA 3300(SX)	61.9	9.5	2.6	24.6	146.4	82.8*	146.1	125.1
DEKALB-PFIZER T1100(SX)	30.4	6.8	0.0	12.4	147.6	86.5*	141.0	125.0
FUNK'S 4029X(SX)	57.6	0.5	0.0	19.3	152.8	76.2	141.1	123.3
FUNK'S G-4514(SX)	45.7	12.1	0.0	19.2	148.7	73.2	147.6	123.1
FUNK'S G-4578(3X)	34.1	10.7	0.7	15.1	136.8	76.4	155.5	122.9
GOLDEN HARVEST H-2500(SX)##	42.3	12.1	1.3	18.5	145.5	70.4	147.3	121.0
CARGILL 937(SX)	48.5	25.5	3.4	25.8	139.9	67.2	154.7	120.6
AMERICANA 4100(SX)	36.0	4.2	0.6	13.6	135.5	80.2	143.3	119.6
COKER 8575(SX)	40.4	5.3	0.6	15.4	111.8	83.7*	143.0	112.8
BO-JAC 381(SX)	16.0	2.6	2.1	6.9	126.8	83.0*	114.5	108.1
MATURITY GROUP 2								
PRIZE EXP.206(SX)	20.4	10.3	2.0	10.9	184.3*	92.8*	166.8*	147.9*
GOLDEN HARVEST H-2695(3X)	10.5	5.1	1.7	5.7	174.8*	88.3*	164.9*	142.6*
STAUFFER S7795(SX)	46.5	12.2	4.2	20.9	156.7	90.6*	175.9*	141.0*
PAG SX 352(SX)	39.7	6.4	0.0	15.3	160.3	89.1*	169.8*	139.7*
EK PREMIUM EK 7796(SX)	30.0	7.0	0.7	12.5	167.8*	85.8*	163.7*	139.1*
O'S GOLD 5291(SX)	40.7	9.9	1.4	17.3	169.5*	80.7	158.6	136.2*
STONE SX41(SX)	22.8	9.2	2.1	13.3	153.5	87.1*	168.1*	136.2*
EK PREMIUM EK 8896(SX)	18.1	12.4	1.2	10.5	161.9	77.3	166.1*	135.1
RING AROUND RA 1604(SX)	21.0	8.1	0.7	9.9	147.8	70.8	186.4**	135.0
GROAGRI GSC 2333(SX)	34.6	10.0	0.6	15.0	157.0	77.4	169.6*	134.6
LEWIS 5910(SX)	58.6	4.7	0.0	21.1	144.4	81.1	177.7*	134.4
EK PREMIUM EK 8805(SX)	39.5	1.6	2.1	14.4	160.3	80.5*	156.2	134.3
PAYMASTER 8201(SX)##	61.0	8.4	1.2	23.5	164.6	73.3	163.8*	133.9
DEKALB-PFIZER EXP464(SX)	17.0	2.0	0.7	6.5	140.5	98.1**	160.7	133.2
RING AROUND RA 1505(SPX)	29.2	4.6	0.5	11.4	138.0	85.4*	173.7*	132.3
NIEMEYER N-116(SX)	47.5	2.1	0.0	16.5	148.9	95.0*	152.5	132.1
LYNKS LX 4355(SX)	22.4	10.6	1.1	11.3	155.3	85.5*	155.3	132.0
POCKLINGTON PM-51(SX)	25.4	3.3	0.0	9.5	154.3	90.0*	150.9	131.7
SHISSLER GR8 196(SX)	27.5	15.0	4.7	15.7	159.2	65.8	170.0*	131.6
SUPER CROST 6340(SX)	44.8	2.9	1.3	16.3	145.1	97.4*	150.8	131.1
LEWIS X74B(SX)	20.6	6.6	0.6	9.2	163.8	74.1	155.2	131.0
RING AROUND RA 1502(SX)	23.1	7.1	2.2	10.8	160.7	89.7	162.3	130.9
GROAGRI GSC 2212(SX)	34.7	5.6	0.6	13.6	154.8	89.7*	147.9	130.8
TRIUMPH 1580(SX)	46.8	4.5	0.0	17.1	151.0	84.4*	157.0	130.8
AMERICANA 4640(SX)	37.1	9.2	4.5	16.9	156.5	75.3	160.3	130.7
KITCHEN KSC 516(SX)	52.9	27.9	2.0	27.6	162.3	62.3	166.1*	130.2
BO-JAC 601(SX)	13.9	3.1	2.6	6.5	150.0	83.4*	156.7	130.0
LEWIS X59B(SX)	19.5	2.9	2.7	8.3	146.0	80.0	163.4	129.8
DEKALB-PFIZER EXP369(SX)	32.6	2.8	2.1	12.5	150.3	67.7	171.4*	129.8
NC+ 6190(SX)	44.9	22.4	2.5	23.2	168.9*	68.8	151.9	129.8
NORTHROP KING PX 9581(SX)	26.0	6.6	5.9	12.8	151.7	75.8	161.6	129.7
PAG SX 351(SX)	31.9	5.3	3.9	13.7	152.3	91.1*	145.9	129.7
STAUFFER S7759(SX)	34.0	2.6	0.5	12.3	155.2	93.2*	140.3	129.5
RING AROUND RAX 3514(SX)	12.5	3.2	0.5	5.4	146.9	90.2*	151.4	129.5
MFA 6708(SPX)##	27.4	15.5	0.6	14.5	146.6	79.5	162.2	129.4
DEKALB-PFIZER XL-72AA(SX)##	37.9	2.8	0.0	13.5	157.5	82.3	147.4	129.0
KITCHEN KSC 513(SX)	34.0	2.9	0.7	12.5	159.4	85.7*	141.8	128.9
GOLDEN HARVEST H-2680(SX)	31.2	5.6	0.6	12.4	147.5	60.6	178.1*	128.7
SUPER CROST 7600(SX)	18.0	9.2	1.4	9.5	159.4	64.9	158.5	127.6
GROAGRI GSC 2355(SX)	57.7	15.2	1.6	24.8	148.6	83.2*	150.7	127.5
STAUFFER 114+(SX)	21.4	6.2	3.0	10.2	143.5	74.7	163.5	127.2
LYNKS LX 4500(SX)	31.8	5.8	3.2	13.6	160.5	71.9	148.8	127.0
DEKALB-PFIZER DK656(SX)	29.4	6.1	0.0	11.8	150.3	83.1*	146.8	126.7
MCCURDY 7800(SX)	63.0	20.4	4.2	29.2	151.2	69.9	157.7	126.2
PAG SX 354(SX)	3.2	14.9	0.0	6.0	147.7	70.1	160.5	126.1
PRIZE 2020(SX)	11.3	8.9	1.3	7.1	148.2	71.4	158.1	125.9
CARGILL 955(SX)	21.6	5.4	2.8	9.9	145.5	80.1	151.5	125.7
LEWIS X94B(SX)	56.2	1.6	2.0	19.9	130.5	98.0*	147.8	125.4
JACQUES 8400(SX)	53.2	20.4	0.8	24.8	151.7	64.2	160.0	125.3
FUNK'S G-4673A(MSX)	16.5	7.3	1.8	8.5	130.5	74.4	170.3*	125.0
AMERICANA 4730(SX)	26.3	3.4	0.7	10.1	148.9	74.3	150.1	124.4
SHISSLER GR8 194(SX)	26.0	10.7	1.4	12.7	147.8	59.5	165.9*	124.4
ASGROW RX777(SX)	49.9	2.0	7.1	19.6	146.0	77.6	148.6	124.0
CARGILL 967(SX)##	22.0	7.6	2.1	10.5	147.7	74.7	149.7	124.0
POCKLINGTON P-6331A(SX)	41.3	8.2	0.7	16.7	144.0	71.9	155.5	123.8
PRAIRIE STREAM SX710(SX)	17.9	7.0	1.3	8.7	141.1	83.6*	146.2	123.6
GROAGRI GSC 2216(SX)	36.8	9.5	0.7	15.6	142.6	76.9	150.6	123.3
POCKLINGTON PM-641(SX)	27.4	3.0	0.7	10.3	154.0	69.7	144.5	122.7
STONE SX36(SX)	30.9	3.3	0.0	11.4	131.6	97.9*	137.7	122.4
MFA 6709(SX)	31.0	7.8	0.9	13.2	137.7	86.8*	142.4	122.3

TABLE 11. CONTINUED.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	MARSHAL	COLUMBA	O'FALLN	MEAN	MARSHAL	COLUMBA	O'FALLN	MEAN
FEDERAL FX40A(SX)	16.4	6.0	0.0	7.4	147.3	78.5	140.9	122.2
MCCURDY 7787(SX)	23.5	2.9	3.9	10.1	143.2	80.9	141.2	121.4
DEKALB-PFIZER DK727(SX)	50.6	2.9	0.8	18.1	142.4	30.5	140.5	121.1
MFA 6707(SX)	47.3	21.1	1.4	23.2	124.8	80.5	158.1	121.1
RING AROUND RA 1505C(SX)	30.0	31.4	5.1	22.1	132.7	75.9	153.4	120.6
PAYMASTER 7190(SX)	56.0	16.0	2.7	24.9	136.1	71.4	156.4	120.6
KITCHEN KSC 518(SX)	59.0	10.9	1.6	23.8	131.8	71.4	149.6	117.6
NIEMEYER N-114(SX)	40.9	5.2	1.5	15.8	137.1	63.3	150.6	117.0
BO-JAC 562(SX)	40.4	14.8	4.3	19.8	156.7	63.5	130.8	117.0
FUNK'S G-4669(SX)	33.5	5.5	0.7	13.2	133.6	70.2	147.0	116.9
DEKALB-PFIZER XL-72B(SX)	19.7	1.8	1.3	7.6	129.5	72.7	146.9	116.3
AMERICANA C479(SX)	20.8	2.3	0.0	7.7	147.1	75.7	126.0	116.2
FUNK'S 6014X(MSX)	32.4	6.4	2.9	13.9	131.2	55.3	158.7	115.0
PRIZE EXP.207(SX)	17.6	4.1	1.0	7.5	122.2	85.0*	136.7	114.6
MFA 6712(SPX)	44.5	8.7	5.5	19.5	129.9	82.5	119.9	110.7
RING AROUND RA 1512(SPX)	36.8	20.2	1.0	19.3	128.4	67.2	135.1	110.2
US-13(DX)	56.5	12.5	10.9	26.6	106.4	69.4	124.4	100.0
MATURITY GROUP 3								
PIONEER 3358(SX)##	14.2	1.8	0.6	5.5	149.2	90.5*	173.1*	137.6*
PIONEER 3377(SX)##	30.5	5.5	0.0	12.0	164.7	87.4*	153.3	135.1
LEWIS 8110(SX)	14.9	4.7	2.3	7.3	150.9	78.2	176.2*	135.1
PAYMASTER 7990(SX)	34.4	4.1	0.6	13.0	153.0	74.4	170.8*	132.7
GARST 8345(SX)	35.8	3.3	0.6	13.2	149.7	85.0*	162.6	132.4
GARST 8388(SX)	14.5	5.0	0.0	6.5	155.1	91.0*	147.7	131.2
CARGILL 980(SX)	42.2	4.4	2.8	16.4	167.1*	71.9	154.5	131.1
GARST 8333(SX)	78.4	4.3	0.6	27.7	143.0	96.7*	153.5	131.0
GARST 8344(SX)	22.6	2.8	0.0	8.4	156.4	74.6	158.3	129.7
FUNK'S G-4733(MSX)	6.2	10.8	1.8	6.2	148.2	65.9	167.5*	127.2
NIEMEYER N-118(SX)	32.1	10.0	1.6	14.5	147.2	73.0	159.0	126.4
PIONEER 3378(SX)	5.6	0.6	0.0	2.0	146.9	75.4	156.4	126.2
COKER 21(SX)	9.2	3.7	0.8	4.5	141.7	63.4	163.8*	122.9
TAYLOR-EVANS T-E 6998(SX)	42.6	6.8	2.6	17.3	145.7	61.9	156.9	121.5
GARST 8373(SX)	6.4	6.0	1.4	4.6	144.0	73.4	147.2	121.5
TAYLOR-EVANS T-E 6996(SX)	38.4	7.8	1.3	15.8	141.1	71.1	149.0	120.4
NORTHROP KING PX 9609(SX)	24.2	7.8	1.3	11.1	141.4	61.9	152.4	118.5
DEKALB-PFIZER DK747(SX)	13.9	8.0	3.0	8.3	135.6	64.0	152.0	117.2
SHISSLER GR8 199(3X)	23.2	9.1	4.3	12.2	132.7	59.2	143.1	111.6
ASGROW RX114(3X)	43.8	10.8	3.3	19.3	111.8	47.7	172.9*	110.8
MATURITY GROUP 4								
PIONEER 3183(SX)##	17.6	4.4	2.4	8.1	186.9**	89.2*	171.5*	149.2**
PIONEER 3297(SX)	8.9	1.9	0.0	3.6	152.4	91.4*	167.7*	137.1*
PIONEER 3184(SX)##	18.3	2.4	0.7	7.1	155.4	80.7	158.7	131.6
NORTHROP KING PX 9692(SX)	45.5	11.3	0.7	19.1	145.8	50.6	140.5	112.3
TRIAL AVERAGE								
L.S.D. AT .05	32.9	7.7	1.6	14.0	147.8	78.1	154.8	126.8
					20.0	15.9	22.9	13.4

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROWN HYBRID.

TABLE 12. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR CAPE GIRARDEAU ON THE JERRY LORBERG FARM IN 1982-84. PLANTED: 26 APRIL 1984. HARVESTED: 1 OCTOBER 1984. PLANTED POPULATION: 23100.

BRAND-HYBRID	PLANTS (#/ACRE)		LODGING (%)			YIELD (BU/ACRE)		
	1984	1984	1984	1983	1982	1984	1983	1982
MATURITY GROUP 1								
MCCURDY 7676(SX)	18900	18.4	2.4	--	--	149.4*	--	--
FUNK'S G-4522(MSX)##	18700	18.8	2.9	4.2	1.8	145.9*	78.8*	125.1
JACQUES 8100(SX)	18700	17.2	5.5	1.5	--	135.5*	63.3*	--
O'S GOLD 2570(SX)	20100	17.6	4.0	8.4	5.8	133.0*	54.1	158.1*
FUNK'S G-4507(SX)	18700	17.5	2.0	0.6	8.1	124.2	51.1	131.1
GOLDEN HARVEST H-2500(SX)##	19500	16.7	1.9	0.5	5.9	120.1	64.0*	134.7*
MATURITY GROUP 2								
EK PREMIUM EK 8805(SX)	18500	18.3	0.5	--	--	163.7**	--	--
FUNK'S G-4669(SX)	16000	18.8	2.8	--	--	155.0*	--	--
MFA 6707(SX)	18500	17.7	5.9	0.4	5.4	154.2*	68.3*	133.8
PAG SX 383(MSX)	18400	19.1	4.7	--	--	146.4*	--	--
DEKALB-PFIZER EXP464(SX)	17800	17.6	1.0	--	--	146.4*	--	--
RING AROUND RA 1502(SX)	19800	18.7	3.7	6.0	0.5	143.2*	55.9	135.4*
GOLDEN HARVEST H-2680(SX)	16800	19.8	3.4	2.5	6.3	141.3*	71.2*	135.4*
GROAGRI GSC 2212(SX)	17600	17.4	1.9	--	--	141.3*	--	--
DEKALB-PFIZER DK727(SX)	18500	20.6	1.9	0.0	4.6	139.8*	70.3*	132.5
PAG SX 351(SX)	18500	17.2	7.1	1.4	6.9	139.2*	50.2	159.5**
DEKALB-PFIZER DK656(SX)	18200	17.2	1.5	1.6	--	138.7*	24.0	--
PAG SX 354(SX)	17200	18.1	2.6	--	--	137.1*	--	--
EK PREMIUM EK 9920(SX)	18100	19.1	2.0	--	--	136.8*	--	--
RING AROUND RA 1505(SPX)	18300	18.4	6.5	--	--	136.4*	--	--
LYNKS LX 4480(SX)	18700	19.1	3.9	7.5	20.3	136.1*	60.7	148.6*
PAG SX 379(SX)	18900	20.1	2.8	--	--	135.3*	--	--
AGRATECH GK 850(SX)	18900	19.0	3.4	--	--	134.6*	--	--
FUNK'S 6014X(MSX)	18200	17.8	4.2	--	--	132.8*	--	--
RING AROUND RA 1512(SPX)	17800	18.4	1.5	--	--	132.6*	--	--
GROAGRI GSC 2355(SX)	18600	18.7	8.3	--	--	131.6*	--	--
GOLDEN HARVEST H-2675(SX)	18800	19.0	7.8	4.1	--	131.5*	42.7	--
DEKALB-PFIZER XL-72AA(SX)##	18900	17.1	0.9	1.2	4.0	130.4*	66.6*	127.2
PAG SX 352(SX)	18900	18.4	2.8	--	--	130.2*	--	--
GROAGRI GSC 2333(SX)	18200	18.2	6.9	--	--	129.9*	--	--
RING AROUND RA 1505C(SX)	18100	18.0	7.0	--	--	128.8*	--	--
RING AROUND RAX 3516(SX)	15200	17.4	0.0	--	--	128.4*	--	--
DEKALB-PFIZER XL-72B(SX)	18200	17.9	3.4	2.4	6.3	128.0*	37.8	178.2**
GROAGRI GSC 2216(SX)	16800	17.4	1.1	--	--	127.9*	--	--
JACQUES 8400(SX)	21000	18.0	5.2	--	--	127.5*	--	--
MCCURDY 84AA(SX)	19900	18.9	3.7	--	3.0	127.0*	--	136.0*
TRIUMPH 1580(SX)	18700	17.1	2.8	--	--	126.5*	--	--
RING AROUND RA 1604(SX)	19300	19.2	5.5	0.0	6.6	124.4	57.9	155.3*
CARGILL 967(SX)##	19100	17.5	2.9	1.4	5.4	123.8	55.9	165.1*
FUNK'S G-4673A(MSX)	19300	17.8	6.1	0.6	10.4	123.6	68.1*	148.9*
MFA 6712(SPX)	17800	17.8	2.6	--	--	122.9	--	--
MFA 6708(SPX)##	19000	17.9	7.8	1.2	7.6	122.5	53.5	141.4*
DEKALB-PFIZER EXP369(SX)	19100	17.5	7.6	--	--	122.2	--	--
PAG SX 333(SX)	16600	18.0	2.4	13.1	8.2	121.8	58.2	155.2*
O'S GOLD 5509(SX)	20400	19.1	5.7	3.2	7.2	120.8	51.1	133.3
GOLDEN HARVEST H-2695(SX)	19700	19.6	5.1	5.5	6.0	119.1	63.9*	130.3
NORTHROP KING PX 9581(SX)	19400	17.8	9.9	11.5	8.1	119.0	42.5	142.6*
COKER 19A(SPX)	18600	19.3	3.8	4.8	9.4	116.9	53.5	121.2
PAYMASTER 8201(SX)##	19500	16.4	6.6	1.9	5.5	116.8	56.5	152.9*
LYNKS LX 4488(SX)	19400	17.0	7.4	0.5	7.2	114.7	63.4*	136.0*
CARGILL 955(SX)	19900	17.7	1.3	1.8	--	111.0	49.6	--
AGRATECH GK 3912(SX)	19500	16.5	3.2	--	--	110.2	--	--
US-13(DX)	17900	17.6	17.4	13.7	56.0	96.3	54.1	94.7
MATURITY GROUP 3								
PRAIRIE STREAM SX730(SX)	17400	18.4	0.0	0.4	--	158.7*	39.4	--
TAYLOR-EVANS T-E 6998(SX)	17200	19.2	5.3	0.5	4.9	157.0*	48.4	124.4
PAYMASTER 7990(SX)	18800	18.3	5.0	--	--	154.9*	--	--
PIONEER 3192(SX)	17900	18.1	2.0	--	--	154.0*	--	--
DEKALB-PFIZER DK747(SX)	17100	20.0	2.0	0.4	--	152.4*	46.5	--
LYNKS LX 4545(SX)	18000	20.2	6.0	0.5	1.9	152.3*	73.0*	134.0
FUNK'S G-4734(MSX)	18700	20.2	4.3	3.1	--	152.0*	51.4	--
GARST 8388(SX)	18900	17.5	0.4	--	--	150.9*	--	--
GARST 8345(SX)	18100	17.3	1.0	--	--	150.0*	--	--
GARST 8344(SX)	17600	17.0	1.0	--	--	149.6*	--	--
PIONEER 3165(SX)	18100	18.3	2.5	1.7	--	147.8*	61.5	--
MCCURDY 8150(SX)	18900	19.3	7.1	--	6.5	146.4*	--	145.2*
PIONEER 3378(SX)	18300	15.6	1.0	--	--	144.9*	--	--
AGRATECH GK 925(SX)	19000	19.1	3.8	1.9	--	144.8*	61.2	--
COKER 21(SX)	18700	19.7	3.2	1.4	5.0	143.7*	64.1*	136.9*
TERRA EXP.1832(SX)	17900	19.0	0.9	--	--	137.6*	--	--
TAYLOR-EVANS T-E 6996(SX)	18200	17.6	13.4	7.0	--	136.4*	44.5	--
PIONEER 3377(SX)##	18500	15.9	2.4	--	--	135.8*	--	--
AGRATECH GK 900(SX)	18200	19.1	8.1	--	--	134.1*	--	--
PAYMASTER 8990(SX)	18700	17.7	4.2	5.0	--	133.6*	44.5	--
GARST 8373(SX)	17700	16.3	1.5	--	--	132.4*	--	--
PIONEER 3358(SX)##	19400	17.9	0.0	1.6	0.4	132.4*	43.0	143.1*

TABLE 12. CONTINUED.

BRAND-HYBRID	PLANTS		LODGING			YIELD		
	(#/ACRE)	MOIST (%)	1984	1983	1982	1984	1983	1982
CARGILL 980(SX)	16900	20.4	4.3	3.3	--	124.6	46.7	--
DEKALB-PFIZER DK789(SX)	17400	20.1	0.0	1.5	--	119.8	64.4*	--
FUNK'S G-4733(MSX)	19700	20.8	1.4	2.9	2.1	119.8	38.1	133.6
GARST 8333(SX)	17600	16.8	2.5	--	--	119.1	--	--
NORTHROP KING PX 9609(SX)	19400	18.2	9.3	1.3	--	110.9	45.2	--
DEKALB-PFIZER T1230(SX)	17900	18.7	4.6	0.6	3.2	101.3	46.2	143.6*
ASGROW RX114(3X)	19000	17.6	6.8	3.7	--	100.9	30.0	--
MATURITY GROUP 4								
PIONEER 3297(SX)	17900	17.7	0.4	--	--	143.6*	--	--
PIONEER 3183(SX)##	17600	18.5	0.5	0.7	5.1	129.0*	57.2	170.6*
TERRA EXP. 1833(SX)	20000	19.8	3.6	--	--	128.0*	--	--
PIONEER 3184(SX)##	19500	18.8	1.3	1.0	3.6	123.7	21.9	161.2*
COKER 22(3X)	19100	19.4	3.3	4.4	5.5	119.9	50.2	152.6*
NORTHROP KING PX 9692(SX)	18100	20.5	10.3	4.8	--	113.6	21.5	--
TERRA TR-4405(SX)	17800	19.0	8.6	--	--	112.8	--	--
TRIAL AVERAGE	18400	18.3	4.0	3.2	6.3	132.5	50.8	137.3
L.S.D. AT .05						37.9	22.3	44.2

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROWN HYBRID.

TABLE 13. PERFORMANCE OF CORN HYBRIDS IRRIGATED NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER 1982-84. PLANTED: 1 MAY 1984. HARVESTED: 21 SEPTEMBER 1984. PLANTED POPULATION: 29,300.

BRAND-HYBRID	PLANTS (#/ACRE) 1984	MOIST (%) 1984	LODGING (%)			YIELD (BU/ACRE)		
			1984	1983	1982	1984	1983	1982
MATURITY GROUP 1								
O'S GOLD 2570(SX)	25800	26.5	0.9	10.9	--	205.8**	133.0	--
JACQUES 8100(SX)	25000	27.6	0.4	--	--	190.1*	--	--
GOLDEN HARVEST H-2500(SX)##	24400	25.1	1.5	13.1	5.9	187.3*	149.2*	163.6
FUNK'S G-4522(MSX)##	24500	28.8	1.5	8.6	8.1	180.6	176.8*	198.8*
LEWIS 5650(SX)	24200	25.2	0.4	--	--	180.5	--	--
SUPER CROST 5438(SX)	22700	25.5	0.0	--	5.5	167.6	--	187.5
FUNK'S G-4507(SX)	23100	26.4	2.0	14.2	31.8	165.5	138.2	170.7
O'S GOLD 2545(SX)	20800	25.3	2.7	--	--	147.6	--	--
MATURITY GROUP 2								
GROAGRI GSC 2212(SX)	27800	27.8	1.2	--	--	195.1*	--	--
STAUFFER 114+(SX)	23400	28.9	0.4	12.7	7.1	193.5*	158.2*	188.7
CARGILL 967(SX)##	21900	28.1	1.4	26.1	9.0	193.5*	130.8	183.8
POCKLINGTON PM-661A(SX)	23400	28.9	0.0	--	--	190.1*	--	--
PAG SX 351(SX)	22900	27.8	1.4	--	17.9	189.4*	--	185.2
TRIUMPH 1580(SX)	25500	24.9	1.8	--	--	189.2*	--	--
DEKALB-PFIZER EXP369(SX)	22800	31.4	0.4	--	--	189.2*	--	--
BO-JAC 603(SX)	25700	24.9	1.4	--	--	187.1*	--	--
GROAGRI GSC 2333(SX)	22000	27.5	0.5	--	--	186.9*	--	--
LYNKS LX 4355(SX)	26000	27.4	1.4	4.8	7.7	186.3*	164.9*	162.2
FUNK'S G-4673A(MSX)	25400	29.9	0.9	13.7	15.4	182.7	177.6*	180.5
AGRATECH GK 850(SX)	25600	29.5	0.9	--	--	182.3	--	--
PAYMASTER 8201(SX)##	26400	26.2	2.3	16.3	10.8	182.0	147.7*	190.1*
STONE SX41(SX)	22900	27.6	1.6	--	--	181.1	--	--
LYNKS LX 4500(SX)	22800	29.0	1.5	--	4.8	181.0	--	196.2*
DEKALB-PFIZER XL-72B(SX)	23700	29.1	1.0	6.4	10.9	180.6	169.5*	200.8*
SHISSLER GR8 194(SX)	24800	30.8	0.0	--	--	180.0	--	--
SHISSLER GR8 196(SX)	25100	28.6	2.0	--	--	179.9	--	--
ASGROW RX777(SX)	23300	25.0	2.7	--	--	178.5	--	--
AGRATECH GK 3912(SX)	22700	25.7	0.5	--	--	178.3	--	--
NC+ 6190(SX)	25200	27.1	1.4	13.4	--	177.1	166.0*	--
MFA 6708(SPX)##	24300	28.1	1.9	19.6	19.6	176.9	161.8*	198.8*
STAUFFER S6596(SX)	24400	32.1	0.0	--	--	176.6	--	--
NC+ 5990(SX)	20600	25.1	0.0	--	--	174.0	--	--
DEKALB-PFIZER DK656(SX)	21700	27.8	0.0	7.6	--	172.7	147.2	--
GROAGRI GSC 2216(SX)	20900	26.4	0.0	--	--	169.1	--	--
LYNKS LX 4488(SX)	25000	29.7	2.4	--	--	168.7	--	--
GOLDEN HARVEST H-2675(SX)	23700	30.6	1.0	--	--	168.6	--	--
EK PREMIUM EK 7796(SX)	24800	25.8	0.9	--	--	168.5	--	--
EK PREMIUM EK 8805(SX)	21000	26.4	1.0	--	--	167.2	--	--
PAG SX 352(SX)	22500	27.0	0.5	--	--	165.8	--	--
EK PREMIUM EK 8896(SX)	24900	29.1	6.3	--	--	164.5	--	--
GROAGRI GSC 2355(SX)	24200	35.8	1.0	--	--	163.7	--	--
SUPER CROST 7600(SX)	21400	30.8	0.0	--	--	162.0	--	--
POCKLINGTON PM-71(SX)	18900	26.6	2.6	--	--	161.3	--	--
DEKALB-PFIZER DK727(SX)	21000	32.5	0.6	8.2	12.2	161.2	156.9*	198.0*
STONE SX36(SX)	21000	27.9	0.0	--	--	160.9	--	--
STAUFFER S7759(SX)	22500	27.1	1.1	9.9	4.7	160.1	135.4	201.0*
MCCURDY 8020(SX)	25500	34.6	0.0	--	--	160.0	--	--
JACQUES 8400(SX)	23700	34.5	1.5	--	--	159.0	--	--
BO-JAC 601(SX)	18800	26.5	1.4	3.5	--	158.1	135.7	--
BO-JAC 6071(SX)	24000	31.5	0.9	--	--	155.1	--	--
DEKALB-PFIZER XL-72AA(SX)##	19300	26.5	0.6	4.6	15.2	149.9	153.7*	182.4
PRIZE EXP.207(SX)	21500	28.6	0.0	--	--	144.3	--	--
US-13(DX)	17000	28.3	13.6	34.4	52.4	122.1	94.9	113.6
MATURITY GROUP 3								
PIONEER 3378(SX)	24400	27.3	0.0	--	--	200.6*	--	--
PIONEER 3377(SX)##	24500	26.5	0.4	5.6	--	195.7*	153.9*	--
PAYMASTER 8990(SX)	24400	31.8	2.3	14.6	--	194.7*	143.5	--
GARST 8333(SX)	25000	27.8	0.9	--	--	190.4*	--	--
AGRATECH GK 900(SX)	24600	31.8	2.4	--	--	186.8*	--	--
PIONEER 3358(SX)##	24400	26.8	0.5	4.5	1.0	184.5*	186.0**	191.7*
GARST 8345(SX)	24800	25.0	2.0	--	--	183.1	--	--
AGRATECH GK 925(SX)	24500	34.8	0.4	14.9	--	178.0	115.2	--
PAYMASTER 7990(SX)	22600	29.1	1.1	--	--	170.6	--	--
CARGILL 980(SX)	20300	32.1	1.9	11.7	--	170.2	163.8*	--
PIONEER 3165(SX)	23800	38.9	0.5	7.3	--	167.5	159.0*	--
FUNK'S G-4733(MSX)	23200	31.8	0.5	20.1	9.8	166.4	121.6	202.7*
PRAIRIE STREAM SX730(SX)	24300	33.7	1.0	2.1	--	166.1	137.0	--
DEKALB-PFIZER DK747(SX)	23300	33.9	1.0	--	--	164.7	--	--
GARST 8344(SX)	22100	25.5	1.0	--	--	162.4	--	--
TERRA EXP.1832(SX)	26800	31.8	1.3	--	--	159.4	--	--
TAYLOR-EVANS T-E 6998(SX)	20800	34.2	1.5	12.9	7.3	157.6	105.8	179.2
DEKALB-PFIZER T1230(SX)	22900	34.7	0.0	--	--	157.0	--	--
TAYLOR-EVANS T-E 6996(SX)	22600	30.8	0.0	20.2	--	155.5	127.3	--
LEWIS 8110(SX)	20600	32.1	0.0	--	--	155.0	--	--
SHISSLER GR8 199(SX)	23300	31.2	2.4	--	--	143.0	--	--
PRINCETON SX 870(SX)	10400	34.5	0.0	14.8	11.4	127.2	95.1	178.4

TABLE 13. CONTINUED.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1984	1984	1984	1983	1982	1984	1983	1982
Maturity Group 4								
PIONEER 3184(SX)##	26300	31.0	0.0	2.1	8.6	199.7*	152.8*	186.8
PIONEER 3297(SX)	23700	27.5	1.6	--	--	192.5*	--	--
PIONEER 3183(SX)##	24800	33.3	0.5	8.7	10.4	187.6*	145.6	177.3
TERRA TR-4405(SX)	19700	35.1	1.9	--	--	162.5	--	--
TERRA EXP.1833(SX)	22200	37.7	6.2	--	--	150.8	--	--
TRIAL AVERAGE	23100	29.3	1.2	11.8	11.6	172.8	144.5	181.4
L.S.D. AT .05						22.7	38.5	41.7

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROWN HYBRID.

TABLE 14. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT COLUMBIA WITH IRRIGATION AND WITHOUT IRRIGATION IN 1984.
PLANTED POPULATIONS: NON-IRRIGATED 23000 AND IRRIGATED 29300.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	IRRIGAT	NON-IRR	MEAN	IRRIGAT	NON-IRR	MEAN		
Maturity Group 1								
O'S GOLD 2570(SX)	0.9	2.0	--	1.4	205.8**	95.3*	--	150.5**
JACQUES 8100(SX)	0.4	8.8	--	4.6	190.1*	88.5*	--	139.3*
FUNK'S G-4522(MSX)**	1.5	7.5	--	4.5	180.6	81.4	--	131.0
FUNK'S G-4507(SX)	2.0	10.1	--	6.0	165.5	93.6*	--	129.5
GOLDEN HARVEST H-2500(SX)**	1.5	12.1	--	6.8	187.3*	70.4	--	128.8
O'S GOLD 2545(SX)	2.7	5.4	--	4.0	147.6	97.3*	--	122.4
Maturity Group 2								
GROAGRI GSC 2212(SX)	1.2	5.6	--	3.4	195.1*	89.7*	--	142.4*
PAG SX 351(SX)	1.4	5.3	--	3.3	189.4*	91.1*	--	140.2*
TRIUMPH 1580(SX)	1.8	4.5	--	3.1	189.2*	84.4*	--	136.8*
LYNKS LX 4355(SX)	1.4	10.6	--	6.0	186.3*	85.5*	--	135.9*
STAUFFER 114+(SX)	0.4	6.2	--	3.3	193.5*	74.7	--	134.1*
CARGILL 967(SX)**	1.4	7.6	--	4.5	193.5*	74.7	--	134.1*
STONE SX41(SX)	1.6	9.2	--	5.4	181.1	87.1*	--	134.1*
GROAGRI GSC 2333(SX)	0.5	10.0	--	5.2	186.9*	77.4	--	132.1
STONE 5X36(SX)	0.0	3.3	--	1.6	160.9	97.9*	--	129.4
FUNK'S G-4673A(MSX)	0.9	7.3	--	4.1	182.7	74.4	--	128.5
DEKALB-PFIZER EXP369(SX)	0.4	2.8	--	1.6	189.2*	67.7	--	128.4
MFA 6708(SX)**	1.9	15.5	--	8.7	176.9	79.5	--	128.2
ASGROW RX777(SX)	2.7	2.0	--	2.3	178.5	77.6	--	128.0
DEKALB-PFIZER DK656(SX)	0.0	6.1	--	3.0	172.7	83.1*	--	127.9
PAYMASTER 8201(SX)**	2.3	8.4	--	5.3	182.0	73.5	--	127.7
PAG SX 352(SX)	0.5	6.4	--	3.4	165.8	89.1*	--	127.4
EK PREMIUM EK 7796(SX)	0.9	7.0	--	3.9	168.5	85.8*	--	127.1
EK PREMIUM EK 8805(SX)	1.0	1.6	--	1.3	167.2	86.5*	--	126.8
DEKALB-PFIZER XL-72B(SX)	1.0	1.8	--	1.4	180.6	72.7	--	126.6
STAUFFER 57759(SX)	1.1	2.6	--	1.8	160.1	93.2*	--	126.6
LYNKS LX 4500(SX)	1.5	5.8	--	3.6	181.0	71.9	--	126.4
GROAGRI GSC 2355(SX)	1.0	15.2	--	8.1	163.7	83.2*	--	123.4
GROAGRI GSC 2216(SX)	0.0	9.5	--	4.7	169.1	76.9	--	123.0
NC+ 6190(SX)	1.4	22.4	--	11.9	177.1	68.8	--	122.9
SHISSLER GR8 196(SX)	2.0	15.0	--	8.5	179.9	65.8	--	122.8
EK PREMIUM EK 8896(SX)	6.3	12.4	--	9.3	164.5	77.3	--	120.9
DEKALB-PFIZER DK727(SX)	0.6	2.9	--	1.7	161.2	80.5	--	120.8
BO-JAC 601(SX)	1.4	3.1	--	2.2	158.1	83.4*	--	120.7
SHISSLER GR8 194(SX)	0.0	10.7	--	5.3	180.0	59.5	--	119.7
DEKALB-PFIZER XL-72AA(SX)**	0.6	2.8	--	1.7	149.9	82.3	--	116.1
PRIZE EXP. 207(SX)	0.0	4.1	--	2.0	144.3	85.0*	--	114.6
SUPER CROST 7600(SX)	0.0	9.2	--	4.6	162.0	64.9	--	113.4
JACQUES 8400(SX)	1.5	20.4	--	10.9	159.0	64.2	--	111.6
US-13(DX)	13.6	12.5	--	13.0	122.1	69.4	--	95.7
Maturity Group 3								
GARST 8333(SX)	0.9	4.3	--	2.6	190.4*	96.7*	--	143.5*
PIONEER 3377(SX)**	0.4	5.5	--	2.9	195.5*	87.4*	--	141.4*
PIONEER 3378(SX)	0.0	0.6	--	0.3	200.6*	75.4	--	138.0*
PIONEER 3358(SX)**	0.5	1.8	--	1.1	184.5*	90.5*	--	137.5*
GARST 8345(SX)	2.0	3.3	--	2.6	183.1	85.0*	--	134.0*
PAYMASTER 7990(SX)	1.1	4.1	--	2.6	170.6	74.4	--	122.5
CARGILL 980(SX)	1.9	4.4	--	3.1	170.2	71.9	--	121.0
GARST 8344(SX)	1.0	2.8	--	1.9	162.4	74.6	--	118.5
LEWIS 8110(SX)	0.0	4.7	--	2.3	155.0	78.2	--	116.6
FUNK'S G-4733(MSX)	0.5	10.8	--	5.6	166.4	65.9	--	116.1
DEKALB-PFIZER DK747(SX)	1.0	8.0	--	4.5	164.7	64.0	--	114.3
TAYLOR-EVANS T-E 6996(SX)	0.0	7.8	--	3.9	155.5	71.1	--	113.3
TAYLOR-EVANS T-E 6998(SX)	1.5	6.8	--	4.1	157.6	61.9	--	109.7
SHISSLER GR8 199(SX)	2.4	9.1	--	5.7	143.0	59.2	--	101.1
Maturity Group 4								
PIONEER 3297(SX)	1.6	1.9	--	1.7	192.5*	91.4*	--	141.9*
PIONEER 3184(SX)**	0.0	2.4	--	1.2	199.7*	80.7	--	140.2*
PIONEER 3183(SX)**	0.5	4.4	--	2.4	187.6*	89.2*	--	138.4*
TRIAL AVERAGE								
	1.3	7.7		4.1	172.8	78.1		126.7
L.S.D. AT .05								
					22.7	15.9		16.8

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

** WIDELY-GROWN HYBRID.

TABLE 15. PERFORMANCE OF CORN HYBRIDS IRRIGATED NEAR PORTAGEVILLE ON THE DELTA RESEARCH CENTER 1982-84. PLANTED: 21 MAY 1984. HARVESTED: 1,2 OCTOBER 1984. PLANTED POPULATION: 29300.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1984	1983	1982	1984	1983	1982
MATURITY GROUP 1								
FUNK'S G-4522(MSX)##	26400	20.9	0.8	12.9	0.8	205.6	109.7	132.2
O'S GOLD 2570(SX)	28100	21.2	4.1	15.3	--	196.9	146.4*	--
JACQUES 8100(SX)	28500	20.8	1.5	--	--	196.7	--	--
LEWIS 5650(SX)	27800	20.2	0.8	--	--	186.3	--	--
SUPER CROST 5438(SX)	25900	20.2	2.1	--	0.0	180.0	--	162.8*
O'S GOLD 2545(SX)	26300	21.0	0.8	--	--	178.9	--	--
FUNK'S G-4507(SX)	26600	19.8	0.8	10.8	3.2	158.7	133.5	155.9
GOLDEN HARVEST H-2500(SX)##	27000	20.0	0.8	15.2	0.4	138.8	114.2	163.1*
MATURITY GROUP 2								
GROAGRI GSC 2355(SX)	26900	23.1	2.1	--	--	230.6*	--	--
JACQUES 8400(SX)	26400	24.8	2.7	--	--	227.5*	--	--
FUNK'S G-4673A(MSX)	27900	23.1	1.2	12.9	0.4	217.0	127.8	165.0*
LYNKS LX 4488(SX)	27500	23.2	0.0	--	--	213.9	--	--
MCCURDY 8020(SX)	27200	23.3	0.4	--	--	211.6	--	--
BO-JAC 603(SX)	27700	19.7	0.8	--	--	211.3	--	--
SUPER CROST 7600(SX)	27200	23.6	0.8	--	--	206.6	--	--
SHISSLER GR8 196(SX)	28300	22.7	1.6	--	--	205.9	--	--
POCKLINGTON PM-71(SX)	24200	23.7	3.6	--	--	205.4	--	--
AGRATECH GK 850(SX)	26100	23.7	4.7	--	--	202.3	--	--
GOLDEN HARVEST H-2675(SX)	27400	24.0	1.6	--	--	202.2	--	--
DEKALB-PFIZER DK656(SX)	27100	21.0	0.4	11.8	--	202.1	126.1	--
LYNKS LX 4500(SX)	26200	24.6	0.4	--	0.8	200.7	--	174.6*
MFA 6708(SPX)##	25900	23.3	2.2	11.7	0.4	199.9	137.7*	135.9
EK PREMIUM EK 8896(SX)	28100	22.1	3.6	--	--	199.8	--	--
STAUFFER 114+(SX)	27900	22.9	0.0	7.5	0.4	199.6	149.1*	171.7*
EK PREMIUM EK 8805(SX)	26100	20.4	0.8	--	--	199.6	--	--
STAUFFER S7759(SX)	28100	20.4	1.2	7.2	1.3	197.7	130.8	142.0
SHISSLER GR8 194(SX)	26400	24.3	0.4	--	--	197.4	--	--
NC+ 5990(SX)	26600	19.1	0.0	--	--	196.3	--	--
ASGROW RX777(SX)	26000	22.2	0.4	--	--	196.1	--	--
DEKALB-PFIZER XL-72B(SX)	26100	22.7	0.0	14.8	0.6	195.6	124.6	163.2*
DEKALB-PFIZER EXP369(SX)	26700	23.9	0.8	--	--	195.0	--	--
STONE SX41(SX)	26700	22.4	6.4	--	--	194.6	--	--
PAG SX 352(SX)	27000	20.5	1.3	--	--	194.5	--	--
BO-JAC 6071(SX)	27100	22.6	0.4	--	--	192.1	--	--
TRIUMPH 1580(SX)	27600	20.6	0.4	--	--	192.0	--	--
GROAGRI GSC 2333(SX)	24600	21.3	8.3	--	--	190.4	--	--
GROAGRI GSC 2216(SX)	24100	20.5	0.9	--	--	188.4	--	--
BO-JAC 601(SX)	25900	20.3	0.8	10.6	--	187.2	143.7*	--
LYNKS LX 4355(SX)	28500	19.7	1.2	9.3	1.2	186.7	114.5	174.1*
PAG SX 351(SX)	25700	21.2	1.2	--	0.4	182.9	--	146.2
STONE SX36(SX)	22900	19.8	0.4	--	--	181.2	--	--
NC+ 6190(SX)	27500	19.8	1.2	8.1	--	181.0	130.7	--
DEKALB-PFIZER DK727(SX)	25300	26.7	0.4	10.8	0.0	180.2	129.3	161.8*
AGRATECH GK 3912(SX)	25900	21.2	0.0	--	--	178.3	--	--
EK PREMIUM EK 7796(SX)	27200	20.5	0.0	--	--	174.4	--	--
CARGILL 967(SX)##	26700	20.7	2.1	7.4	1.2	174.2	142.7*	179.9*
GROAGRI GSC 2212(SX)	26600	20.4	0.0	--	--	173.7	--	--
PAYMASTER 8201(SX)##	28300	18.8	2.4	9.3	2.7	170.9	118.6	166.7*
POCKLINGTON PM-661A(SX)	28100	20.8	1.6	--	--	167.2	--	--
DEKALB-PFIZER XL-72AA(SX)##	26000	20.1	0.0	13.7	1.2	163.2	117.0	176.9*
PRIZE EXP. 207(SX)	24500	22.1	0.0	--	--	161.3	--	--
STAUFFER S6596(SX)	27700	21.4	0.0	--	--	154.3	--	--
US-13DX)	23500	21.3	5.3	23.7	11.2	140.1	79.3	119.4
MATURITY GROUP 3								
PIONEER 3165(SX)	27500	27.3	0.8	4.5	--	241.2**	159.0**	--
AGRATECH GK 900(SX)	28100	23.0	2.0	--	--	220.3	--	--
LEWIS 8110(SX)	26300	23.6	0.0	--	--	218.5	--	--
AGRATECH GK 925(SX)	27100	23.3	2.5	8.3	--	215.8	127.4	--
TAYLOR-EVANS T-E 6996(SX)	25900	23.5	4.9	14.5	--	215.4	147.5*	--
PRINCETON SX 870(SX)	24300	24.2	0.9	14.1	0.0	213.1	114.4	177.9*
TAYLOR-EVANS T-E 6998(SX)	26700	24.6	4.7	11.4	0.4	211.3	109.2	144.0
FUNK'S G-4733(MSX)	26600	25.0	4.5	5.8	0.4	205.3	155.8*	202.6**
CARGILL 980(SX)	25900	24.6	0.9	18.6	--	204.9	133.6	--
PAYMASTER 8990(SX)	27700	24.6	5.0	9.0	--	203.0	133.6	--
DEKALB-PFIZER DK747(SX)	24700	24.3	0.9	--	--	199.1	--	--
PIONEER 3358(SX)##	26700	23.8	0.4	7.7	0.0	198.7	133.4	198.3*
PIONEER 3378(SX)	26700	21.0	0.0	--	--	198.7	--	--
PIONEER 3377(SX)##	27900	20.2	2.4	12.2	--	196.6	138.9*	--
TERRA EXP. 1832(SX)	27000	23.4	1.2	--	--	191.7	--	--
PAYMASTER 7990(SX)	26100	22.4	0.4	--	--	189.6	--	--
DEKALB-PFIZER T1230(SX)	27500	25.1	2.8	--	--	186.7	--	--
GARST 8345(SX)	27000	19.8	0.4	--	--	171.5	--	--
SHISSLER GR8 199(SX)	27500	25.3	1.6	--	--	169.5	--	--
GARST 8344(SX)	25400	20.0	0.4	--	--	168.9	--	--
PRAIRIE STREAM SX730(SX)	27500	24.0	0.0	8.5	--	161.2	118.6	--
GARST 8333(SX)	28300	20.2	0.0	--	--	142.6	--	--

TABLE 15. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1984	1984	1984	1983	1982	1984	1983	1982
	Maturity Group 4							
PIONEER 3184(SX)##	27100	24.4	0.0	3.9	0.0	238.1*	135.4*	200.4*
PIONEER 3183(SX)##	26700	23.4	1.7	7.2	0.4	223.6*	127.8	199.8*
TERRA TR-4405(SX)	26300	25.0	0.8	--	--	216.6	--	--
PIONEER 3297(SX)	27400	22.5	0.8	--	--	205.0	--	--
TERRA EXP.1833(SX)	27500	28.6	4.0	--	--	196.7	--	--
TRIAL AVERAGE	26600	22.3	1.4	10.8	0.9	193.3	125.9	165.1
L.S.D. AT .05						20.8	24.2	43.5

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROWN HYBRID.

TABLE 16. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT TWO IRRIGATED MISSOURI LOCATIONS (COLUMBIA AND PORTAGEVILLE) IN 1984.
PLANTED POPULATIONS: COLUMBIA 29300 AND PORTAGEVILLE 29300.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	COLUMBA	PORTAGV	MEAN	COLUMBA	PORTAGV	MEAN		
MATURITY GROUP 1								
O'S GOLD 2570(SX)	0.9	4.1	--	2.5	205.8**	196.9	--	201.3*
JACQUES 8100(SX)	0.4	1.5	--	0.9	190.1*	196.7	--	193.4
FUNK'S G-4522(MSX)**	1.5	0.8	--	1.1	180.6	205.6	--	193.1
LEWIS 5650(SX)	0.4	0.8	--	0.6	180.5	186.3	--	183.4
SUPER CROST 5438(SX)	0.0	2.1	--	1.0	167.6	180.0	--	173.8
O'S GOLD 2545(SX)	2.7	0.8	--	1.7	147.6	178.9	--	163.2
GOLDEN HARVEST H-2500(SX)**	1.5	0.8	--	1.1	187.3*	138.8	--	163.0
FUNK'S G-4507(SX)	2.0	0.8	--	1.4	165.5	158.7	--	162.1
MATURITY GROUP 2								
FUNK'S G-4673A(MSX)	0.9	1.2	--	1.0	182.7	217.0	--	199.8
BO-JAC 603(SX)	1.4	0.8	--	1.1	187.1*	211.3	--	199.2
GROAGRI GSC 2355(SX)	1.0	2.1	--	1.5	163.7	230.6*	--	197.1
STAUFFER 114+(SX)	0.4	0.0	--	0.2	193.5*	199.6	--	196.5
JACQUES 8400(SX)	1.5	2.7	--	2.1	159.0	227.5*	--	193.2
SHISSLER GR8 196(SX)	2.0	1.6	--	1.8	179.9	205.9	--	192.9
AGRATECH GK 850(SX)	0.9	4.7	--	2.8	182.3	202.3	--	192.3
DEKALB-PFIZER EXP369(SX)	0.4	0.8	--	0.6	189.2*	195.0	--	192.1
LYNKS LX 4488(SX)	2.4	0.0	--	1.2	168.7	213.9	--	191.3
LYNKS LX 4500(SX)	1.5	0.4	--	0.9	181.0	200.7	--	190.8
TRIUMPH 1580(SX)	1.8	0.4	--	1.1	189.2*	192.0	--	190.6
SHISSLER GR8 194(SX)	0.0	0.4	--	0.2	180.0	197.4	--	188.7
GROAGRI GSC 2333(SX)	0.5	8.3	--	4.4	186.9*	190.4	--	188.6
MFA 6708(SPX)**	1.9	2.2	--	2.0	176.9	199.9	--	188.4
DEKALB-PFIZER XL-72B(SX)	1.0	0.0	--	0.5	180.6	195.6	--	188.1
STONE SX41(SX)	1.6	6.4	--	4.0	181.1	194.6	--	187.8
DEKALB-PFIZER DK656(SX)	0.0	0.4	--	0.2	172.7	202.1	--	187.4
ASGROW RX777(SX)	2.7	0.4	--	1.5	178.5	196.1	--	187.3
LYNKS LX 4355(SX)	1.4	1.2	--	1.3	186.3*	186.7	--	186.5
PAG SX 351(SX)	1.4	1.2	--	1.3	189.4*	182.9	--	186.1
MCCURDY 8020(SX)	0.0	0.4	--	0.2	160.0	211.6	--	185.8
GOLDEN HARVEST H-2675(SX)	1.0	1.6	--	1.3	168.6	202.2	--	185.4
NC+ 5990(SX)	0.0	0.0	--	0.0	174.0	196.3	--	185.1
GROAGRI GSC 2212(SX)	1.2	0.0	--	0.6	195.1*	175.7	--	184.4
SUPER CROST 7600(SX)	0.0	0.8	--	0.4	162.0	206.6	--	184.3
CARGILL 967(SX)**	1.4	2.1	--	1.7	193.5*	174.2	--	183.8
EK PREMIUM EK 8805(SX)	1.0	0.8	--	0.9	167.2	199.6	--	183.4
POCKLINGTON PM-71(SX)	2.6	3.6	--	3.1	161.3	205.4	--	183.3
EK PREMIUM EK 8896(SX)	6.3	3.6	--	4.9	164.5	199.8	--	182.1
PAG SX 352(SX)	0.5	1.3	--	0.9	165.8	194.5	--	180.1
NC+ 6190(SX)	1.4	1.2	--	1.3	177.1	181.0	--	179.0
STAUFFER 57759(SX)	1.1	1.2	--	1.1	160.1	197.7	--	178.9
GROAGRI GSC 2216(SX)	0.0	0.9	--	0.4	169.1	188.4	--	178.7
POCKLINGTON PM-661A(SX)	0.0	1.6	--	0.8	190.1*	167.2	--	178.6
AGRATECH GK 3912(SX)	0.5	0.0	--	0.2	178.3	178.3	--	178.3
PAYMASTER 8201(SX)**	2.3	2.4	--	2.3	182.0	170.9	--	176.4
BO-JAC 6071(SX)	0.9	0.4	--	0.6	155.1	192.1	--	173.6
BO-JAC 601(SX)	1.4	0.8	--	1.1	158.1	187.2	--	172.6
EK PREMIUM EK 7796(SX)	0.9	0.0	--	0.4	168.5	174.4	--	171.4
STONE SX36(SX)	0.0	0.4	--	0.2	160.9	181.2	--	171.0
DEKALB-PFIZER DK727(SX)	0.6	0.4	--	0.5	161.2	180.2	--	170.7
STAUFFER S6596(SX)	0.0	0.0	--	0.0	176.6	154.3	--	165.4
DEKALB-PFIZER XL-72AA(SX)**	0.6	0.0	--	0.3	149.9	163.2	--	156.5
PRAIRIE EXP.207(SX)	0.0	0.0	--	0.0	144.3	161.3	--	152.8
US-13(DX)	13.6	5.3	--	9.4	122.1	140.1	--	131.1
MATURITY GROUP 3								
PIONEER 3165(SX)	0.5	0.8	--	0.6	167.5	241.2**	--	204.3*
AGRATECH GK 900(SX)	2.4	2.0	--	2.2	186.8*	220.3	--	203.5*
PIONEER 3378(SX)	0.0	0.0	--	0.0	200.6*	198.7	--	199.6
PAYMASTER 8990(SX)	2.3	5.0	--	3.6	194.7*	203.0	--	198.8
AGRATECH GK 925(SX)	0.4	2.5	--	1.4	178.0	215.8	--	196.9
PIONEER 3377(SX)**	0.4	2.4	--	1.4	195.5*	196.6	--	196.0
PIONEER 3358(SX)**	0.5	0.4	--	0.4	184.5*	198.7	--	191.6
CARGILL 980(SX)	1.9	0.9	--	1.4	170.2	204.9	--	187.5
LEWIS 8110(SX)	0.0	0.0	--	0.0	155.0	218.5	--	186.7
FUNK'S G-4733(MSX)	0.5	4.5	--	2.5	166.4	205.3	--	185.8
TAYLOR-EVANS T-E 6996(SX)	0.0	4.9	--	2.4	155.5	215.4	--	185.4
TAYLOR-EVANS T-E 6998(SX)	1.5	4.7	--	3.1	157.6	211.3	--	184.4
DEKALB-PFIZER DK747(SX)	1.0	0.9	--	0.9	164.7	199.1	--	181.9
PAYMASTER 7990(SX)	1.1	0.4	--	0.7	170.6	189.6	--	180.1
GARST 8345(SX)	2.0	0.4	--	1.2	183.1	171.5	--	177.3
TERRA EXP.1832(SX)	1.3	1.2	--	1.2	159.4	191.7	--	175.5
DEKALB-PFIZER T1230(SX)	0.0	2.8	--	1.4	157.0	186.7	--	171.8
PRINCETON SX 870(SX)	0.0	0.9	--	0.4	127.2	213.1	--	170.1
GARST 8333(SX)	0.9	0.0	--	0.4	190.4*	142.6	--	166.5
GARST 8344(SX)	1.0	0.4	--	0.7	162.4	168.9	--	165.6
PRAIRIE STREAM SX730(SX)	1.0	0.0	--	0.5	166.1	161.2	--	163.6
SHISSLER GR8 199(3X)	2.4	1.6	--	2.0	143.0	169.5	--	156.2

TABLE 16. CONTINUED.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	COLUMBA	PORTAGV	MEAN	COLUMBA	PORTAGV	MEAN		
	MATURITY GROUP 4							
PIONEER 3184(SX)##	0.0	0.0	--	0.0	199.7*	238.1*	--	218.9**
PIONEER 3183(SX)##	0.5	1.7	--	1.1	187.6*	223.6*	--	205.6*
PIONEER 3297(SX)	1.6	0.8	--	1.2	192.5*	205.0	--	198.7
TERRA TR-4405(SX)	1.9	0.8	--	1.3	162.5	216.6	--	189.5
TERRA EXP.1833(SX)	6.2	4.0	--	5.1	150.8	196.7	--	173.7
TRIAL AVERAGE	1.2	1.4		1.3	172.8	193.3		183.0
L.S.D. AT .05					22.7	20.8		18.5

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROWN HYBRID.

TABLE 17. ENTRIES IN THE 1984 MISSOURI HYBRID CORN EVALUATION TRIALS. X INDICATES THE LOCATION AT WHICH EACH HYBRID WAS GROWN.

BRAND/HYBRID	AREA OF STATE				BRAND/HYBRID	AREA OF STATE			
	NORTH	CEN-TRAL	SOUTH-EAST	IRRI-GATION TRIAL		NORTH	CEN-TRAL	SOUTH-EAST	IRRI-GATION TRIAL
MATURITY GROUP 1									
AMERICANA 4100(SX)	X	X			AMERICANA 3300(SX)	X	X		
AMERICANA 3100(SX)	X				BO-JAC 381(SX)		X		
CARGILL 921(SX)	X	X			CARGILL 937(SX)	X	X		
COKER 8575(SX)	X	X			CUSTOM FARM SEED 5801(SX)	X			
CUSTOM FARM SEED W6420(SX)	X				CUSTOM FARM SEED 7000(SX)	X			
CUSTOM FARM SEED EW95013(SX)	X				DEKALB-PFIZER T1100(SX)	X	X		
FUNK'S G-4522(MSX)##	X	X	X	X	FUNK'S G-4507(SX)	X	X	X	X
FUNK'S G-4514(SX)	X	X			FUNK'S G-4578(SX)	X	X		
FUNK'S 4029X(SX)	X	X			GOLDEN HARVEST H-2500(SX)##	X	X	X	X
HAPPEL 8338(SX)	X				JACQUES 8100(SX)	X	X	X	X
JACQUES 7900(SX)	X	X			LEWIS 5650(SX)				X
MCALLISTER SX8310(SX)	X				MCCURDY 7676(SX)			X	
MCCURDY 7384(SX)	X				MFA 5204(SX)		X		
MOEWS SM 3620(SX)	X				NORTHROP KING PX 9527(SX)	X	X		
O'S GOLD 2570(SX)	X	X	X	X	O'S GOLD 2545(SX)	X	X		X
PAG SX 329(MSX)	X				RING AROUND RA 1404(SX)	X			
SHISSLER GR8 176(SX)	X				SUPER CROST 5452(SX)	X			
SUPER CROST 5438(SX)	X			X					
MATURITY GROUP 2									
AGRATECH GK 3912(SX)			X	X	AGRATECH GK 850(SX)			X	X
AGRIPRO HP555(SX)	X				AMERICANA C479(SX)	X	X		
AMERICANA 4730(SX)	X	X			AMERICANA 4640(SX)	X	X		
ASGROW RX777(SX)	X	X		X	BO-JAC 601(SX)	X	X		X
BO-JAC 562(SX)	X	X			BO-JAC 6071(SX)	X			X
BO-JAC 603(SX)				X	BURRUS BX 34(SX)	X			
BURRUS BX 26(SX)	X				BURRUS BX 28(SX)	X			
CARGILL 967(SX)##	X	X	X	X	CARGILL 955(SX)	X	X	X	
COKER 19A(SPX)			X		CROW'S 690(SX)	X			
DEKALB-PFIZER EXP464(SX)	X	X	X		DEKALB-PFIZER 6261(SX)	X			
DEKALB-PFIZER EXP369(SX)	X	X	X	X	DEKALB-PFIZER XL-72AA(SX)##	X	X	X	X
DEKALB-PFIZER XL-73(SX)	X				DEKALB-PFIZER XL-72B(SX)	X	X	X	X
DEKALB-PFIZER DK727(SX)	X	X	X	X	DEKALB-PFIZER DK656(SX)	X	X	X	X
DOCKENDROFF 7378(SX)	X				DOCKENDROFF 7670(SX)	X			
EK PREMIUM EK 7796(SX)	X	X		X	EK PREMIUM EK 8896(SX)	X	X		X
EK PREMIUM EK 9920(SX)			X		EK PREMIUM EK 8805(SX)	X	X	X	X
FEDERAL FX40A(SX)		X			FONTANELLE 5230(SX)	X			
FONTANELLE 6257(SX)	X				FUNK'S G-4673A(MSX)	X	X	X	X
FUNK'S G-4669(SX)	X	X	X		FUNK'S 6014X(MSX)	X	X	X	
GOLDEN HARVEST H-2695(3X)	X	X	X		GOLDEN HARVEST H-2680(SX)	X	X	X	
GOLDEN HARVEST H-2675(SX)			X	X	GROAGRI GSC 2355(SX)	X	X	X	X
GROAGRI GSC 2216(SX)	X	X	X	X	GROAGRI GSC 2212(SX)	X	X	X	X
GROAGRI GSC 2333(SX)	X	X	X	X	HAPPEL 3361-A(3X)	X			
HAPPEL 8366(SX)	X				HAPPEL MS-80(SX)	X			
HORIZON 861(SX)	X				HORIZON 718(SX)	X			
JACQUES 8400(SX)	X	X	X	X	KITCHEN KSC 516(SX)	X	X		
KITCHEN KSC 518(SX)	X	X			KITCHEN KSC 513(SX)	X	X		
LEWIS 5910(SX)	X				LEWIS X62BB(SX)	X			
LEWIS 6140(SX)	X				LEWIS X74B(SX)	X	X		
LEWIS X94B(SX)	X	X			LEWIS X59B(SX)	X	X		
LYNKS LX 4500(SX)	X	X		X	LYNKS LX 4355(SX)	X	X		
LYNKS LX 4480(SX)			X		LYNKS LX 4488(SX)			X	X
LYNNVILLE RS-2240(SX)	X				LYNNVILLE RS-2022(SX)	X			
LYNNVILLE RS-2280(SX)	X				LYNNVILLE RS-23A(SX)	X			
MCALLISTER SX7300B(SX)	X				MCCURDY 8020(SX)				X
MCCURDY 7676(SX)	X				MCCURDY 7787(SX)		X		
MCCURDY 7800(SX)		X			MCCURDY 84AA(SX)			X	
MFA 6707(SX)	X	X	X		MFA 6709(SX)	X	X		
MFA 6712(SPX)		X	X		MFA 6708(SPX)##	X	X	X	X
NC+ 6190(SX)	X	X		X	NC+ 5990(SX)	X			X
NC+ 8331(SX)	X				NIEMEYER N-114(SX)		X		
NIEMEYER N-116(SX)		X			NORTHROP KING PX 9581(SX)	X	X	X	
O'S GOLD 5509(SX)			X		O'S GOLD 5291(SX)	X	X		
PAG SX 379(SX)			X		PAG SX 383(MSX)			X	
PAG SX 333(SX)			X		PAG SX 351(SX)	X	X	X	X
PAG SX 352(SX)	X	X	X	X	PAG SX 354(SX)	X	X	X	
PAYMASTER 8201(SX)##	X	X	X	X	PAYMASTER 6990(SX)	X			
PAYMASTER 7190(SX)	X	X			PIONEER 3475(SX)	X			
POCKLINGTON PM-51(SX)		X			POCKLINGTON PM-661A(SX)				X
POCKLINGTON P-601A(SX)	X				POCKLINGTON P-6392(3X)	X			
POCKLINGTON PM-71(SX)	X			X	POCKLINGTON P-321(SX)	X			
POCKLINGTON P-6331A(SX)		X			POCKLINGTON PM-641(SX)		X		
PRAIRIE STREAM SX710(SX)		X			PRIZE EXP 207(SX)	X	X		X
PRIZE EXP 206(SX)		X			PRIZE EXP 2020(SX)	X	X		
RANDELL 7115(SX)	X				RANDELL 7120(SX)	X			
RING AROUND RA 1511(SX)	X				RING AROUND RA 1512(SPX)		X	X	
RING AROUND RA 1604(SX)		X	X		RING AROUND RA 1502(SX)	X	X	X	
RING AROUND RA 1505(SPX)	X	X	X		RING AROUND RA 1505C(SX)		X	X	
RING AROUND RAX 3514(SX)		X			RING AROUND RAX 3516(SX)			X	
RING AROUND RAX 3515(SX)	X				S-BRAND 55-61(SPX)				
S-BRAND 55-63(SX)	X				S-BRAND 55-64B(SPX)	X			
SHISSLER GR8 194(SX)	X	X		X	SHISSLER GR8 196(SX)	X	X		X
STAUFFER S6596(SX)				X	STAUFFER S7795(SX)		X		
STAUFFER S7759(SX)	X	X		X	STAUFFER S7767(SX)	X	X		
STAUFFER 114+(SX)		X		X	STONE SX36(SX)		X		X
STONE SX41(SX)		X		X	STURDY GROW 829A(SX)	X			
STURDY GROW 816(SX)	X				STURDY GROW 912W(SX)#	X			
STURDY GROW 934W(3X)#	X				STURDY GROW 805A(SX)	X			
STURDY GROW 827A(SX)	X				SUPER CROST 6340(SX)	X	X		
SUPER CROST 7600(SX)	X	X		X	TRIUMPH 1580(SX)	X	X	X	X
US-13(DX)	X	X	X	X	WAC 918(SX)	X			
WAC WCX 8103(SX)#	X				WAC 915(SX)	X			
WILSON 1800B(SX)	X				WILSON EXP 321(SX)	X			
WILSON EXP 305(SX)	X				WILSON 1700(SX)	X			

TABLE 17. CONTINUED.

BRAND/HYBRID	AREA OF STATE				BRAND/HYBRID	AREA OF STATE			
	NORTH	CEN-TRAL	SOUTH-EAST	IRRI-GATION TRIAL		NORTH	CEN-TRAL	SOUTH-EAST	IRRI-GATION TRIAL
MATURITY GROUP 3									
AGRATECH GK 900(SX)			X	X	AGRATECH GK 925(SX)			X	X
AGRIPRO HP771(SX)	X				ASGROW RX114(3X)		X	X	
CARGILL 980(SX)		X	X	X	COKER 21(SX)		X	X	
CROW'S SL75(SX)	X				DEKALB-PFIZER T1230(SX)			X	X
DEKALB-PFIZER DK789(SX)			X		DEKALB-PFIZER DK747(SX)			X	X
FONTANELLE 680(SX)	X				FUNK'S G-4733(MSX)	X	X	X	X
FUNK'S G-4734(MSX)			X		GARST 8373(SX)	X	X	X	
GARST 8333(SX)	X	X	X	X	GARST 8388(SX)	X	X	X	
GARST 8345(SX)	X	X	X	X	GARST 8344(SX)	X	X	X	X
IOWA-MISSOURI SX 20(SX)	X				LEWIS 8110(SX)		X		X
LYNKS LX 4545(SX)			X		MCALLISTER SX6837(SX)	X			
MCALLISTER TX13AA(3X)	X				MCCURDY 8150(SX)			X	
MOEWS SM 725(SX)	X				NIEMEYER N-118(SX)		X		
NORTHRUP KING PX 9609(SX)	X	X	X		PAYMASTER 7990(SX)	X	X	X	X
PAYMASTER 8990(SX)			X	X	PIONEER 3378(SX)	X	X	X	X
PIONEER 3192(SX)			X		PIONEER 3165(SX)			X	X
PIONEER 3358(SX)##	X	X	X	X	PIONEER 3377(SX)##	X	X	X	X
PRAIRIE STREAM SX730(SX)			X	X	PRINCETON SX 870(SX)			X	X
SHISSLER GR8 199(3X)		X		X	TAYLOR-EVANS T-E 6996(SX)	X	X	X	X
TAYLOR-EVANS T-E 6998(SX)	X	X	X	X	TERRA EXP.1832(SX)			X	X
WAC 922(SX)	X				WAC 923(SX)	X			
MATURITY GROUP 4									
COKER 22(3X)			X		MOEWS SM 6440(SX)	X			
NORTHRUP KING PX 9692(SX)		X	X		PIONEER 3184(SX)##	X	X	X	X
PIONEER 3297(SX)	X	X	X	X	PIONEER 3183(SX)##	X	X	X	X
TERRA TR-4405(SX)			X	X	TERRA EXP.1833(SX)			X	X

WHITE HYBRID

WIDELY GROWN HYBRID

TABLE 18. SOURCE OF COMMERCIAL SEED CORN FOR HYBRIDS ENTERED IN THE 1984 MISSOURI YIELD TRIALS.

BRAND	FIRM	ADDRESS
AGRIPRO	MIGRO SEEDS, DIV. OF N.A.P.B.	BOX 2995, MISSION, KS 66201
AMERICANA	AMERICANA SEEDS, INC.	P.O. BOX 275, BOWEN, IL 62316
ASGROW	ASGROW SEED COMPANY	7000 FORTAGE RD, KALAMAZOO, MI 49001
BO-JAC	BO-JAC HYBRID CORN CO.	RT. 2, MT. PULASKI, IL 62548
BURRUS	BURRUS BROS. & ASSOC. GROWERS	RT. 1, BOX 22, ARENZA, IL 62611
CARGILL	CARGILL INC.	P.O. BOX 467, MONTICELLO, IL 61856-0467
CFS	CUSTOM FARM SEED	P.O. BOX 160, MOMENCE, IL 60954
OKER	OKER'S PEDIGREED SEED CO.	P.O. BOX 340, HARTSVILLE, SC 29550
CROW'S	CROW'S HYBRID CORN COMPANY	BOX 306, MILFORD, IL 60953
DEKALB-PFIZER	DEKALB-PFIZER GENETICS	3100 SYCAMORE RD., DEKALB, IL 60115
DOCKENDORFF	DOCKENDORFF HYBRIDS, INC.	RT. 2, DANVILLE, IA 52623
EK PREMIUM	EK PREMIUM SEED COMPANY	RT. 1, BERWICK, IL 61417
FEDERAL	FEDERAL HYBRIDS	5520 35TH AVE., MARION, IA 52302
FONTANELLE	FONTANELLE HYBRIDS	RT. 1, NICKERSON, NE 68044
FUNK'S	FUNK SEEDS INTERNATIONAL	1300 W. WASHINGTON, BLOOMINGTON, IL 61760
GARST	GARST SEED COMPANY	BOX 300, COON RAPIDS, IA 50058
GOLDEN HARVEST	COLUMBIANA SEED COMPANY	ELDRED, IL 62027
GOLD KIST	AGRATECH SEEDS, INC.	BOX 644, ASHBURN, GA 31714
GSC	GROGRI SEED COMPANY	BOX 1656, 6201 S.E. LOOP 289, LUBBOCK, TX 79408
HAPPEL	HAPPEL HYBRID SEED CO.	RT. 1, PALMYRA, MO 63461
IOWA-MISSOURI	IOWA-MISSOURI HYBRID CORN CO.	P.O. BOX 481, KOSAUQUA, IA 52565
JACQUES	JACQUES SEED COMPANY	720 ST. CROIX STREET, PRESCOTT, WI 54021
KCS	KITCHEN SEED COMPANY	RT. 36 WEST, HANNIBAL, MO 63401
LEWIS	LEWIS SEEDS, INC.	P.O. BOX 38, URSA, IL 62376
LYNKS	LYNKS SEEDS	P.O. BOX 637, MARSHALLTOWN, IA 50158
MCALLISTER	MCALLISTER SEED CO., INC.	BOX 28, MT. PLEASANT, IA 52641
McCURDY	McCURDY SEED COMPANY	P.O. BOX 66, FREMONT, IA 52561
MFA	RING AROUND PRODUCTS, INC	12200 FORD RD., SUITE 410, DALLAS, TX 75234
MOEWS	MOEWS SEED COMPANY	P.O. BOX 214, GRANVILLE, IL 61326
NCH	NCH HYBRIDS	3820 N. 56TH ST., BOX 4408, LINCOLN, NE 68504
NIEMEYER	NIEMEYER HYBRIDS	RR, BOWLING GREEN, MO 63334
NK	NORTHROP KING COMPANY	1452 29TH ST., #214, WEST DES MOINES, IA 50265
O'S GOLD	O'S GOLD SEED COMPANY	P.O. BOX 460, PARKERSBURG, IA 50665
PAG	PAG SEEDS	BOX 1207, FREMONT, NE 68025
PAYMASTER	PAYMASTER SEEDS	BOX 307, BELMONT, IA 50421
PIONEER	PIONEER HI-BRED INT., INC.	7000 PIONEER PARKWAY, BOX 85, JOHNSTON, IA 50131
PIONEER	PIONEER HI-BRED INT., E. DIV.	1000 WEST JEFFERSON ST., TIPTON, IN 46072
ROCKLINGTON	ROCKLINGTON SEEDS	RT. 2, GIRARD, IL 62640
PRAIRIE STREAM	PRAIRIE STREAM HYBRIDS, INC.	RT. 3, BOX 356, FRANKFORT, IN 46041
PRINCETON	PRINCETON FARMS	P.O. BOX 319, PRINCETON, IN 47670
PRIZE	HARTZLERS SEED COMPANY	RT. 1, BOX 458, HARRISONVILLE, MO 64701
RANDELL	RANDELL SEED COMPANY	714 1ST AVE., OSKALOOSA, IA 52577
RING AROUND	RING AROUND PRODUCTS, INC.	12200 FORD RD., SUITE 410, DALLAS, TX 75234
RS	LYNNVILLE SEED COMPANY	LYNNVILLE, IA 50153
S BRAND	SCHUCHINGER SEED COMPANY	RT. 1, HARLAN, IA 51537
SHISSLER GR8	SHISSLER SEED COMPANY	RT. 3, ELMWOOD, IL 61529
STAUFFER SEEDS	STAUFFER SEEDS, INC.	975 DURKIN DRIVE, SPRINGFIELD, IL 62704
STONE	STONE SEED FARMS INC.	RT. 2, PLEASANT PLAINS, IL 62677
STURDY GROW	STURDY GROW HYBRIDS INC.	BOX 94, ARCOLA, IL 61910
SUPERCROST	EDWARD J. FUNK & SONS, INC.	P.O. BOX 67, KENTLAND, IN 47951
T-E	TAYLOR-EVANS SEED COMPANY	P.O. BOX 68, TULIA, TX 79088
TERRA	TERRA SEED COMPANY	BOX 10121, LUBBOCK TX, 79408
TRIUMPH	TRIUMPH SEED COMPANY	BOX 1050, RALLS, TX 79357
WAC	SEEDTEC INTERNATIONAL, INC.	BOX 2212, HEREFORD, TX 79357
WILSON	WILSON HYBRIDS, INC.	P.O. BOX 391, HARLAN, IA 51537

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