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MISSOURI AGRICULTURAL EXPERIMENT STATION

Corn



1982 Missouri Crop Performance

Special Report 289

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MISSOURI CROP PERFORMANCE

1982

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 and 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 differences (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 1982 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 mail survey of hybrids marketed by seed producers in Missouri. A total of 218 corn hybrids were tested in 1982.

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 northern and central Missouri. In southeastern Missouri, 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 thirty 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.



FIG. 1. TEST SITE LOCATIONS.

- DRYLAND LOCATIONS
- DRYLAND AND IRRIGATED LOCATIONS

TABLE 1. MANAGEMENT AND CULTURAL PRACTICES OF THE 1982 HYBRID CORN EVALUATION PROGRAM.

LOCATION (COUNTY)	COOPERATOR ¹	N-P205-K20	HERBICIDE	INSECTICIDE	ROW SPACING (IN)	DENSITY (PLANTS/A)	DATE OF PLANTING	DATE OF HARVEST
FAIRFAX (ATCHISON)	SEYMOUR BROTHERS	175-46- 0	DUAL + BLADEX	LORSBAN	30	23,000	4-27-82	10-12-82
SPICKARD (GRUNDY)	LARKIN LANGFORD	160-60-40	DUAL + BLADEX	LORSBAN	30	23,000	4-26-82	10-08-82
NOVELTY (KNOX)	RANDALL SMOOT	180-60-120	LASSO + BLADEX	LORSBAN	30	23,000	4-22-82	10-05-82
MARSHALL (SALINE)	FRANK SWISHER	150- 0- 0	DUAL + BLADEX	LORSBAN	30	23,000	4-23-82	10-22-82
COLUMBIA (BOONE)	JOHN POEHLMANN	240-100-100	DUAL + BLADEX	LORSBAN	30	23,000	4-13-82	9-30-82
WELDON SPRING (ST. CHARLES)	STEVE LIVINGSTON	150- 0- 0	DUAL + BLADEX	AMAZE	30	23,000	4-28-82	NONE
CAPE GIRARDEAU (CAPE GIRARDEAU)	LORBERG BROTHERS	160- 0-90	LASSO + ATRAZINE	NONE	38	23,200	5-04-82	9-20-82
PORTAGEVILLE (PEMISCOT)	JOE SCOTT	150-18-36	LASSO + ATRAZINE	NONE	38	23,200	4-15-82	9-08-82
COLUMBIA IRRIGATED	JOHN POEHLMANN	290-175-145	DUAL + BLADEX	LORSBAN	30	29,300	4-14-82	9-21-82
PORTAGEVILLE IRRIGATED	JOE SCOTT	150-18-36	LASSO + ATRAZINE	NONE	38	29,200	4-14-82	9-09-82

1 INCLUDES EXPERIMENT STATION MANAGERS.

TABLE 2. RAINFALL AND TEMPERATURE DURING 1982.

LOCATION	MONTH	RAINFALL			TEMPERATURE		
		INCHES	DEPART. FROM NORMAL	RAINY DAYS	* F	DEPART. FROM NORMAL	90° OR ABOVE
FAIRFAX *	MAY	10.3	+5.4	12	63.2	+1.0	0
	JUNE	4.9	-1.6	7	65.8	-5.2	1
	JULY	4.9	+0.9	7	76.3	+0.6	14
	AUGUST	10.3	+5.9	9	70.7	-3.2	5
SPICKARD	MAY	8.1	+3.8	10	63.6	-0.7	0
	JUNE	4.3	-1.1	7	65.5	-7.3	1
	JULY	3.6	-0.4	5	75.7	-1.3	9
	AUGUST	7.7	--	7	71.1	--	4
NOVELTY *	MAY	7.8	+3.8	13	65.3	+2.2	0
	JUNE	5.2	+0.2	8	65.6	-6.0	1
	JULY	8.8	+4.6	9	75.4	-0.6	6
	AUGUST	8.5	+4.9	7	71.2	-3.2	5
MARSHALL *	MAY	8.8	+4.4	13	66.4	+0.9	0
	JUNE	6.2	+0.4	10	69.5	-4.9	1
	JULY	4.2	-0.2	7	79.7	+0.6	17
	AUGUST	10.1	+6.1	10	74.7	-3.0	6
COLUMBIA	MAY	5.5	+0.8	10	64.9	+0.5	0
	JUNE	3.7	-0.9	6	66.0	-7.0	1
	JULY	2.7	-1.1	6	75.2	-2.1	8
	AUGUST	10.7	+7.5	6	71.1	-4.9	4
WELDON SPRING *	MAY	4.4	+0.2	8	70.3	+4.1	1
	JUNE	3.8	-0.2	10	70.3	-4.7	2
	JULY	--	--	--	--	--	--
	AUGUST	6.1	+3.3	8	73.6	-7.3	8
CAPE GIRARDEAU	MAY	5.0	0.0	7	71.8	--	3
	JUNE	3.6	-0.1	9	72.6	--	3
	JULY	2.8	-0.2	5	80.5	--	18
	AUGUST	5.4	+1.6	8	76.4	--	10
PORTAGEVILLE	MAY	3.2	-1.3	8	71.9	+2.3	2
	JUNE	5.6	+1.9	7	74.1	-3.2	5
	JULY	1.9	-1.5	2	80.8	+0.1	22
	AUGUST	2.7	-0.1	6	76.9	-2.1	9

-- DATA NOT AVAILABLE.

* FAIRFAX (MARYVILLE DATA), NOVELTY (KIRKSVILLE DATA), MARSHALL (LEXINGTON DATA), AND WELDON SPRING (ST. CHARLES 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 productivity, 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 eight non-irrigated and two irrigated studies in 1982 (Figure 1, Page 5). 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. Although rainfall was above normal throughout most of the season (Table 2, Page 7), response to supplemental water in irrigated tests was excellent.

Table 3. 1982 Hybrid Corn Yield Summary

Location	Number of Entries	Irrigated	Yield(Bushels/Acre)		Data Table
			Range	Average	
Fairfax	132	no	111-187	151	4
Spickard	132	no	102-141	119	5
Novelty	132	no	103-176	144	6
Marshall	132	no	124-198	158	8
Columbia	132	no	75-150	113	9
Weldon Spring	132	no	-----	---	--
Cape Girardeau	108	no	95-178	137	11
Portageville	108	no	66-118	94	12
Columbia	89	yes	114-231	181	14
Portageville	89	yes	119-203	165	16

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.

Lodging data are provided for each location. Most hybrids stood well in all tests except those at Columbia, where lodging was caused by high winds. Hybrids which consistently show above average lodging should be avoided.

The Weldon Spring Trial was lost because of flooding. It remained under water for several weeks during late June, consequently replanting was impossible.

Figure 2. Precipitation pattern and irrigation schedule for 1982.

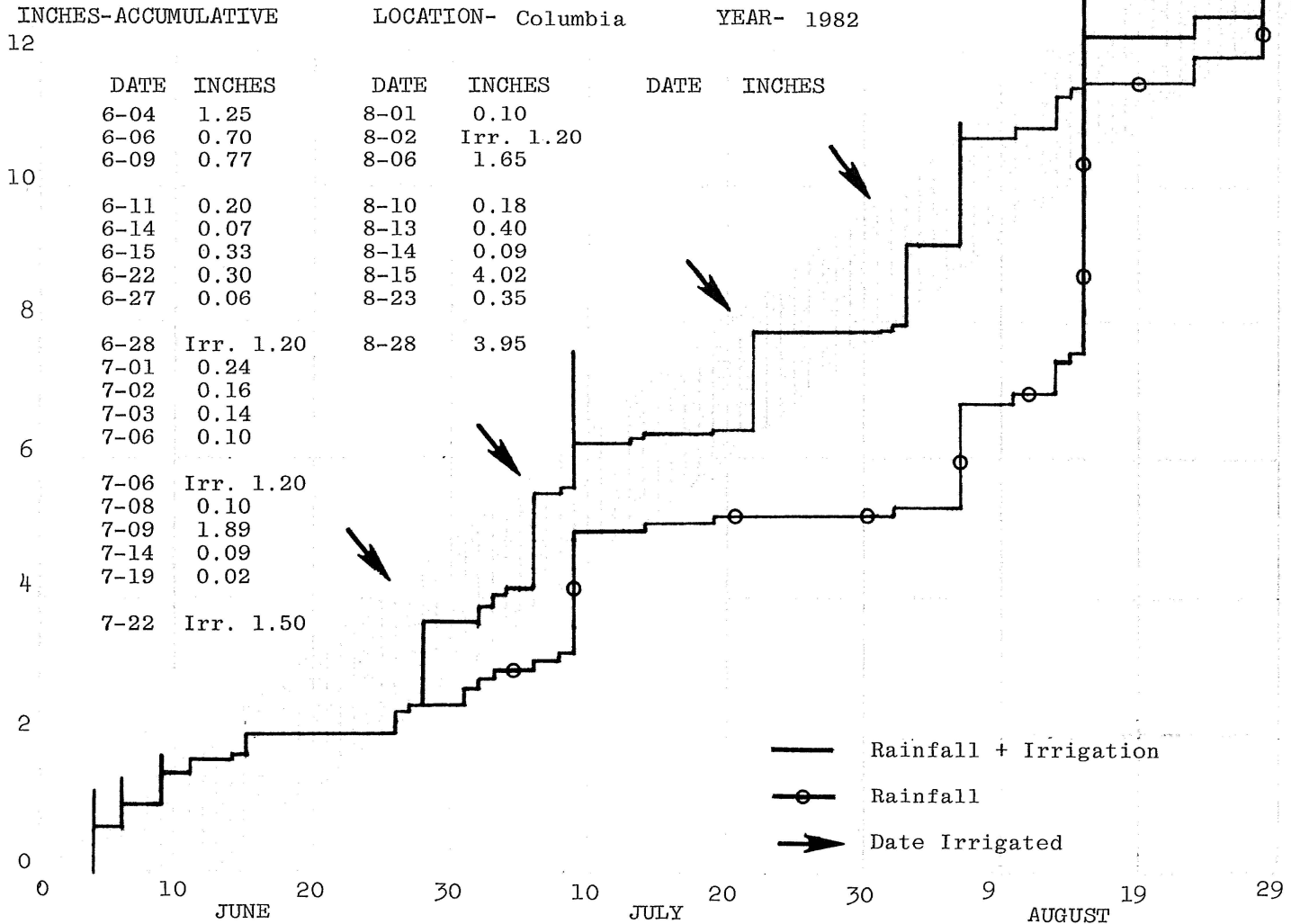


Figure 3. Precipitation pattern and irrigation schedule for 1982.

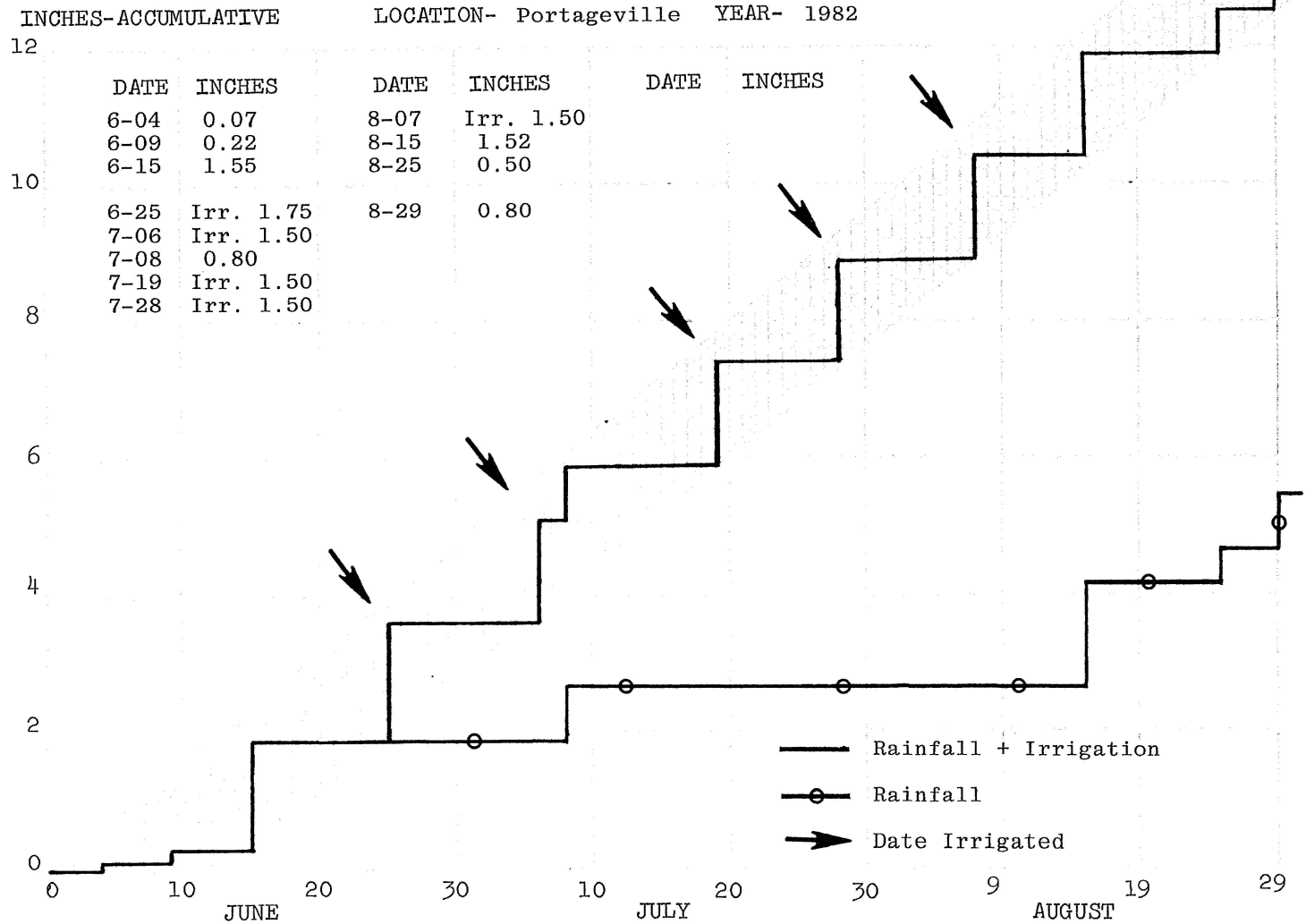


TABLE 4. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR FAIRFAX ON THE SEYMOUR BROTHERS FARM
 IN 1980-82.
 PLANTED: 27 APRIL 1982. HARVESTED: 12 OCTOBER 1982. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS (#/ACRE)	MOIST (%)	LODGING (%)			YIELD (BU/ACRE)		
			1982	1981	1980	1982	1981	1980
MATURITY GROUP 1								
MCCURDY 7384(SX)	19600	19.0	0.0	--	--	167.3*	--	--
RING AROUND RA 1604(SX)	18900	18.2	0.0	5.7	--	166.9*	139.1*	--
O'S GOLD 5500A(SX)	19400	17.3	0.7	3.8	2.2	162.1	109.4	98.8
O'S GOLD 2570(SX)	17500	17.9	1.4	6.0	--	159.7	135.6*	--
CARGILL 921(SX)	21500	16.7	0.0	6.4	4.4	159.3	113.8	106.6
NORTHRUP KING PX 79(SX)	18600	18.3	2.7	--	--	153.3	--	--
AMERICANA 3200(SX)	17300	16.3	1.3	1.7	7.9	157.2	132.3	93.5
JACQUES 8220(SX)	17500	20.1	0.6	--	--	155.1	--	--
TAYLOR-EVANS T-E 6995(SX)	17300	17.9	0.7	0.0	5.1	154.2	115.0	119.8*
SUPER CROST 4661(SX)	20300	17.0	0.0	--	--	153.7	--	--
DEKALB EX6060(SX)	18900	16.6	2.1	--	--	152.7	--	--
FUNK G-4573(SX)	18900	17.9	1.3	--	--	152.6	--	--
FUNK G-4520(SX)	15900	17.6	2.2	4.7	6.7	152.2	119.1	88.9
FUNK G-4507(SX)##	16200	17.7	1.4	4.2	7.4	151.7	111.2	113.8
FUNK G-4522(SX)	16900	17.5	0.0	2.5	--	150.4	109.6	--
CARGILL 924(SX)	19500	17.0	1.2	2.9	2.4	149.6	103.3	104.6
DEKALB XL67(SX)	19100	16.8	0.0	2.2	--	148.7	113.3	--
TROJAN TX5115A(SX)	18000	17.8	0.0	1.9	2.9	147.8	101.2	115.1*
DEKALB EX6261(SX)	20300	17.0	0.5	--	--	147.0	--	--
GOLDEN HARVEST H-2500(SX)##	19200	17.2	0.0	3.1	3.8	146.4	116.1	104.3
DEKALB EX5657(SX)	18200	16.6	1.4	--	--	146.0	--	--
JACQUES JX180(SX)	19400	18.0	1.6	--	4.8	145.5	--	97.6
O'S GOLD 3344(SX)	18500	17.4	2.2	23.2	7.0	143.1	130.1	106.5
O'S GOLD 6882(SX)	17900	16.7	0.6	1.3	--	142.6	101.9	--
AMERICANA 3100(SX)	19200	16.6	0.0	0.0	--	140.7	129.8	--
RING AROUND RA 1502(SX)	18200	18.4	0.0	2.5	5.4	140.2	124.1	120.9*
DEKALB XL72AA(SX)##	18000	16.6	3.7	3.5	2.7	140.1	92.7	101.4
USS 1010	16200	17.2	1.5	3.4	5.0	139.2	123.6	111.9
KELTGEN KS114(SX)	17100	17.0	1.4	3.3	--	139.1	123.0	--
CARGILL 922(SX)	19900	17.3	0.0	--	--	138.6	--	--
TROJAN T1100(SX)	15500	16.4	0.0	0.0	--	138.2	66.1	--
NORTHRUP KING PX 74(SX)	19100	17.4	1.3	5.7	3.1	136.3	122.4	104.6
SUPER CROST 4350(SPX)	18900	17.6	1.8	--	--	133.9	--	--
SUPER CROST 5430(SX)	19300	16.5	0.5	--	--	133.3	--	--
KELTGEN KS112(SX)	16500	17.6	0.8	3.1	--	133.2	122.2	--
KELTGEN KS115(SX)	18300	17.6	6.8	2.2	4.8	127.9	109.1	97.9
BURRUS BX23(SX)	17600	15.6	2.1	--	--	125.8	--	--
RING AROUND RA 1404(SX)	18500	17.4	0.6	--	--	123.6	--	--
NORTHRUP KING PX 9527(SX)	12100	17.3	1.4	--	--	117.7	--	--
STAUFFER SEEDS 6596(SX)	17000	16.5	1.1	--	--	115.6	--	--
USS 0525	17700	16.3	0.6	1.1	--	111.0	101.6	--
MATURITY GROUP 2								
TAYLOR-EVANS T-E 6955-A(SX)	23900	17.3	3.0	12.6	4.3	187.3**	113.9	96.1
MFA 6708(SX)	21000	17.0	1.1	3.0	--	184.9*	134.0	--
TROJAN T1230(SX)	19800	18.1	3.6	--	7.4	177.3*	--	111.5
AMERICANA 4730(SX)	18500	18.5	0.5	6.2	3.0	174.5*	125.9	117.4*
MFA 6707(SX)	20300	18.3	1.7	0.7	6.6	172.4*	139.0*	119.1*
MCCURDY 7676(SX)	21000	17.3	0.0	2.6	--	171.7*	141.0*	--
BO-JAC 562(SX)	17500	19.9	2.0	--	--	171.0*	--	--
GOLDEN HARVEST H-2695(SX)	16200	19.1	5.4	--	--	170.7*	--	--
LEWIS X74B(SX)	17600	18.4	0.5	--	--	170.0*	--	--
DEKALB EX7778(SX)	18700	13.3	1.9	--	--	168.4*	--	--
HC+ 8331(SX)	19100	18.9	1.4	6.4	5.2	167.4*	120.9	83.7
BURRUS BX38(SX)	17400	18.5	0.0	--	--	167.3*	--	--
GOLDEN HARVEST H-2680(SX)##	18200	19.4	1.2	1.1	9.7	167.1*	120.5	115.5*
PAYMASTER 7601(SX)	19200	17.3	0.5	2.7	3.4	161.7	131.5	99.3
DEKALB XL73(SX)	17700	18.3	1.3	1.7	--	161.5	121.7	--
LYNKS LX 4500(SX)	16600	19.7	1.3	4.8	2.1	160.3	119.1	120.0*
KELTGEN KS116(SX)	21100	18.4	1.0	--	--	159.5	--	--
CARGILL 957(SX)##	18600	17.8	3.1	2.5	5.5	158.9	129.3	116.6*
ASGROW RX777(SX)	17000	17.6	1.4	4.9	3.6	158.5	122.9	106.3
DEKALB XL 71(SX)	18100	17.7	0.7	--	8.3	158.1	--	104.7
FONTANELLE 611(SX)	19300	17.2	1.2	7.2	4.8	157.9	98.1	103.1
AMERICANA 4640(SX)	17000	18.5	0.0	0.0	2.3	157.8	122.1	116.2*
JACQUES JX247(SX)	18200	13.5	3.4	--	7.9	157.5	--	113.1
LEWIS X81B(SX)	17700	18.3	1.3	3.0	4.2	157.2	136.0*	134.8*
HC+ 7120(SX)	19200	17.7	0.4	--	--	156.2	--	--
BO-JAC 923(SX)	17900	17.6	2.0	--	4.1	155.6	--	117.9*
GOLDEN HARVEST H-2686(SX)	16000	19.8	5.0	--	--	155.4	--	--
O'S GOLD 5291(SX)	16800	20.3	0.6	7.2	--	155.1	113.3	--
FUNK G-4673A(SX)	17500	19.5	6.2	--	--	154.4	--	--
WILSON 1800A(SX)	18600	19.7	4.5	2.2	6.1	153.7	126.2	94.3
HC+ 6190(SX)	16600	16.3	1.2	--	--	153.4	--	--
SUPER CROST 7600(SX)	17500	18.6	0.6	3.9	12.0	153.3	114.4	80.3
WILSON 1900(SX)	17500	17.0	1.4	3.6	--	153.2	97.7	--
MCALLISTER SX7918	18200	18.2	1.9	0.0	2.6	153.1	128.2	122.4*
PAYMASTER 8201(SX)	17500	17.3	0.7	--	--	152.3	--	--
GOLD TAG GT 4430(SX)	19100	17.4	0.0	--	--	151.7	--	--
LEWIS X93B(SX)	17900	18.1	0.7	--	--	150.9	--	--

TABLE 4. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1982	1982	1982	1981	1980	1982	1981	1980
FONTANELLE 580(SX)	20400	17.5	1.1	3.5	5.1	150.8	114.0	117.6*
MIGRO SPX 77(SX)	16500	19.6	0.6	5.0	--	150.4	125.5	--
ASGROW RX864(SX)	22200	18.2	0.5	--	--	150.1	--	--
LEHIS X59B(SX)	17900	17.4	1.9	--	--	149.6	--	--
ASGROW RX90(SX)	19600	17.1	0.0	0.7	--	149.6	126.4	--
STAUFFER SEEDS 7759	17700	18.2	0.0	1.5	--	148.7	126.7	--
FUNK G-4606(SX)##	16900	17.5	0.6	--	--	147.7	--	--
MIGRO EX 5129(SX)	17500	18.1	0.0	--	--	146.0	--	--
MCCURDY 84AA(SX)	17900	17.9	0.0	1.5	4.9	145.9	136.9*	114.9*
HAPPEL MS-80(SX)	18200	17.2	0.5	4.3	10.9	144.3	119.0	76.9
MFA 5802(SX)##	18100	17.5	1.6	3.0	5.2	144.0	106.9	119.2*
MIGRO HP 555(SX)	19400	19.0	3.0	--	--	143.2	--	--
STAUFFER SEEDS 114+	16900	18.8	0.0	3.5	--	143.2	107.1	--
CMS 516(SX)	17500	19.3	0.6	--	--	142.9	--	--
DEKALB XL72B(SX)##	20600	18.3	1.1	2.2	1.7	142.1	91.5	104.4
IONA-MISSOURI MSX 118(SPX)	18000	17.9	0.6	--	--	140.7	--	--
AMERICANA 4100(SX)	18300	17.6	0.6	1.2	--	140.1	107.8	--
PAYMASTER 6990(SX)	18000	17.0	1.2	--	--	139.6	--	--
CMS 512(SX)	17600	17.0	0.0	--	--	139.5	--	--
LYNKS LX 4364(SX)	19100	17.3	1.9	--	--	139.0	--	--
HAPPEL 3361A(SX)	16600	18.0	2.1	9.1	7.8	138.6	116.8	74.8
BURRUS BX39(SX)	16900	18.3	0.6	--	3.7	136.9	--	107.9
CMS 513(SX)	19200	18.0	0.7	--	--	135.7	--	--
LYNKS LX 4355(SX)	14300	17.3	0.0	0.0	--	134.6	135.4*	--
WILSON 1800B(SX)	18700	17.3	0.8	--	--	133.3	--	--
LEHIS X63B(SX)	17500	17.4	1.9	--	--	131.0	--	--
IONA-MISSOURI SX 16(SX)	18900	16.6	0.6	--	--	128.9	--	--
CMS 514(SX)	16200	18.7	2.0	--	--	128.7	--	--
SUPER CROST 5452(SX)	16400	17.3	0.7	--	--	127.2	--	--
HAPPEL 8338(SX)	17100	16.7	1.2	--	--	114.7	--	--
US-13(DX)	19200	18.5	11.8	58.8	12.7	113.1	76.9	94.4
MATURITY GROUP 3								
PAG SX333(SX)	19200	16.6	2.4	7.8	4.6	181.2*	113.8	94.5
AMERICANA 4808(SX)	20800	18.3	0.6	1.8	--	177.8*	149.1*	--
PIONEER 3377(SX)	19600	17.4	1.3	--	--	173.5*	--	--
IONA-MISSOURI SX 20(SX)	19800	18.7	2.4	5.1	--	172.0*	134.9	--
USS 2020	18900	18.5	2.5	4.8	--	171.9*	156.3**	--
FONTANELLE 690(SX)	19200	18.4	2.3	--	--	171.2*	--	--
PIONEER 3323(SX)	20200	18.5	1.1	0.5	--	170.2*	140.0*	--
PIONEER 3358(SX)	18200	18.2	0.0	--	--	167.0*	--	--
MIGRO HP-87(SX)	18900	18.0	4.3	4.4	2.2	165.9*	128.9	126.8*
PIONEER 3090(DX)##	17600	18.1	3.3	2.4	--	164.6	116.7	--
NC+ SX90(SX)	21000	18.2	0.6	--	--	163.9	--	--
NORTHRUP KING PX 9581(SX)	21000	17.9	2.2	--	--	160.7	--	--
NORTHRUP KING PX 9609(SX)	18500	17.9	1.9	--	--	160.6	--	--
PAG SX351(SX)##	17400	18.0	0.6	5.8	6.1	159.4	121.7	121.1*
MIGRO HP 771(SX)	18500	18.3	1.3	--	--	158.9	--	--
FONTANELLE 680(SX)	16600	20.2	0.7	--	--	158.4	--	--
FUNK G-4733(SX)	18600	19.5	1.2	--	--	157.3	--	--
PIONEER 3183(SX)##	17600	19.6	2.7	1.3	2.1	155.7	126.2	139.8**
MIGRO M0707(SX)	19300	19.0	0.7	5.1	7.1	154.9	119.1	103.2
TAYLOR-EVANS T-E 6998(SX)	18800	18.2	1.9	--	--	143.7	--	--
PIONEER 3382(SX)##	16900	17.8	0.0	--	4.0	139.5	--	94.6
MATURITY GROUP 4								
PIONEER 3186(SX)	19200	18.7	1.7	1.6	--	181.8*	143.2*	--
PAG SX98(SX)##	17400	18.6	3.4	8.4	3.4	156.6	105.5	111.7
TRIAL AVERAGE								
L.S.D. AT .05	18300	17.8	1.4	4.6	4.8	151.4	115.3	104.2
						22.5	21.1	25.0

-- 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-GROWN HYBRID.

TABLE 5. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR SPICKARD ON THE NORTH MISSOURI CENTER
 IN 1980-82.
 PLANTED: 26 APRIL 1982. HARVESTED: 8 OCTOBER 1982. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1982	1981	1980	1982	1981	1980
MATURITY GROUP 1								
MCCURDY 7384(SX)	21500	23.5	0.0	--	--	130.4*	--	--
RING AROUND RA 1604(SX)	18800	24.2	3.3	5.3	--	126.5*	179.7*	--
FUNK G-4578(3X)	20600	22.8	1.1	--	--	124.5	--	--
USS 0525	21400	13.3	1.6	5.7	--	121.9	119.1	--
RING AROUND RA 1502(SX)	20300	25.9	0.6	2.5	5.4	121.7	169.0	23.1
NORTHRUP KING PX 74(SX)	20600	22.3	1.1	6.8	21.0	121.5	154.5	25.3
JACQUES JX180(SX)	15800	19.3	0.7	--	51.7	121.4	--	25.3
GOLDEN HARVEST H-2500(SX)##	20300	23.1	0.5	1.8	16.8	121.0	145.5	35.7
O'S GOLD 5500A(SX)	20600	24.0	1.7	4.0	22.2	119.4	159.2	44.5*
SUPER CROST 4661(SX)	19100	18.9	1.8	--	--	119.2	--	--
DEKALB XL67(SX)	20600	21.8	1.2	6.3	--	118.7	159.4	--
BURRUS BX23(SX)	19300	19.5	0.0	--	--	118.7	--	--
DEKALB EX6060(SX)	21000	18.3	1.0	--	--	118.6	--	--
CARGILL 921(SX)	19300	17.4	1.8	11.1	49.5	118.6	154.7	41.1*
FUNK G-4507(SX)##	18600	23.5	1.1	3.4	48.7	118.6	158.4	25.6
FUNK G-4522(SX)	22300	25.0	1.5	2.0	--	118.5	159.8	--
KELTGEN KS112(SX)	17300	17.6	0.6	0.6	--	118.3	153.8	--
O'S GOLD 6882(SX)	21600	17.4	1.2	0.7	--	118.0	161.0	--
RING AROUND RA 1404(SX)	18600	17.5	1.9	--	--	117.6	--	--
AMERICANA 3200(SX)	18300	22.8	1.9	8.3	20.4	117.5	156.0	20.7
JACQUES 8220(SX)	21000	27.8	1.8	--	--	117.0	--	--
STAUFFER SEEDS 6596(SX)	17700	18.2	0.5	--	--	116.9	--	--
SUPER CROST 4350(SPX)	20900	21.6	0.5	--	--	115.7	--	--
CARGILL 922(SX)	21100	21.5	0.0	--	--	115.7	--	--
FUNK G-4520(SX)	19100	23.2	1.2	9.3	17.6	115.6	159.4	21.1
DEKALB EX5657(SX)	19200	21.3	3.6	--	--	115.3	--	--
USS 1010	20900	24.0	0.5	0.5	26.5	114.6	152.1	24.4
SUPER CROST 5438(SX)	21900	24.5	1.6	--	--	113.9	--	--
CARGILL 924(SX)	21100	21.9	2.1	1.9	34.9	113.8	129.0	27.4
NORTHRUP KING PX 9527(SX)	20300	20.0	1.2	--	--	113.7	--	--
TROJAN T1100(SX)	20000	20.8	1.1	0.8	--	113.2	137.7	--
DEKALB EX6261(SX)	20900	24.3	0.0	--	--	112.9	--	--
DEKALB XL72AA(SX)##	19400	23.1	0.0	6.5	3.8	112.5	164.4	16.2
KELTGEN KS115(SX)	20300	24.6	1.2	4.3	14.5	110.6	149.5	19.1
O'S GOLD 2570(SX)	22600	26.9	0.5	1.5	--	109.5	165.2	--
O'S GOLD 3344(SX)	21500	23.8	3.8	4.8	54.2	109.4	160.7	36.0
TROJAN TXS115A(SX)	21100	23.2	3.4	2.3	24.7	109.1	161.7	22.9
NORTHRUP KING PX 79(SX)	21600	28.2	0.0	--	--	107.7	--	--
TAYLOR-EVAHS T-E 6995(SX)	20800	25.6	1.1	4.3	17.2	107.0	151.5	21.9
AMERICANA 3100(SX)	20900	22.8	0.0	0.0	--	106.9	138.9	--
KELTGEN KS114(SX)	20400	22.8	1.1	4.3	--	102.3	143.7	--
MATURITY GROUP 2								
GOLDEN HARVEST H-2686(SX)	22100	28.3	1.0	--	--	135.2*	--	--
JACQUES JX247(SX)	20200	21.4	1.1	--	58.8	131.2*	--	27.8
LEWIS X748(SX)	22500	27.4	0.5	--	--	131.1*	--	--
BO-JAC 923(SX)	20500	23.5	1.2	--	10.7	131.1*	--	41.4*
DEKALB EX7778(SX)	21700	26.2	0.5	--	--	131.0*	--	--
WILSON 1800A(SX)	18800	23.5	1.0	2.8	18.0	130.9*	182.7*	23.2
CMS 514(SX)	18100	16.2	4.0	--	--	129.9*	--	--
WILSON 1900(SX)	19600	21.0	0.5	2.7	--	129.7*	144.6	--
LEWIS X81B(SX)	19700	22.5	1.8	10.3	35.8	129.4*	180.7*	28.9
GOLDEN HARVEST H-2680(SX)##	20200	23.6	1.0	2.1	19.2	128.3*	172.6	29.5
BURRUS BX38(SX)	18000	23.5	0.7	--	--	126.4*	--	--
BURRUS BX39(SX)	18500	22.0	1.8	--	25.6	126.3*	--	24.6
AMERICANA 4640(SX)	20300	22.2	0.5	3.4	9.3	125.7*	161.0	27.7
MFA 6708(SX)	19300	23.0	2.3	1.9	--	124.9	186.5*	--
MIGRO SPX 77(SX)	22600	28.4	0.5	0.5	--	124.8	176.4*	--
LEWIS X63B(SX)	21200	20.0	0.5	--	--	124.8	--	--
STAUFFER SEEDS 114+	18800	26.6	0.7	0.0	--	124.5	165.3	--
MCALLISTER SX7918	20800	26.1	1.1	2.8	12.5	124.3	167.8	16.3
TROJAN T1230(SX)	21700	26.0	1.6	--	7.2	124.2	--	28.5
CMS 516(SX)	21100	23.8	0.6	--	--	123.9	--	--
STAUFFER SEEDS 7759	19900	23.1	1.7	3.0	--	123.8	171.0	--
SUPER CROST 7600(SX)	19600	23.4	0.6	1.2	46.4	123.5	165.2	30.8
ASGROW RX864(3X)	19300	19.5	1.4	--	--	122.9	--	--
DEKALB XL73(SX)	20900	23.8	6.5	1.2	--	122.5	176.8*	--
HAPPEL MS-80(SX)	19700	24.9	1.2	1.6	8.2	122.0	151.5	28.8
NC+ 7120(SX)	20600	25.9	0.0	--	--	121.7	--	--
IOWA-MISSOURI MSX 118(SPX)	20900	23.4	1.1	--	--	121.5	--	--
FUNK G-4673A(SX)	22700	26.3	0.5	--	--	121.0	--	--
LYNKS LX 4500(SX)	21100	25.8	0.6	1.4	35.2	120.5	159.4	31.8
KELTGEN KS116(SX)	18700	25.8	0.0	--	--	120.3	--	--
DEKALB XL 71(SX)	20000	25.1	0.0	--	24.9	120.2	--	24.2
US-13(DX)	18100	18.1	5.1	46.9	58.0	120.0	94.1	20.1
MFA 6707(SX)	21200	24.4	1.5	4.2	24.1	120.0	166.5	30.2
FONTANELLE 580(SX)	21400	25.1	0.6	2.9	22.2	120.0	146.9	26.9
PAYMASTER 6990(SX)	20800	19.8	0.4	--	--	119.9	--	--
LYNKS LX 4355(SX)	20900	23.6	1.7	2.0	--	119.6	163.8	--
NC+ 8331(SX)	19700	25.5	0.0	1.4	40.9	119.4	161.6	20.5

TABLE 5. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1982	1982	1982	1981	1980	1982	1981	1980
O'S GOLD 5291(SX)	18500	26.8	0.0	1.8	--	119.4	169.1	--
MIGRO EX 5129(SX)	20900	25.1	0.0	--	--	119.2	--	--
MFA 5802(SX)##	20000	21.7	2.6	2.4	20.4	118.2	143.7	26.6
HAPPEL 3361A(3X)	20800	22.7	3.5	3.3	26.7	117.8	150.5	13.4
WILSON 1800B(SX)	21400	23.3	0.0	--	--	117.2	--	--
BO-JAC 562(SX)	20000	26.2	1.2	--	--	117.1	--	--
GOLDEN HARVEST H-2695(3X)	19200	23.5	0.6	--	--	117.1	--	--
FONTANELLE 611(SX)	18700	22.5	2.6	15.4	71.9	116.9	130.1	37.5
MIGRO HP 555(SX)	19800	22.1	1.7	--	--	116.5	--	--
NC+ 6190(SX)	19700	23.5	1.2	--	--	115.9	--	--
MCCURDY 7676(SX)	19900	23.1	1.9	5.2	--	115.7	159.1	--
IOWA-MISSOURI SX 16(SX)	19900	23.9	1.7	--	--	115.7	--	--
TAYLOR-EVANS T-E 6995-A(SX)	22500	24.8	1.1	10.9	54.9	115.7	145.7	30.3
SUPER CROST 5452(SX)	20200	23.0	0.4	--	--	115.6	--	--
DEKALB XL72B(SX)##	21500	24.5	2.2	5.2	29.9	114.9	145.3	18.6
CARGILL 967(SX)##	22200	25.7	1.1	1.2	15.8	114.7	176.2	31.9
LYNKS LX 4364(SX)	19600	23.4	1.1	--	--	114.2	--	--
PAYMASTER 7601(SX)	22300	24.0	1.6	2.9	51.7	114.2	144.2	21.9
ASGROW RX90(SX)	20400	26.1	2.2	4.8	--	113.6	146.8	--
CMS 513(SX)	21600	26.2	2.2	--	--	113.5	--	--
HAPPEL 8338(SX)	18500	19.3	1.3	--	--	113.2	--	--
LEWIS X93B(SX)	21900	26.0	0.5	--	--	113.0	--	--
FUNK G-4306(SX)##	19900	26.4	3.0	--	--	112.9	--	--
AMERICANA 4730(SX)	20400	29.0	1.7	4.6	50.3	112.6	172.8	30.7
AMERICANA 4100(SX)	21200	23.8	1.7	0.0	--	112.6	159.9	--
GOLD TAG GT 4430(SX)	20300	23.5	1.5	--	--	111.8	--	--
LEWIS X59B(SX)	17500	23.7	0.0	--	--	111.6	--	--
ASGROW RX777(SX)	22600	27.0	0.0	2.3	59.1	111.4	167.6	39.0*
CMS 512(SX)	21100	25.8	0.5	--	--	109.7	--	--
MCCURDY 84AA(SX)	20600	23.0	1.1	3.4	19.1	108.9	164.2	33.2
PAYMASTER 8201(SX)	17700	24.4	0.5	--	--	108.4	--	--
MATURITY GROUP 3								
MIGRO HP-87(SX)	21600	25.2	2.3	5.9	48.0	140.7**	172.5	21.2
IOWA-MISSOURI SX 20(SX)	21000	23.4	1.2	3.8	--	140.0*	189.6*	--
MIGRO M0707(SX)	18800	22.9	0.0	5.7	10.4	132.4*	170.9	22.3
TAYLOR-EVANS T-E 6998(SX)	21100	21.1	2.1	--	--	130.4*	--	--
FONTANELLE 680(SX)	20800	24.7	0.0	--	--	127.4*	--	--
NORTHRUP KING PX 9581(SX)	18300	23.1	2.0	--	--	125.9*	--	--
AMERICANA 4808(SX)	19700	22.7	0.4	3.5	--	125.4	162.3	--
NC+ SX90(SX)	22300	25.7	0.3	--	--	125.0	--	--
FONTANELLE 690(SX)	21100	24.5	1.0	--	--	124.2	--	--
FUNK G-4733(SX)	19800	23.2	1.6	--	--	121.5	--	--
USS 2020	20200	27.8	1.7	2.7	--	121.3	169.9	--
NORTHRUP KING PX 9609(SX)	18000	23.3	4.0	--	--	120.9	--	--
MIGRO HP 771(SX)	22900	23.3	0.8	--	--	120.3	--	--
PAG SX333(SX)	17900	22.0	1.8	1.2	45.1	120.2	155.5	39.5*
PAG SX351(SX)##	19100	25.1	0.6	0.0	51.8	119.2	164.1	54.9**
PIONEER 3090(DX)##	22100	23.1	1.5	1.2	--	113.9	189.2*	--
PIONEER 3377(SX)	18800	24.0	1.2	--	--	118.3	--	--
PIONEER 3358(SX)	21500	23.1	1.6	--	--	117.0	--	--
PIONEER 3183(SX)##	20800	26.7	2.8	2.0	31.3	117.0	199.2**	36.0
PIONEER 3382(SX)##	21100	22.3	0.0	--	16.7	116.5	--	43.3*
PIONEER 3323(SX)	20300	26.5	0.0	4.4	--	106.4	159.9	--
MATURITY GROUP 4								
PAG SX98(SX)##	19800	24.7	3.0	7.5	25.8	130.6*	162.3	17.7
PIONEER 3186(SX)	20000	25.3	2.6	0.0	--	121.3	183.6*	--
TRIAL AVERAGE								
L.S.D. AT .05	20200	23.4	1.2	3.7	32.1	119.4	154.8	29.0
						15.2	22.9	16.5

-- 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 6. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR NOVELTY ON THE GREENLEY MEMORIAL CENTER IN 1980-82. PLANTED: 22 APRIL 1982. HARVESTED: 5 OCTOBER 1982. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS (#/ACRE)		MOIST (%)			LODGING (%)			YIELD (BU/ACRE)		
	1982	1982	1982	1981	1980	1982	1981	1980	1982	1981	1980
MATURITY GROUP 1											
KELTGEN KS115(SX)	19600	22.2	1.0	1.6	13.6	169.5*	168.0				30.9
USS 1010	19600	20.4	0.6	0.0	12.3	163.3*	173.0*				43.3
O'S GOLD 2570(SX)	20900	21.7	0.0	1.6	--	162.5*	156.5				--
FUNK G-4507(SX)##	18900	20.4	0.6	0.0	12.7	162.3*	151.2				34.5
FUNK G-4520(SX)	18700	20.2	0.0	2.0	9.1	159.3*	173.2*				38.9
TAYLOR-EVANS T-E 6995(SX)	18800	20.7	0.6	1.3	7.9	155.4*	150.6				33.4
MCCURDY 7384(SX)	19800	22.3	0.6	--	--	155.0*	--				--
O'S GOLD 5500A(SX)	20200	21.0	0.0	1.3	11.9	153.4	170.4*				39.3
RING AROUND RA 1502(SX)	18500	21.8	0.6	1.3	7.1	151.5	157.2				36.0
AMERICANA 3200(SX)	18900	19.5	1.2	0.0	19.0	150.0	169.8*				29.0
DEKALB XL72AA(SX)##	18700	20.5	0.6	0.8	13.8	149.0	162.8				40.5
TROJAN TXS115A(SX)	15100	20.3	0.0	1.3	12.4	147.5	163.4				31.3
DEKALB XL67(SX)	18600	20.0	0.0	1.2	--	147.4	151.8				--
DEKALB EX6060(SX)	18600	18.0	0.0	--	--	145.8	--				--
O'S GOLD 3344(SX)	17100	20.0	4.1	4.8	43.1	145.5	149.6				60.4*
DEKALB EX6261(SX)	17400	18.3	0.6	--	--	145.4	--				--
NORTHROP KING PX 74(SX)	16900	21.1	0.9	3.1	7.7	144.6	151.8				40.3
RING AROUND RA 1604(SX)	20200	23.2	0.4	3.7	--	144.0	184.6*				--
SUPER CROST 5438(SX)	18700	21.1	0.0	--	--	143.4	--				--
TROJAN T1100(SX)	17000	19.1	0.0	0.8	--	142.7	163.7				--
SUPER CROST 4350(SPX)	18100	18.0	0.0	--	--	140.8	--				--
BURRUS BX23(SX)	18300	18.4	2.2	--	--	140.5	--				--
GOLDEN HARVEST H-2500(SX)##	18100	19.1	0.0	0.8	11.5	140.4	145.1				38.9
SUPER CROST 4661(SX)	18700	17.8	1.8	--	--	140.1	--				--
CARGILL 924(SX)	19700	18.9	0.5	2.3	11.8	138.9	139.3				53.1
O'S GOLD 6882(SX)	18800	19.0	0.0	0.0	--	138.0	173.2*				--
FUNK G-4578(SX)	19700	21.6	0.5	--	--	137.9	--				--
KELTGEN KS114(SX)	17400	17.8	0.0	0.6	--	137.5	147.8				--
NORTHROP KING PX 79(SX)	18100	20.8	2.4	--	--	137.1	--				--
JACQUES 8220(SX)	19400	23.1	0.0	--	--	137.1	--				--
JACQUES JX180(SX)	16600	20.7	0.7	--	8.6	136.9	--				47.4
DEKALB EX5657(SX)	19900	18.5	1.8	--	--	135.9	--				--
FUNK G-4522(SX)	19200	19.8	0.6	1.1	--	135.0	145.8				--
CARGILL 921(SX)	20500	19.3	1.1	0.6	32.3	131.4	145.6				54.0
RING AROUND RA 1404(SX)	17300	18.6	0.0	--	--	131.3	--				--
STAUFFER SEEDS 6596(SX)	19100	19.1	0.0	--	--	129.3	--				--
CARGILL 922(SX)	17900	19.1	0.0	--	--	129.3	--				--
NORTHROP KING PX 9527(SX)	16400	18.0	0.0	--	--	126.5	--				--
KELTGEN KS112(SX)	18500	18.1	1.3	0.9	--	124.9	148.4				--
AMERICANA 3100(SX)	17100	18.6	0.0	0.6	--	115.6	149.2				--
USS 0525	15700	15.8	0.0	1.6	--	102.6	135.2				--
MATURITY GROUP 2											
AMERICANA 4730(SX)	18300	22.1	0.0	0.7	19.7	168.3*	163.2				66.2*
WILSON 1800A(SX)	20800	22.9	0.5	2.3	16.4	167.1*	172.7*				37.6
STAUFFER SEEDS 114+	18600	22.8	0.0	0.5	--	164.5*	162.2				--
LEWIS X93B(SX)	20600	20.5	0.0	--	--	164.1*	--				--
CARGILL 967(SX)##	20800	21.3	0.6	2.9	10.3	162.5*	190.3**				39.7
PAYMASTER 8201(SX)	16200	19.9	2.4	--	--	162.3*	--				--
STAUFFER SEEDS 7759	19900	20.0	0.0	0.7	--	160.6*	167.0				--
NC+ 7120(SX)	17700	22.5	1.3	--	--	158.7*	--				--
ASGROW RX90(SX)	17900	20.6	1.8	3.8	--	158.6*	156.9				--
MCCURDY 84AA(SX)	18000	21.1	0.6	1.3	9.5	157.7*	178.1*				35.8
MFA 6708(SX)	15900	22.3	0.8	2.3	--	157.3*	165.6				--
MIGRO SPX 77(SX)	17900	23.6	1.3	1.6	--	157.3*	159.5				--
BO-JAC 562(SX)	19200	22.6	0.0	--	--	157.0*	--				--
DEKALB XL73(SX)	18200	19.9	2.8	0.5	--	155.8*	182.3*				--
CHS 512(SX)	18600	20.8	0.0	--	--	155.3*	--				--
TAYLOR-EVANS T-E 6995-A(SX)	22100	21.9	0.5	2.8	33.5	154.8*	138.5				33.4
BURRUS BX39(SX)	18600	21.8	0.0	--	8.9	151.9	--				40.5
HAPPEL 3361A(3X)	19600	19.5	3.6	2.0	21.0	151.3	139.3				41.2
ASGROW RX777(SX)	21100	20.1	0.0	4.8	16.5	150.2	150.7				58.0
LEWIS X74B(SX)	17300	22.0	0.6	--	--	149.8	--				--
MIGRO HP 555(SX)	19700	20.2	0.0	--	--	149.7	--				--
GOLDEN HARVEST H-2686(SX)	16800	28.7	0.7	--	--	149.3	--				--
AMERICANA 4640(SX)	17300	21.0	0.0	4.2	5.4	148.7	170.4*				42.2
NC+ 6190(SX)	19300	20.0	1.2	--	--	148.4	--				--
PAYMASTER 7601(SX)	19100	20.1	0.0	0.0	8.8	148.2	159.7				59.5*
WILSON 1800B(SX)	18000	22.1	0.0	--	--	147.9	--				--
HAPPEL MS-80(SX)	18500	20.0	1.2	1.1	12.5	147.4	175.7*				37.0
MFA 6707(SX)	17700	20.4	0.0	0.7	19.4	146.6	188.7*				54.9
NC+ 8331(SX)	15900	22.5	0.0	0.5	10.9	146.1	143.2				61.1*
DEKALB EX7778(SX)	16000	21.5	0.0	--	--	146.1	--				--
O'S GOLD 5291(SX)	16500	23.5	0.0	0.0	--	145.7	168.6*				--
MCCURDY 7676(SX)	18000	20.0	0.0	1.8	--	145.2	168.8*				--
CHS 513(SX)	20800	20.9	0.0	--	--	144.9	--				--
DEKALB XL 71(SX)	19200	23.1	2.0	--	16.2	144.9	--				25.4
DEKALB XL72B(SX)##	18200	23.5	1.4	0.5	9.6	144.8	164.9				46.9
ASGROW RX864(3X)	21100	20.0	0.5	--	--	144.7	--				--
WILSON 1900(SX)	18800	18.4	0.6	2.8	--	144.2	166.3				--

TABLE 6. CONTINUED.

BRAND-HYBRID	PLANTS		LODGING			YIELD		
	(#/ACRE)	MOIST (%)	%			(BU/ACRE)		
	1982	1982	1982	1981	1980	1982	1981	1980
FUNK G-4673A(SX)	18500	21.5	0.6	--	--	143.0	--	--
LEWIS X63B(SX)	17100	18.6	0.7	--	--	143.0	--	--
BURRUS BX38(SX)	16600	21.2	0.7	--	--	142.5	--	--
GOLDEN HARVEST H-2680(SX)##	17700	23.5	0.0	1.1	12.9	142.2	109.7	29.3
AMERICANA 4100(SX)	18200	19.3	0.0	0.0	--	142.2	185.0*	--
LYNKS LX 4500(SX)	18700	23.5	0.6	1.2	12.7	142.0	178.0*	51.1
KELTGEN K5116(SX)	19900	21.5	0.0	--	--	141.8	--	--
CHS 516(SX)	20000	20.7	0.0	--	--	141.6	--	--
MFA 5802(SX)##	16900	20.9	0.0	1.2	21.1	141.5	175.1*	31.8
LYNKS LX 4355(SX)	17600	20.9	1.3	0.7	--	141.0	189.6*	--
TROJAN T1230(SX)	19400	24.0	0.0	--	9.9	140.7	--	34.9
PAYMASTER 6990(SX)	19300	18.2	0.6	--	--	140.6	--	--
GOLD TAG GT 4430(SX)	17500	22.0	1.4	--	--	140.6	--	--
IOWA-MISSOURI SX 16(SX)	16400	19.8	0.6	--	--	139.2	--	--
FONTANELLE 611(SX)	17700	18.1	0.0	0.6	51.3	138.6	150.9	60.1*
FONTANELLE 580(SX)	17400	21.6	1.3	3.1	7.5	138.3	156.9	34.4
BO-JAC 923(SX)	17600	23.3	1.3	--	10.8	137.4	--	37.6
IOWA-MISSOURI MSX 118(SPX)	17300	20.7	0.7	--	--	137.1	--	--
FUNK G-4606(SX)##	17600	20.9	0.0	--	--	134.9	--	--
LEWIS X81B(SX)	17900	24.3	0.6	0.6	16.6	134.7	144.9	40.2
GOLDEN HARVEST H-2695(SX)	18100	23.0	3.7	--	--	133.5	--	--
MCALLISTER SX7918	17600	24.3	2.7	0.5	15.4	133.3	187.7*	33.3
SUPER CROST 7600(SX)	17500	22.8	0.6	0.0	18.9	132.9	152.1	72.3**
MIGRO EX 5129(SX)	17400	21.4	0.7	--	--	131.8	--	--
SUPER CROST 5452(SX)	16600	19.7	1.4	--	--	127.4	--	--
JACQUES JX247(SX)	17600	23.9	1.3	--	22.0	127.3	--	40.9
LEWIS X59B(SX)	15000	20.6	0.8	--	--	126.1	--	--
HAPPEL 8338(SX)	17900	18.2	0.6	--	--	122.8	--	--
LYNKS LX 4364(SX)	18800	19.8	0.7	--	--	121.3	--	--
US-13(DX)	17700	20.2	10.7	9.7	33.4	120.9	115.8	36.7
CHS 514(SX)	13400	21.3	3.6	--	--	102.8	--	--
MATURITY GROUP 3								
FONTANELLE 680(SX)	18300	21.8	1.3	--	--	175.6**	--	--
PIONEER 3323(SX)	17400	21.4	0.6	0.5	--	165.1*	181.1*	--
MIGRO M0707(SX)	19800	21.5	0.0	4.0	8.1	163.2*	156.1	39.5
PAG SX351(SX)##	18100	21.3	0.6	1.0	25.6	161.8*	169.7*	38.8
IOWA-MISSOURI SX 20(SX)	19300	21.1	2.5	1.9	--	160.0*	188.1*	--
NORTHROP KING PX 9609(SX)	18000	21.7	0.0	--	--	155.2*	--	--
PIONEER 3183(SX)##	19900	22.0	1.7	1.1	9.1	151.4	186.9*	48.9
PAG SX333(SX)	18800	21.3	0.0	0.6	11.1	148.6	155.1	45.5
USS 2020	18800	24.3	1.8	1.9	--	147.1	163.5	--
AMERICANA 4808(SX)	14100	21.8	2.6	2.6	--	147.0	177.8*	--
PIONEER 3377(SX)	19300	19.1	0.0	--	--	146.5	--	--
PIONEER 3358(SX)	19400	22.2	0.0	--	--	145.7	--	--
FONTANELLE 690(SX)	20400	21.7	0.5	--	--	142.4	--	--
NORTHROP KING PX 9581(SX)	18800	20.7	1.2	--	--	140.8	--	--
PIONEER 3382(SX)##	17500	20.5	0.0	--	13.8	140.4	--	44.9
MIGRO HP-87(SX)	18200	23.6	0.0	0.0	25.6	138.5	146.6	38.6
PIONEER 3090(DX)##	21100	21.7	1.8	1.2	--	132.9	171.1*	--
NC+ SX90(SX)	17900	21.6	0.0	--	--	130.5	--	--
FUNK G-4733(SX)	18700	22.2	0.0	--	--	130.2	--	--
MIGRO HP 771(SX)	20000	22.6	0.0	--	--	129.7	--	--
TAYLOR-EVANS T-E 6998(SX)	18500	24.6	6.2	--	--	125.8	--	--
MATURITY GROUP 4								
PIONEER 3186(SX)	20900	21.5	0.0	0.7	--	157.4*	154.2	--
PAG SX98(SX)##	19600	23.5	1.8	3.3	10.3	148.5	159.5	44.8
TRIAL AVERAGE								
L.S.D. AT .05	18300	20.9	0.8	1.4	16.3	144.3	158.1	43.3
						21.0	22.2	13.6

-- 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 7. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT THREE NORTH MISSOURI LOCATIONS (FAIRFAX, SPICKARD, AND NOVELTY) IN 1982. PLANTED POPULATION: 23000.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	FAIRFAX	SPICKRD	GREENLY	MEAN	FAIRFAX	SPICKRD	GREENLY	MEAN
MATURITY GROUP 1								
MCCURDY 7384(SX)	0.0	0.0	0.6	0.2	167.3*	130.4*	155.0*	150.9*
RING AROUND RA 1604(SX)	0.0	3.3	0.4	1.2	166.9*	126.5*	144.0	145.8
O'S GOLD 5500A(SX)	0.7	1.7	0.0	0.8	162.1	119.4	153.4	144.9
FUNK G-4507(SX)##	1.4	1.1	0.6	1.0	151.7	118.6	162.3*	144.2
O'S GOLD 2570(SX)	1.4	0.5	0.0	0.6	159.7	109.5	162.5*	143.9
FUNK G-4520(SX)	2.2	1.2	0.0	1.1	152.2	115.6	159.3*	142.3
AMERICANA 3200(SX)	1.3	1.9	1.2	1.4	157.2	117.5	150.0	141.5
DEKALB EX6060(SX)	2.1	1.0	0.0	1.0	152.7	118.6	145.8	139.0
USS 1010	1.5	0.5	0.6	0.8	139.2	114.6	163.3*	139.0
TAYLOR-EVANS T-E 6995(SX)	0.7	1.1	0.6	0.8	154.2	107.0	155.4*	138.8
FUNK G-4578(3X)	1.3	1.1	0.5	0.9	152.6	124.5	137.9	138.3
DEKALB XL67(SX)	0.0	1.2	0.0	0.4	148.7	118.7	147.4	138.2
RING AROUND RA 1502(SX)	0.0	0.6	0.6	0.4	140.2	121.7	151.5	137.8
SUPER CROST 4661(SX)	0.0	1.8	1.8	1.2	153.7	119.2	140.1	137.6
CARGILL 921(SX)	0.0	1.8	1.1	0.9	159.3	118.6	131.4	136.4
JACQUES 8220(SX)	0.6	1.8	0.0	0.8	155.1	117.0	137.1	136.4
KELTGEN KS115(SX)	6.8	1.2	1.0	3.0	127.9	110.6	169.5*	136.0
GOLDEN HARVEST H-2500(SX)##	0.0	0.5	0.0	0.1	146.4	121.0	140.4	135.9
DEKALB EX6261(SX)	0.5	0.0	0.6	0.3	147.0	112.9	145.4	135.1
TROJAN TXS115A(SX)	0.0	3.4	0.0	1.1	147.8	109.1	147.5	134.8
FUNK G-4522(SX)	0.0	1.5	0.6	0.7	150.4	118.5	135.0	134.6
JACQUES JX180(SX)	1.6	0.7	0.7	1.0	145.5	121.4	136.9	134.6
NORTHROP KING PX 79(SX)	2.7	0.0	2.4	1.7	158.3	107.7	137.1	134.3
NORTHROP KING PX 74(SX)	1.3	1.1	0.9	1.1	136.3	121.5	144.6	134.1
CARGILL 924(SX)	1.2	2.1	0.5	1.2	149.6	113.8	138.9	134.1
DEKALB XL72AA(SX)##	3.7	0.0	0.6	1.4	140.1	112.5	149.0	133.8
O'S GOLD 6882(SX)	0.6	1.2	0.0	0.6	142.6	118.0	138.0	132.8
O'S GOLD 3344(SX)	2.2	3.8	4.1	3.3	143.1	109.4	145.5	132.6
DEKALB EX5657(SX)	1.4	3.6	1.8	2.2	146.0	115.3	135.9	132.4
TROJAN T1100(SX)	0.0	1.1	0.0	0.3	138.2	113.2	142.7	131.3
SUPER CROST 5438(SX)	0.5	1.6	0.0	0.7	133.3	113.9	143.4	130.2
SUPER CROST 4350(SPX)	1.8	0.5	0.0	0.7	133.9	115.7	140.8	130.1
BURRUS BX23(SX)	2.1	0.0	2.2	1.4	125.8	118.7	140.5	128.3
CARGILL 922(SX)	0.0	0.0	0.0	0.0	138.6	115.7	129.3	127.8
KELTGEN KS114(SX)	1.4	1.1	0.0	0.8	139.1	102.3	137.5	126.3
KELTGEN KS112(SX)	0.8	0.6	1.3	0.9	133.2	118.3	124.9	125.4
RING AROUND RA 1404(SX)	0.6	1.9	0.0	0.8	123.6	117.6	131.3	124.1
AMERICANA 3100(SX)	0.0	0.0	0.0	0.0	140.7	106.9	115.6	121.0
STAUFFER SEEDS 6596(SX)	1.1	0.5	0.0	0.5	115.6	116.9	129.3	120.6
NORTHROP KING PX 9527(SX)	1.4	1.2	0.0	0.8	117.7	113.7	126.5	119.3
USS 0525	0.6	1.6	0.0	0.7	111.0	121.9	102.6	111.8
MATURITY GROUP 2								
MFA 6703(SX)	1.1	2.3	0.8	1.4	184.9*	124.9	157.3*	155.7*
TAYLOR-EVANS T-E 6995-A(SX)	3.0	1.1	0.5	1.5	187.3*	115.7	154.8*	152.6*
AMERICANA 4730(SX)	0.5	1.7	0.0	0.7	174.5*	112.6	168.3*	151.8*
WILSON 1800A(SX)	4.5	1.0	0.5	2.0	153.7	130.9*	167.1*	150.5*
LEWIS X74B(SX)	0.5	0.5	0.6	0.5	170.0*	131.1*	149.8	150.3*
DEKALB EX7778(SX)	1.9	0.5	0.0	0.8	168.4*	131.0*	146.1	148.5*
BO-JAC 562(SX)	2.0	1.2	0.0	1.0	171.0*	117.1	157.0*	148.3*
TROJAN T1230(SX)	3.6	1.6	0.0	1.7	177.3*	124.2	140.7	147.4*
DEKALB XL73(SX)	1.3	6.5	2.8	3.5	161.5	122.5	155.8*	146.6
GOLDEN HARVEST H-2686(SX)	5.0	1.0	0.7	2.2	155.4	135.2*	149.3	146.6
MFA 6707(SX)	1.7	1.5	0.0	1.0	172.4*	120.0	146.6	146.3
GOLDEN HARVEST H-2680(SX)##	1.2	1.0	0.0	0.7	167.1*	128.3*	142.2	145.8
NC+ 7120(SX)	0.4	0.0	1.3	0.5	156.2	121.7	158.7*	145.5
BURRUS BX38(SX)	0.0	0.7	0.7	0.4	167.3*	126.4*	142.5	145.4
CARGILL 967(SX)##	3.1	1.1	0.6	1.6	158.9	114.7	162.5*	145.3
NC+ 8331(SX)	1.4	0.0	0.0	0.4	167.4*	119.4	146.1	144.3
STAUFFER SEEDS 7759	0.0	1.7	0.0	0.5	148.7	123.8	160.6*	144.3
MCCURDY 7676(SX)	0.0	1.9	0.0	0.6	171.7*	115.7	145.2	144.2
MIGRO SPX 77(SX)	0.6	0.5	1.3	0.8	150.4	124.8	157.3*	144.1
AMERICANA 4640(SX)	0.0	0.5	0.0	0.1	157.8	125.7*	148.7	144.0
STAUFFER SEEDS 114+	0.0	0.7	0.0	0.2	143.2	124.5	164.5*	144.0
LEWIS X93B(SX)	0.7	0.5	0.0	0.4	150.9	113.0	164.1*	142.6
WILSON 1900(SX)	1.4	0.5	0.6	0.8	153.2	129.7*	144.2	142.3
BO-JAC 923(SX)	2.0	1.2	1.3	1.5	155.6	131.1*	137.4	141.3
PAYMASTER 7601(SX)	0.5	1.6	0.0	0.7	161.7	114.2	148.2	141.3
DEKALB XL 71(SX)	0.7	0.0	2.0	0.9	158.1	120.2	144.9	141.0
PAYMASTER 8201(SX)	0.7	0.5	2.4	1.2	152.3	108.4	162.3*	141.0
LYNKS LX 4500(SX)	1.3	0.6	0.6	0.8	160.3	120.5	142.0	140.9
ASGROW RX90(SX)	0.0	1.2	1.8	1.0	149.6	113.6	158.6*	140.6
KELTGEN KS116(SX)	1.0	0.0	0.0	0.3	159.5	120.3	141.8	140.5
LEWIS X81B(SX)	1.3	1.8	0.6	1.2	157.2	129.4*	134.7	140.4
GOLDEN HARVEST H-2695(3X)	5.4	0.6	3.7	3.2	170.7*	117.1	133.5	140.4
C'S GOLD 5291(SX)	0.6	0.0	0.0	0.2	155.1	119.4	145.7	140.0
ASGROW RX777(SX)	1.4	0.0	0.0	0.4	158.5	111.4	150.2	140.0
FUNK G-4673A(SX)	6.2	0.5	0.6	2.4	154.4	121.0	143.0	139.4
ASGROW RX864(SX)	0.5	1.4	0.5	0.8	150.1	122.9	144.7	139.2
NC+ 6190(SX)	1.2	1.2	1.2	1.2	153.4	115.9	148.4	139.2

TABLE 7. CONTINUED.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	FAIRFAX	SPICKRD	GREENLY	MEAN	FAIRFAX	SPICKRD	GREENLY	MEAN
JACQUES JX247(SX)	3.4	1.1	1.3	1.9	157.5	131.2*	127.3	138.6
BURRUS BX39(SX)	0.6	1.8	0.0	0.8	136.9	126.3*	151.9	138.3
HAPPEL MS-80(SX)	0.5	1.2	1.2	0.9	144.3	122.0	147.4	137.9
FONTANELLE 611(SX)	1.2	2.6	0.0	1.2	157.9	116.9	138.6	137.8
MCCURDY 84AA(SX)	0.0	1.1	0.6	0.5	145.9	108.9	157.7*	137.5
MCALLISTER SX7918	1.9	1.1	2.7	1.9	153.1	124.3	133.3	136.9
SUPER CROST 7600(SX)	0.6	0.6	0.6	0.6	153.3	123.5	132.9	136.5
MIGRO HP 555(SX)	3.0	1.7	0.0	1.5	143.2	116.5	149.7	136.4
FONTANELLE 580(SX)	1.1	0.6	1.3	1.0	150.8	120.0	138.3	136.3
CMS 516(SX)	0.6	0.6	0.0	0.4	142.9	123.9	141.6	136.1
HAPPEL 3361A(3X)	2.1	3.5	3.6	3.0	138.6	117.8	151.3	135.9
CMS 512(SX)	0.0	0.5	0.0	0.1	139.5	109.7	155.3*	134.8
GOLD TAG GT 4430(SX)	0.0	1.5	1.4	0.9	151.7	111.8	140.6	134.7
MFA 5802(SX)##	1.6	2.6	0.0	1.4	144.0	118.2	141.5	134.5
DEKALB XL72B(SX)##	1.1	2.2	1.4	1.5	142.1	114.9	144.8	133.9
PAYMASTER 6990(SX)	1.2	0.4	0.6	0.7	139.6	119.9	140.6	133.3
IOWA-MISSOURI MSX 118(SPX)	0.6	1.1	0.7	0.8	140.7	121.5	137.1	133.1
LEWIS X63B(SX)	1.9	0.5	0.7	1.0	131.0	124.8	143.0	132.9
WILSON 1800B(SX)	0.8	0.0	0.0	0.2	133.3	117.2	147.9	132.8
MIGRO EX 5129(SX)	0.0	0.0	0.7	0.2	146.0	119.2	131.8	132.3
FUNK G-4606(SX)##	0.6	3.0	0.0	1.2	147.7	112.9	134.9	131.8
LYNKS LX 4355(SX)	0.0	1.7	1.3	1.0	134.6	119.6	141.0	131.7
AMERICANA 4100(SX)	0.6	1.7	0.0	0.7	140.1	112.6	142.2	131.6
CMS 513(SX)	0.7	2.2	0.0	0.9	135.7	113.5	144.9	131.3
LEWIS X59B(SX)	1.9	0.0	0.8	0.9	149.6	111.6	126.1	129.1
IOWA-MISSOURI SX 16(SX)	0.6	1.7	0.6	0.9	128.9	115.7	139.2	127.9
LYNKS LX 4364(SX)	1.9	1.1	0.7	1.2	139.0	114.2	121.3	124.8
SUPER CROST 5452(SX)	0.7	0.4	1.4	0.8	127.2	115.6	127.4	123.4
CMS 514(SX)	2.0	4.0	3.6	3.2	128.7	129.9*	102.8	120.4
US-13(DX)	11.8	5.1	10.7	9.2	113.1	120.0	120.9	118.0
HAPPEL 8338(SX)	1.2	1.3	0.6	1.0	114.7	113.2	122.8	116.9
MATURITY GROUP 3								
IOWA-MISSOURI SX 20(SX)	2.4	1.2	2.5	2.0	172.0*	140.0*	160.0*	157.3**
FONTANELLE 680(SX)	0.7	0.0	1.3	0.6	158.4	127.4*	175.6**	153.8*
MIGRO M0707(SX)	0.7	0.0	0.0	0.2	154.9	132.4*	163.2*	150.1*
AMERICANA 4808(SX)	0.6	0.4	2.6	1.2	177.8*	125.4	147.0	150.0*
PAG SX333(SX)	2.4	1.8	0.0	1.4	181.2*	120.2	148.6	150.0*
MIGRO HP-87(SX)	4.3	2.3	0.0	2.2	165.9*	140.7**	138.5	148.3*
PIONEER 3323(SX)	1.1	0.0	0.6	0.5	170.2*	106.4	165.1*	147.2*
PAG SX351(SX)##	0.6	0.6	0.6	0.6	159.4	119.2	161.8*	146.8*
USS 2020	2.5	1.7	1.8	2.0	171.9*	121.3	147.1	146.7*
PIONEER 3377(SX)	1.3	1.2	0.0	0.8	173.5*	118.3	146.5	146.1
FONTANELLE 690(SX)	2.3	1.0	0.5	1.2	171.2*	124.2	142.4	145.9
NORTHRUP KING PX 9609(SX)	1.9	4.0	0.0	1.9	160.6	120.9	155.2*	145.5
PIONEER 3358(SX)	0.0	1.6	0.0	0.5	167.0*	117.0	145.7	143.2
NORTHRUP KING PX 9581(SX)	2.2	2.0	1.2	1.8	160.7	125.9*	140.8	142.4
PIONEER 3183(SX)##	2.7	2.8	1.7	2.4	155.7	117.0	151.4	141.3
NC+ SX90(SX)	0.6	0.3	0.0	0.3	163.9	125.0	130.5	139.8
PIONEER 3090(DX)##	3.3	1.5	1.8	2.2	164.6	118.9	132.9	138.8
MIGRO HP 771(SX)	1.3	0.8	0.0	0.7	158.9	120.3	129.7	136.3
FUNK G-4733(SX)	1.2	1.6	0.0	0.9	157.3	121.5	130.2	136.3
TAYLOR-EVANS T-E 6998(SX)	1.9	2.1	6.2	3.4	143.7	130.4*	125.8	133.3
PIONEER 3382(SX)##	0.0	0.0	0.0	0.0	139.5	116.5	140.4	132.1
MATURITY GROUP 4								
PIONEER 3186(SX)	1.7	2.6	0.0	1.4	181.8*	121.3	157.4*	153.5*
PAG SX98(SX)##	3.4	3.0	1.8	2.7	156.6	130.6*	148.5	145.2
TRIAL AVERAGE								
L.S.D. AT .05	1.4	1.2	0.8	1.1	151.4	119.4	144.3	138.3
					22.5	15.2	21.0	10.7

** 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 8. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR MARSHALL ON THE FRANK SWISHER FARM IN 1981-82 AND NEAR CARROLLTON ON THE SINGLETON FARM IN 1980.
PLANTED: 23 APRIL 1982. HARVESTED: 22 OCTOBER 1982. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1982	1981	1980	1982	1981	1980
MATURITY GROUP 1								
O'S GOLD 2570(SX)	20200	21.3	1.8	1.1	--	197.7**	137.4*	--
FUNK G-4507(SX)##	18500	24.0	2.0	11.5	10.3	190.7*	122.7	101.0*
FUNK G-4514(SX)	20300	21.2	0.5	--	--	176.2*	--	--
USS 1010	13700	21.0	18.9	7.2	3.5	175.5*	113.5	85.4
DEKALB XL72AA(SX)##	16800	20.0	0.0	6.0	1.4	170.9*	120.2	100.8*
FUNK G-4522(SX)	20200	20.3	1.1	2.3	--	170.8*	116.2	--
CARGILL 924(SX)	20900	20.5	1.1	--	2.8	170.4*	--	78.4
JACQUES 8220(SX)	18500	24.0	2.4	--	--	169.8*	--	--
TAYLOR-EVANS T-E 6995(SX)	19100	22.0	0.5	10.9	0.0	167.2*	110.8	83.1
O'S GOLD 6882(SX)	20300	21.9	0.0	--	--	166.7*	--	--
AMERICANA 3200(SX)	18900	21.1	11.7	--	3.8	165.9*	--	87.4
CARGILL 921(SX)	19100	20.3	0.0	6.4	2.3	165.3*	101.3	95.2*
RING AROUND RA 1502(SX)	17100	21.9	0.0	1.4	0.0	154.7	147.2*	64.8
BURRUS BX21(SX)	18800	20.3	0.0	3.8	--	154.3	91.3	--
RING AROUND RA 1604(SX)	18800	20.8	0.0	7.8	2.5	153.9	132.7*	110.9*
TROJAN T1100(SX)	20000	20.1	0.6	3.7	--	153.3	98.0	--
GOLDEN HARVEST H-2500(SX)##	16800	21.2	0.7	1.9	0.0	150.1	133.2*	85.2
FEDERAL FX39(SX)	14100	20.7	5.1	2.1	4.3	149.6	105.3	110.9*
NORTHROP KING PX 79(SX)	17700	20.1	2.0	--	--	144.3	--	--
AMERICANA 3100(SX)	17300	19.3	2.8	8.7	--	142.4	112.2	--
SUPER CROST 5438(SX)	19400	21.1	0.0	--	--	142.2	--	--
FUNK G-4520(SX)	16000	21.7	0.7	--	--	140.7	--	--
TROJAN TX5115A(SX)	15000	20.4	0.0	6.5	4.1	140.6	114.1	90.0
FUNK G-4578(SX)	19300	21.5	2.9	--	--	139.3	--	--
DEKALB EX6261(SX)	17600	20.3	0.0	--	--	135.7	--	--
SUPER CROST 4350(SPX)	20600	19.7	1.2	--	--	133.7	--	--
MATURITY GROUP 2								
NC+ 7120(SX)	17700	21.3	0.6	--	--	194.5*	--	--
STAUFFER SEEDS 7767	18000	21.9	3.1	--	--	185.7*	--	--
BO-JAC 562(SX)	20200	21.5	0.0	--	--	181.7*	--	--
AMERICANA 4640(SX)	15900	22.1	0.7	4.5	3.3	180.8*	122.2	94.2*
MIGRO SPX 77(SX)	19700	22.1	1.1	--	0.7	180.2*	--	79.8
TROJAN T1230(SX)	18900	21.3	2.7	6.4	1.7	176.1*	135.8*	96.6*
STAUFFER SEEDS 7795	19600	20.4	0.0	0.0	4.0	175.6*	129.1*	99.9*
DEKALB EX7979(SX)	19700	21.8	1.8	--	--	175.2*	--	--
NC+ 6190(SX)	17500	20.8	0.0	--	--	174.9*	--	--
MFA 5802(SX)##	17100	20.7	2.7	4.9	6.0	174.8*	131.4*	87.7
STAUFFER SEEDS 114+	19900	21.6	1.1	2.6	--	174.5*	132.6*	--
O'S GOLD 5509(SX)	17900	22.0	2.2	8.0	4.7	172.0*	121.6	86.6
CARGILL 967(SX)##	20400	21.8	3.8	11.6	4.2	171.7*	137.8*	88.2
FUNK G-4673A(SX)	20000	21.2	0.5	--	--	171.0*	--	--
FEDERAL FX40A(SX)	15700	20.4	4.3	--	--	170.5*	--	--
MCCURDY 7787(SX)	18800	21.8	0.0	22.3	8.1	170.4*	115.5	86.9
O'S GOLD 5291(SX)	17100	21.3	1.3	5.0	--	170.3*	125.8	--
MCCURDY 81-82(SX)	19400	21.7	0.5	--	--	170.2*	--	--
ZIMMERMAN Z25Y(SX)	18100	21.9	2.0	--	--	169.8*	--	--
DEKALB XL72B(SX)##	18600	21.8	0.7	10.2	6.3	169.4*	96.7	100.4*
TAYLOR-EVANS T-E 6995-A(SX)	19200	22.7	3.3	8.6	3.3	169.1*	107.2	80.5
CMS 516(SX)	19300	23.1	4.3	--	--	166.8*	--	--
STAUFFER SEEDS 7759	18700	20.5	1.9	0.5	--	166.8*	129.9*	--
LEWIS X74B(SX)	17300	21.7	0.7	--	--	165.8*	--	--
GOLDEN HARVEST H-2680(SX)##	19600	22.3	1.2	12.1	7.1	165.5*	133.3*	87.6
GOLDEN HARVEST H-2630(SX)	18500	21.8	0.0	--	--	165.4*	--	--
NC+ 8331(SX)	17300	22.6	0.7	4.0	6.0	164.7*	107.8	51.5
MFA 6707(SX)	17700	20.3	0.0	6.4	0.8	163.8*	107.4	110.3*
JACQUES JX247(SX)	18200	22.5	0.6	--	9.9	163.6*	--	90.4
CMS 513(SX)	18700	20.2	5.1	--	--	162.4*	--	--
LEWIS X93B(SX)	19100	20.0	0.5	--	--	160.6*	--	--
BURRUS BX39(SX)	17300	21.5	0.0	1.3	--	160.0	149.2**	--
DEKALB XL73(SX)	20900	21.4	2.2	5.6	--	159.9	120.3	--
DEKALB XL 71(SX)	18700	22.7	0.0	--	2.4	158.8	--	81.9
COKER 19(SX)	17400	21.1	0.0	--	--	158.3	--	--
AMERICANA 4100(SX)	19400	20.4	1.2	11.8	--	158.1	112.8	--
MIGRO HP 555(SX)	19700	20.7	0.0	--	--	157.4	--	--
HAPPEL 3361A(SX)	17500	20.6	0.6	8.8	2.9	157.4	100.1	84.2
LEWIS X82B(SX)	20400	21.6	1.2	--	--	157.3	--	--
ASGROW RX909(SX)	18500	21.5	0.0	6.9	5.9	156.8	98.1	87.6
LYNKS LX 4500(SX)	16900	21.0	1.9	3.0	1.3	156.6	116.6	85.1
ASGROW RX777(SX)	17100	20.5	7.8	12.5	--	155.5	120.1	--
HAPPEL MS-80(SX)	18600	19.8	0.0	6.6	2.6	155.4	127.4	91.6*
CMS 512(SX)	15900	20.0	6.9	--	--	155.3	--	--
MIGRO EX 5129(SX)	18500	21.8	0.0	--	--	155.1	--	--
MFA 6708(SX)	17700	21.5	3.2	6.0	--	154.8	114.2	--
LYNKS LX 4355(SX)	16900	22.0	2.9	2.1	--	154.1	119.0	--
DEKALB EX7778(SX)	21900	21.5	0.5	--	--	153.9	--	--
GOLDEN HARVEST H-2686(SX)	18500	22.0	4.4	--	--	152.3	--	--
GOLD TAG GT 4022(SX)	18000	22.0	2.0	8.5	0.0	151.1	117.0	88.2
STEWART 77(SPX)	19400	22.1	1.2	--	--	148.5	--	--
AMERICANA 4730(SX)	19900	22.7	0.0	6.9	8.7	148.5	108.1	102.1*

TABLE 8. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1982	1982	1982	1981	1980	1982	1981	1980
GOLDEN HARVEST H-2695(3X)	18500	22.2	2.1	--	--	148.3	--	--
MCCURDY 84AA(SX)	21600	21.4	2.2	2.2	2.3	147.8	129.1*	89.2
BO-JAC 923(SX)	16900	21.9	0.0	--	5.5	146.9	--	88.9
PAYMASTER 7601(SX)	20000	20.5	0.0	1.5	10.0	146.5	97.7	87.2
SUPER CROST 7801(SX)	17500	21.2	1.2	--	--	145.5	--	--
SUPER CROST 5452(SX)	15600	20.5	0.8	--	--	145.3	--	--
TROJAN T1189(SX)	19200	21.8	0.0	0.0	--	144.8	115.4	--
GOLD TAG GT 4430(SX)	15900	20.8	0.0	--	--	144.6	--	--
GROAGRI 2300	18100	21.4	1.2	7.6	1.0	143.9	122.4	67.9
PAYMASTER 8201(SX)	17400	20.5	0.0	--	--	143.6	--	--
LEWIS X58B(SX)	17100	21.5	0.7	--	--	143.4	--	--
LEWIS X83B(SX)	20600	21.9	0.0	--	--	143.2	--	--
COKER 19A(SPX)	20800	22.1	1.1	--	--	142.6	--	--
HAPPEL 8338(SX)	19200	19.2	0.6	--	--	142.2	--	--
CMS 514(SX)	14600	22.1	3.2	--	--	141.8	--	--
FUNK G-4606(SX)##	17900	21.5	6.0	11.7	8.9	141.3	115.2	83.4
STEWART 7384(SX)	16800	21.1	0.8	--	--	138.5	--	--
US-13(DX)	18600	19.5	15.9	36.5	14.0	130.2	79.2	55.2
COKER 16(SPX)	16800	19.6	1.4	--	--	129.9	--	--
MATURITY GROUP 3								
PRINCETON SX870	17700	22.0	0.0	6.5	--	182.7*	110.8	--
PIONEER 3377(SX)	18600	19.8	0.0	--	--	182.0*	--	--
PAG SX351(SX)##	19300	19.8	0.0	2.6	1.4	182.0*	135.0*	93.2*
NORTHROP KING PX 9581(SX)	20600	22.0	1.1	--	--	176.7*	--	--
GROAGRI 2340	19900	21.9	3.0	15.5	8.5	171.0*	108.0	102.5*
MIGRO M0707(SX)	19700	21.9	0.6	--	3.0	170.9*	--	96.4*
PIONEER 3358(SX)	18800	19.8	1.2	--	--	170.2*	--	--
PIONEER 3090(DX)##	21200	21.2	3.3	4.1	--	169.8*	120.5	--
FUNK G-4733(SX)	18500	20.9	1.8	--	--	168.0*	--	--
PIONEER 3382(SX)##	19600	21.5	0.0	5.8	3.0	166.0*	92.8	89.7
FONTELLE 690(SX)	20900	23.1	2.3	--	--	164.1*	--	--
PIONEER 3183(SX)##	19100	22.3	0.0	6.5	0.0	161.9*	147.2*	104.6*
ASGROU RX140A(3X)	19400	22.4	8.6	--	--	159.6	--	--
COKER 21(SX)	19700	21.4	0.6	--	--	159.0	--	--
ZIMMERMAN Z14W(SX)#	18900	23.2	1.6	2.8	--	158.1	110.9	--
FONTELLE 680(SX)	18500	23.0	0.6	--	--	157.5	--	--
PAG SX333(SX)	19400	20.6	5.0	2.9	7.3	157.2	117.2	97.5*
LYNKS LX 4545(SX)	17500	22.2	3.4	7.3	0.0	153.5	127.9	87.2
AMERICANA 4808(SX)	18700	21.0	1.9	7.7	--	153.2	113.5	--
MIGRO HP 771(SX)	21400	22.0	0.0	--	--	153.1	--	--
PIONEER 3184(SX)	20000	20.8	1.3	6.4	0.0	147.8	128.8*	92.6*
TAYLOR-EVANS T-E 6998(SX)	18800	20.0	1.9	--	--	146.7	--	--
ZIMMERMAN Z52W(3X)#	16300	22.3	10.8	--	--	145.0	--	--
MIGRO HP-87(SX)	19800	21.2	0.6	--	4.1	144.8	--	110.9*
PIONEER 3320(SPX)	18600	21.2	2.5	4.5	--	143.3	99.3	--
NORTHROP KING PX 9609(SX)	19600	22.0	1.2	--	--	142.7	--	--
NC+ SX90(SX)	18300	21.3	0.6	--	--	140.2	--	--
USS 2020	18900	21.8	1.8	5.9	--	137.1	121.7	--
TROJAN T1251(SX)	17600	24.1	1.3	--	--	136.1	--	--
COKER 22(3X)	18600	22.7	1.3	--	--	133.8	--	--
MCCURDY 8150(SX)	20200	22.7	8.4	6.9	--	132.3	121.5	--
PAYMASTER 8951(SX)	16600	22.6	0.6	8.6	5.3	124.0	115.5	84.8
MATURITY GROUP 4								
PIONEER 3186(SX)	16400	21.8	2.1	18.6	--	165.9*	130.4*	--
NORTHROP KING PX 95(SX)	19200	23.8	28.0	25.2	0.8	164.7*	123.8	84.8
PAG SX98(SX)##	18500	21.6	0.6	11.3	15.1	164.5*	100.5	71.0
TRIAL AVERAGE								
L.S.D. AT .05	18500	21.3	2.0	8.1	3.9	158.3	112.9	87.1
						37.3	20.7	24.2

-- 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.

WHITE HYBRID.

TABLE 9. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER IN 1980-82. PLANTED: 13 APRIL 1982. HARVESTED: 30 SEPTEMBER 1982. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1982	1981	1980	1982	1981	1980
MATURITY GROUP 1								
O'S GOLD 6882(SX)	22500	18.3	12.6	--	--	147.3*	--	--
O'S GOLD 2570(SX)	22100	19.0	39.9	7.8	--	149.5*	137.6*	--
TROJAN TX5115A(SX)	16500	19.0	37.4	21.7	7.1	137.2*	119.8	12.1
GOLDEN HARVEST H-2500(SX)##	20400	19.4	16.7	13.8	10.4	134.4*	123.3	1.2
DEKALB EX6261(SX)	18200	19.0	35.3	--	--	132.2*	--	--
FEDERAL FX35(SX)	17900	19.5	24.7	3.6	9.0	129.0*	129.5	3.4
FUNK G-4507(SX)##	20400	17.8	32.1	34.8	7.2	128.3*	111.7	4.0
FUNK G-4522(SX)	20500	19.0	33.2	5.9	--	128.0*	112.7	--
USS 1010	19100	20.3	18.9	9.4	14.9	119.6*	103.9	4.6
FUNK G-4578(3X)	21000	20.0	44.5	--	--	119.4*	--	--
CARGILL 924(SX)	21600	17.9	20.4	--	9.0	116.0	--	4.5
JACQUES 8220(SX)	19900	19.3	67.9	--	--	115.1	--	--
SUPER CROST 4350(SPX)	16400	19.0	13.2	--	--	115.1	--	--
BURRUS BX21(SX)	22100	18.6	19.1	1.6	--	114.5	126.3	--
AMERICANA 3200(SX)	20000	20.0	26.4	--	9.4	113.5	--	1.1
AMERICANA 3100(SX)	22000	18.0	34.3	0.5	--	112.3	141.4*	--
FUNK G-4520(SX)	20500	19.4	57.5	--	--	109.7	--	--
CARGILL 921(SX)	20500	18.8	22.9	5.7	5.0	106.7	145.4*	2.9
SUPER CROST 5438(SX)	19400	18.4	30.6	--	--	105.1	--	--
RING AROUND RA 1502(SX)	20200	20.1	37.4	18.9	14.4	103.8	130.9	1.9
RING AROUND RA 1604(SX)	20300	21.0	27.4	15.6	9.0	101.2	114.8	0.3
TROJAN T1100(SX)	22000	18.1	28.1	6.5	--	100.3	129.1	--
HORTHRUP KING PX 79(SX)	19200	19.6	38.9	--	--	100.3	--	--
FUNK G-4514(SX)	20800	19.0	38.6	--	--	99.5	--	--
DEKALB XL72AA(SX)##	19100	20.2	25.6	5.6	8.8	97.0	129.8	1.4
TAYLOR-EVANS T-E 6995(SX)	20300	18.2	29.7	14.0	3.7	95.8	133.9	5.7
MATURITY GROUP 2								
MCCURDY 7787(SX)	19700	18.8	34.6	12.8	9.4	142.6*	159.4**	3.2
DEKALB XL72B(SX)##	20000	19.5	29.4	2.5	9.3	141.7*	143.8*	3.1
PAYMASTER 7601(SX)	20500	20.0	43.6	3.7	9.6	139.1*	145.2*	3.3
TROJAN T1189(SX)	18700	20.8	8.2	6.7	--	137.2*	134.1	--
ZIMMERMAN Z25Y(SX)	18700	19.6	26.2	--	--	133.0*	--	--
HAPPEL 8338(SX)	17700	18.6	8.4	--	--	131.3*	--	--
FUNK G-4606(SX)##	18800	19.6	60.0	6.8	10.3	123.7*	146.8*	2.3
PAYMASTER 8201(SX)	20300	18.0	27.2	--	--	127.8*	--	--
MFA 5802(SX)##	22600	18.6	21.3	15.1	5.7	127.4*	127.4	3.3
NC+ 6190(SX)	21000	18.6	18.8	--	--	125.7*	--	--
GROAGRI 2300	17700	19.0	18.8	25.4	5.3	124.8*	140.2*	5.0
MIGRO EX 5129(SX)	21400	19.8	6.1	--	--	124.7*	--	--
MCCURDY 84AA(SX)	20200	18.7	26.7	6.3	6.1	124.0*	146.5*	2.7
FUNK G-4673A(SX)	21600	20.3	30.2	--	--	123.3*	--	--
STAUFFER SEEDS 114+	18200	20.2	41.8	5.2	--	123.1*	134.7*	--
CMS 513(SX)	19800	19.6	18.1	--	--	122.4*	--	--
DEKALB EX7778(SX)	21400	20.2	36.1	--	--	122.2*	--	--
TAYLOR-EVANS T-E 6995-A(SX)	21900	19.3	20.2	13.8	9.6	122.0*	126.3	1.1
CMS 512(SX)	19700	18.5	27.0	--	--	121.0*	--	--
GOLD TAG GT 4430(SX)	18800	20.6	21.6	--	--	120.8*	--	--
JACQUES JX247(SX)	19700	19.8	37.1	--	15.5	120.7*	--	0.6
STAUFFER SEEDS 7759	18700	18.8	25.3	19.2	--	119.4*	139.5*	--
LEWIS X93B(SX)	20600	20.0	32.6	--	--	118.4*	--	--
HAPPEL MS-80(SX)	19100	18.8	27.7	10.8	4.5	117.2*	140.4*	3.3
COKER 16(SPX)	17500	20.0	23.9	--	--	117.2*	--	--
CMS 516(SX)	16400	19.7	35.9	--	--	115.6	--	--
CMS 514(SX)	17600	19.1	27.4	--	--	115.2	--	--
LEWIS X83B(SX)	18900	19.9	67.9	--	--	115.1	--	--
DEKALB EX7979(SX)	18100	20.3	26.7	--	--	115.1	--	--
STAUFFER SEEDS 7767	20000	18.6	23.3	--	--	115.0	--	--
SUPER CROST 7801(SX)	17600	20.5	46.6	--	--	114.4	--	--
COKER 19A(SPX)	20900	18.6	23.4	--	--	114.2	--	--
LYNKS LX 4355(SX)	19100	19.0	26.7	2.8	--	114.0	146.9*	--
AMERICANA 4100(SX)	21700	20.0	11.2	4.4	--	112.9	138.7*	--
BO-JAC 923(SX)	20000	20.8	33.9	--	1.7	112.3	--	2.0
MIGRO SPX 77(SX)	18600	19.8	21.2	--	7.2	111.7	--	1.6
TROJAN T1230(SX)	20500	20.5	47.9	13.2	5.1	111.7	133.0	2.7
STEWART 7384(SX)	16900	20.0	20.9	--	--	111.1	--	--
GOLD TAG GT 4022(SX)	19800	20.9	52.8	24.0	8.5	110.9	116.9	1.4
COKER 19(SX)	16500	18.9	42.8	--	--	110.9	--	--
GOLDEN HARVEST H-2695(3X)	20400	21.1	45.4	--	--	110.5	--	--
BO-JAC 562(SX)	19700	19.6	46.3	--	--	109.7	--	--
DEKALB XL 71(SX)	21500	21.0	48.9	--	4.4	108.5	--	1.9
LEWIS X82B(SX)	22600	20.1	29.4	--	--	108.3	--	--
MIGRO HP 555(SX)	19400	19.9	26.6	--	--	107.5	--	--
FEDERAL FX40A(SX)	18300	20.1	22.8	--	--	107.5	--	--
BURRUS BX39(SX)	21400	19.8	42.0	10.4	--	107.1	129.0	--
O'S GOLD 5291(SX)	17600	20.5	70.3	7.4	--	106.4	154.5*	--
LEWIS X58B(SX)	21000	18.1	33.6	--	--	106.1	--	--
STAUFFER SEEDS 7795	21000	20.2	49.1	21.7	18.1	105.0	116.7	1.3
CARGILL 967(SX)##	22000	19.9	55.8	25.6	4.4	104.9	142.1*	3.2
GOLDEN HARVEST H-2680(SX)##	23100	19.8	49.3	25.7	4.6	104.8	121.3	1.0

TABLE 9. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1982	1981	1980	1982	1981	1980
HC+ 7120(SX)	22000	20.0	46.8	--	--	104.8	--	--
SUPER CROST 5452(SX)	18100	19.8	42.9	--	--	104.8	--	--
ASGROW RX777(SX)	18000	17.2	59.9	19.7	--	103.8	128.9	--
MCCURDY 81-82(SX)	19900	20.5	60.1	--	--	102.6	--	--
MFA 6707(SX)	19700	20.7	53.6	25.6	10.6	101.9	93.0	4.4
LYNKS LX 4500(SX)	18700	20.0	58.3	8.5	9.1	101.9	137.0*	17.7*
GOLDEN HARVEST H-2630(SX)	19200	19.2	90.3	--	--	101.8	--	--
AMERICANA 4730(SX)	18100	20.3	36.0	13.4	4.4	101.7	145.5*	1.8
GOLDEN HARVEST H-2686(SX)	14000	21.0	39.6	--	--	100.3	--	--
ASGROW RX909(SX)	19400	20.3	28.6	6.5	5.1	99.8	148.6*	3.3
HAPPEL 3361A(3X)	20800	18.9	39.9	18.8	15.2	97.6	118.9	2.0
AMERICANA 4640(SX)	18500	20.6	42.3	5.8	5.6	96.8	142.4*	1.7
NC+ 8331(SX)	17300	20.9	29.8	17.5	11.9	96.0	125.1	4.1
LEWIS X74B(SX)	16900	20.6	53.1	--	--	95.2	--	--
STEWART 77(SPX)	19900	19.1	40.9	--	--	91.8	--	--
O'S GOLD 5509(SX)	20300	21.5	50.3	25.9	5.0	86.4	127.5	1.3
DEKALB XL73(SX)	20000	20.1	62.4	2.4	--	84.2	152.0*	--
MFA 6708(SX)	19300	20.3	80.2	32.8	--	82.4	107.0	--
US-13(DX)	19100	19.7	89.0	38.4	5.5	78.8	68.6	2.9
MATURITY GROUP 3								
PIONEER 3358(SX)	19300	19.2	38.3	--	--	149.5**	--	--
PAG SX333(SX)	21600	19.2	26.9	7.3	7.7	133.1*	127.6	2.7
PIONEER 3320(SPX)	20300	20.6	49.9	17.0	--	131.4*	120.2	--
PIONEER 3183(SX)##	19200	20.2	33.4	29.4	13.9	131.1*	109.3	2.7
TROJAN T1251(SX)	18000	21.6	20.4	--	--	129.6*	--	--
NORTHROP KING PX 9581(SX)	20600	19.2	28.4	--	--	125.8*	--	--
PIONEER 3382(SX)##	20000	18.9	23.3	7.9	4.9	125.2*	131.1	4.7
COKER 21(SX)	19600	21.3	48.8	--	--	124.7*	--	--
FONTANELLE 690(SX)	20800	21.8	44.4	--	--	120.6*	--	--
MIGRO MO-07(SX)	21100	19.8	30.7	--	23.9	119.4*	--	1.2
LYNKS LX 4545(SX)	19800	20.7	35.7	27.2	8.9	117.1*	135.5*	0.8
NORTHROP KING PX 9609(SX)	18600	20.6	73.5	--	--	116.0	--	--
PIONEER 3184(SX)	22300	20.4	53.6	10.5	24.9	115.3	153.1*	0.8
FONTANELLE 680(SX)	20000	20.5	43.6	--	--	115.1	--	--
HC+ SX90(SX)	19200	20.7	34.1	--	--	112.0	--	--
GROAGRI 2340	17900	20.8	59.0	30.2	9.4	111.0	114.2	1.3
AMERICANA 4808(SX)	19800	20.1	58.3	19.5	--	110.7	156.7*	--
MIGRO HP 771(SX)	21100	20.1	45.8	--	--	110.6	--	--
PIONEER 3090(DX)##	21000	20.3	54.0	17.6	--	110.2	136.1*	--
FUNK G-4733(SX)	20300	21.2	24.5	--	--	109.9	--	--
PIONEER 3377(SX)	17700	18.2	19.7	--	--	108.7	--	--
COKER 22(SX)	19900	20.0	44.4	--	--	108.6	--	--
MCCURDY 8150(SX)	22000	20.1	49.2	17.2	--	107.6	132.7	--
PRINCETON SX370	20800	20.1	41.3	6.4	--	104.4	136.7*	--
PAG SX351(SX)##	20600	20.1	46.6	17.5	4.3	103.8	151.4*	9.4
PAYMASTER 8951(SX)	19400	21.0	59.1	19.3	13.1	103.2	128.4	1.6
ZIMMERMAN Z52W(3X)#	21400	23.1	62.1	--	--	102.3	--	--
MIGRO HP-87(SX)	18600	19.9	40.6	--	6.4	100.1	--	3.4
ZIMMERMAN Z14W(SX)#	19200	21.9	36.1	19.4	--	98.7	117.2	--
ASGROW RX140A(3X)	21500	22.0	43.6	--	--	97.6	--	--
TAYLOR-EVANS T-E 6998(SX)	20500	20.6	40.7	--	--	95.0	--	--
USS 2020	18300	20.3	33.0	18.5	--	75.0	110.0	--
MATURITY GROUP 4								
PAG SX98(SX)##	19300	20.1	22.2	2.5	2.7	128.8*	116.4	3.3
NORTHROP KING PX 95(SX)	17000	22.5	94.3	14.9	15.4	117.6*	139.3*	0.5
PIONEER 3186(SX)	20200	20.3	59.2	29.0	--	99.5	121.7	--
TRIAL AVERAGE								
L.S.D. AT .05	19700	19.8	38.1	15.8	8.7	113.3	124.6	3.1
						33.2	24.9	4.8

-- 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.

WHITE HYBRID.

TABLE 10. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT TWO CENTRAL MISSOURI LOCATIONS (MARSHALL AND COLUMBIA) IN 1982. PLANTED POPULATION: 23000.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	MARSHAL	COLUMBA	MEAN	MARSHAL	COLUMBA	MEAN		
MATURITY GROUP 1								
O'S GOLD 2570(SX)	1.8	39.9	--	20.8	197.7**	140.5*	--	169.1**
FUNK G-4507(SX)##	2.0	32.1	--	17.0	190.7*	128.3*	--	159.5*
O'S GOLD 6882(SX)	0.0	12.6	--	6.3	166.7*	147.3*	--	157.0*
FUNK G-4522(SX)	1.1	33.2	--	17.1	170.8*	128.0*	--	149.4*
USS 1010	18.9	18.9	--	18.9	175.5*	119.6*	--	147.5*
CARGILL 924(SX)	1.1	20.4	--	10.7	170.4*	116.0	--	143.2
JACQUES 8220(SX)	2.4	67.9	--	35.1	169.8*	115.1	--	142.4
GOLDEN HARVEST H-2500(SX)##	0.7	16.7	--	8.7	150.1	134.4*	--	142.2
AMERICANA 3200(SX)	11.7	26.4	--	19.0	165.9*	113.5	--	139.7
FEDERAL FX39(SX)	5.1	24.7	--	14.9	149.6	129.0*	--	139.3
TROJAN TXS115A(SX)	0.0	37.4	--	18.7	140.6	137.2*	--	138.9
FUNK G-4514(SX)	0.5	38.6	--	19.5	176.2*	99.5	--	137.8
CARGILL 921(SX)	0.0	22.9	--	11.4	165.3*	106.7	--	136.0
BURRUS BX21(SX)	0.0	19.1	--	9.5	154.3	114.5	--	134.4
DEKALB XL72AA(SX)##	0.0	25.6	--	12.8	170.9*	97.0	--	133.9
DEKALB EX6261(SX)	0.0	35.3	--	17.6	135.7	132.2*	--	133.9
TAYLOR-EVANS T-E 6995(SX)	0.5	29.7	--	15.1	167.2*	95.8	--	131.5
FUNK G-4578(3X)	2.9	44.5	--	23.7	139.3	119.4*	--	129.3
RING AROUND RA 1502(SX)	0.0	37.4	--	18.7	154.7	103.8	--	129.2
RING AROUND RA 1604(SX)	0.0	27.4	--	13.7	153.9	101.2	--	127.5
AMERICANA 3100(SX)	2.8	34.3	--	18.5	142.4	112.3	--	127.3
TROJAN T1100(SX)	0.6	28.1	--	14.3	153.3	100.8	--	127.0
FUNK G-4520(SX)	0.7	57.5	--	29.1	140.7	109.7	--	125.2
SUPER CROST 4350(SPX)	1.2	13.2	--	7.2	133.7	115.1	--	124.4
SUPER CROST 5438(SX)	0.0	30.6	--	15.3	142.2	105.1	--	123.6
NORTRUP KING PX 79(SX)	2.0	38.9	--	20.4	144.3	100.3	--	122.3
MATURITY GROUP 2								
MCCURDY 7787(SX)	0.0	34.6	--	17.3	170.4*	142.6*	--	156.5*
DEKALB XL72B(SX)##	0.7	29.4	--	15.0	169.4*	141.7*	--	155.5*
ZIMMERMAN Z25Y(SX)	2.0	26.2	--	14.1	169.8*	133.0*	--	151.4*
MFA 5802(SX)##	2.7	21.3	--	12.0	174.8*	127.4*	--	151.1*
STAUFFER SEEDS 7767	3.1	23.3	--	13.2	185.7*	115.0	--	150.3*
NC+ 6190(SX)	0.0	18.8	--	9.4	174.9*	125.7*	--	150.3*
NC+ 7120(SX)	0.6	46.8	--	23.7	194.5*	104.8	--	149.6*
STAUFFER SEEDS 114+	1.1	41.8	--	21.4	174.5*	123.1*	--	148.8*
FUNK G-4673A(SX)	0.5	30.2	--	15.3	171.0*	123.3*	--	147.1*
MIGRO SPX 77(SX)	1.1	21.2	--	11.1	180.2*	111.7	--	145.9*
BO-JAC 562(SX)	0.0	46.3	--	23.1	181.7*	109.7	--	145.7*
TAYLOR-EVANS T-E 6995-A(SX)	3.3	20.2	--	11.7	169.1*	122.0*	--	145.5*
DEKALB EX7979(SX)	1.8	26.7	--	14.2	175.2*	115.1	--	145.1
TROJAN T1230(SX)	2.7	47.9	--	25.3	176.1*	111.7	--	143.9
STAUFFER SEEDS 7759	1.9	25.3	--	13.6	166.8*	119.4*	--	143.1
PAYMASTER 7601(SX)	0.0	43.6	--	21.8	146.5	139.1*	--	142.8
CMS 513(SX)	5.1	18.1	--	11.6	162.4*	122.4*	--	142.4
JACQUES JX247(SX)	0.6	37.1	--	18.8	163.6*	120.7*	--	142.1
CMS 516(SX)	4.3	35.9	--	20.1	166.8*	115.6	--	141.2
TROJAN T1189(SX)	0.0	8.2	--	4.1	144.8	137.2*	--	141.0
STAUFFER SEEDS 7795	0.0	49.1	--	24.5	175.6*	105.0	--	140.3
MIGRO Ex 5129(SX)	0.0	6.1	--	3.0	155.1	124.7*	--	139.9
LEWIS X93B(SX)	0.5	32.6	--	16.5	160.6*	118.4*	--	139.5
FEDERAL FX40A(SX)	4.3	22.8	--	13.5	170.5*	107.5	--	139.0
AMERICANA 4640(SX)	0.7	42.3	--	21.5	180.8*	96.8	--	138.8
O'S GOLD 5291(SX)	1.3	70.3	--	35.8	170.3*	106.4	--	138.3
CARGILL 967(SX)##	3.8	55.8	--	29.8	171.7*	104.9	--	138.3
CMS 512(SX)	6.9	27.0	--	16.9	155.3	121.0*	--	138.1
DEKALB EX7778(SX)	0.5	36.1	--	18.3	153.9	122.2*	--	138.0
HAPPEL 8338(SX)	0.6	8.4	--	4.5	142.2	131.3*	--	136.7
MCCURDY 81-82(SX)	0.5	60.1	--	30.3	170.2*	102.6	--	136.4
HAPPEL MS-80(SX)	0.0	27.7	--	13.8	155.4	117.2*	--	136.3
MCCURDY 84AA(SX)	2.2	26.7	--	14.4	147.8	124.0*	--	135.9
PAYMASTER 8201(SX)	0.0	27.2	--	13.6	143.6	127.8*	--	135.7
AMERICANA 4100(SX)	1.2	11.2	--	6.2	158.1	112.9	--	135.5
GOLDEN HARVEST H-2680(SX)##	1.2	49.3	--	25.2	165.5*	104.8	--	135.1
FUNK G-4606(SX)##	6.0	60.0	--	33.0	141.3	128.7*	--	135.0
COCKER 19(SX)	0.0	42.8	--	21.4	158.3	110.9	--	134.6
GROAGRI 2300	1.2	18.8	--	10.0	143.9	124.8*	--	134.3
LYNKS LX 4355(SX)	2.9	26.7	--	14.8	154.1	114.0	--	134.0
DEKALB XL 71(SX)	0.0	48.9	--	24.4	158.8	108.5	--	133.6
GOLDEN HARVEST H-2630(SX)	0.0	90.3	--	45.1	165.4*	101.8	--	133.6
BURRUS BX39(SX)	0.0	42.0	--	21.0	160.0	107.1	--	133.5
MFA 6707(SX)	0.0	53.6	--	26.8	163.8*	101.9	--	132.8
LEWIS X82B(SX)	1.2	29.4	--	15.3	157.3	108.3	--	132.8
GOLD TAG GT 4430(SX)	0.0	21.6	--	10.8	144.6	120.8*	--	132.7
MIGRO HP 555(SX)	0.0	26.6	--	13.3	157.4	107.5	--	132.4
GOLD TAG GT 4022(SX)	2.0	52.8	--	27.4	151.1	110.9	--	131.0
LEWIS X74B(SX)	0.7	53.1	--	26.9	165.8*	95.2	--	130.5
NC+ 8331(SX)	0.7	29.8	--	15.2	164.7*	96.0	--	130.3
SUPER CROST 7801(SX)	1.2	46.6	--	23.9	145.5	114.4	--	129.9
ASGROW RX777(SX)	7.8	59.9	--	33.8	155.5	103.8	--	129.6

TABLE 10. CONTINUED.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	MARSHAL	COLUMBA	MEAN	MARSHAL	COLUMBA	MEAN		
BO-JAC 923(SX)	0.0	33.9	--	16.9	146.9	112.3	--	129.6
GOLDEN HARVEST H-2695(3X)	2.1	45.4	--	23.7	148.3	110.5	--	129.4
O'S GOLD 5509(SX)	2.2	50.3	--	26.2	172.0*	86.4	--	129.2
LYNKS LX 4500(SX)	1.9	58.3	--	30.1	156.6	101.9	--	129.2
LEWIS X83B(SX)	0.0	67.9	--	33.9	143.2	115.1	--	129.1
CHS 514(SX)	3.2	27.4	--	15.3	141.8	115.2	--	128.5
COKER 19A(SPX)	1.1	23.4	--	12.2	142.6	114.2	--	128.4
ASGROW RX909(SX)	0.0	28.6	--	14.3	156.8	99.8	--	128.3
HAPPEL 3361A(3X)	0.6	39.9	--	20.2	157.4	97.6	--	127.5
GOLDEN HARVEST H-2686(SX)	4.4	39.6	--	22.0	152.3	100.3	--	126.3
AMERICANA 4730(SX)	0.0	36.0	--	18.0	148.5	101.7	--	125.1
SUPER CROST 5452(SX)	0.8	42.9	--	21.8	145.3	104.3	--	125.0
STEWART 7384(SX)	0.8	20.9	--	10.8	138.5	111.1	--	124.8
LEWIS X58B(SX)	0.7	33.6	--	17.1	143.4	106.1	--	124.7
COKER 16(SPX)	1.4	23.9	--	12.6	129.9	117.2*	--	123.5
DEKALB XL73(SX)	2.2	62.4	--	32.3	159.9	84.2	--	122.0
STEWART 77(SPX)	1.2	40.9	--	21.0	148.5	91.8	--	120.1
MFA 6708(SX)	3.2	80.2	--	41.7	154.8	82.4	--	118.6
US-13(DX)	15.9	89.0	--	52.4	130.2	78.8	--	104.5
MATURITY GROUP 3								
PIONEER 3358(SX)	1.2	38.3	--	19.7	170.2*	149.5**	--	159.8*
NORTHROP KING PX 9581(SX)	1.1	28.4	--	14.7	176.7*	125.8*	--	151.2*
PIONEER 3183(SX)##	0.0	33.4	--	16.7	161.9*	131.1*	--	146.5*
PIONEER 3382(SX)##	0.0	23.3	--	11.6	166.0*	125.2*	--	145.6*
PIONEER 3377(SX)	0.0	19.7	--	9.8	182.0*	108.7	--	145.3
MIGRO M0707(SX)	0.6	30.7	--	15.6	170.9*	119.4*	--	145.1
PAG SX333(SX)	5.0	26.9	--	15.9	157.2	133.1*	--	145.1
PRINCETON SX870	0.0	41.3	--	20.6	182.7*	104.4	--	143.5
PAG SX351(SX)##	0.0	46.6	--	23.3	182.0*	103.8	--	142.9
FONTAHELLE 690(SX)	2.3	44.4	--	23.3	164.1*	120.6*	--	142.3
COKER 21(SX)	0.6	48.8	--	24.7	159.0	124.7*	--	141.8
GROAGRI 2340	3.0	59.0	--	31.0	171.0*	111.0	--	141.0
PIONEER 3090(DX)##	3.3	54.0	--	28.6	169.8*	110.2	--	140.0
FUNK G-4733(SX)	1.8	24.5	--	13.1	168.0*	109.9	--	138.9
PIONEER 3320(SPX)	2.5	49.9	--	26.2	143.3	131.4*	--	137.3
FONTAHELLE 680(SX)	0.6	43.6	--	22.1	157.5	115.1	--	136.3
LYNKS LX 4545(SX)	3.4	35.7	--	19.5	153.5	117.1*	--	135.3
TROJAN T1251(SX)	1.3	20.4	--	10.8	136.1	129.6*	--	132.8
AMERICANA 4808(SX)	1.9	58.3	--	30.1	153.2	110.7	--	131.9
MIGRO HP 771(SX)	0.0	45.8	--	22.9	153.1	110.6	--	131.8
PIONEER 3184(SX)	1.3	53.6	--	27.4	147.8	115.3	--	131.5
NORTHROP KING PX 9609(SX)	1.2	73.5	--	37.3	142.7	116.0	--	129.3
ASGROW RX140A(3X)	8.6	43.6	--	26.1	159.6	97.6	--	128.6
ZIMMERMAN Z14W(SX)##	1.6	36.1	--	18.8	158.1	98.7	--	128.4
NC+ SX90(SX)	0.6	34.1	--	17.3	140.2	112.0	--	126.1
ZIMMERMAN Z52W(3X)##	10.8	62.1	--	36.4	145.0	102.3	--	123.6
MIGRO HP-87(SX)	0.6	40.6	--	20.6	144.8	100.1	--	122.4
COKER 22(3X)	1.3	44.4	--	22.8	133.8	108.6	--	121.2
TAYLOR-EVANS T-E 6998(SX)	1.9	40.7	--	21.3	146.7	95.0	--	120.8
MCCURDY 8150(SX)	8.4	49.2	--	28.8	132.3	107.6	--	119.9
PAYMASTER 8951(SX)	0.6	59.1	--	29.8	124.0	103.2	--	113.6
USS 2020	1.8	33.0	--	17.4	137.1	75.0	--	106.0
MATURITY GROUP 4								
PAG SX98(SX)##	0.6	22.2	--	11.4	164.5*	128.8*	--	146.6*
NORTHROP KING PX 95(SX)	28.0	94.3	--	61.1	164.7*	117.6*	--	141.1
PIONEER 3186(SX)	2.1	59.2	--	30.6	165.9*	99.5	--	132.7
TRIAL AVERAGE								
L.S.D. AT .05	2.0	38.1		20.0	158.3	113.3		135.8
					37.3	33.2		23.8

-- 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.

WHITE HYBRID.

TABLE 11. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR CAPE GIRARDEAU ON THE LORBERG FARM
 IN 1981-82.
 PLANTED: 4 MAY 1982. HARVESTED: 20 SEPTEMBER 1982. PLANTED POPULATION: 23200.

BRAND-HYBRID	PLANTS MOIST (#/ACRE) (%)		LODGING (%)			YIELD (BU/ACRE)		
	1982	1982	1982	1981	1980	1982	1981	1980
MATURITY GROUP 1								
O'S GOLD 2570(SX)	21600	20.8	5.8	8.1	--	158.1*	147.9	--
RING AROUND RA 1604(SX)	20100	22.2	6.6	2.2	--	155.3*	161.7	--
TROJAN TXS115A(SX)	19400	21.1	6.4	2.5	--	154.2*	146.4	--
TAYLOR-EVANS T-E 6995(SX)	21600	21.8	6.4	1.8	--	152.9*	132.4	--
SUPER CROST 5438(SX)	17100	20.4	3.4	--	--	142.0*	--	--
NORTHROP KING PX 79(SX)	19000	20.8	8.4	--	--	141.4*	--	--
TROJAN T1100(SX)	19800	19.4	1.9	2.4	--	138.1*	158.4	--
RING AROUND RA 1502(SX)	19300	21.4	0.5	1.4	--	135.4*	155.6	--
GOLDEN HARVEST H-2500(SX)##	19800	21.2	5.9	5.8	--	134.7*	148.6	--
FUNK G-4507(SX)##	19400	20.1	8.1	4.1	--	131.1	171.9	--
FUNK G-4578(SX)	19100	21.1	10.6	--	--	129.8	--	--
DEKALB EX6261(SX)	18700	20.5	0.4	--	--	128.7	--	--
FUNK G-4520(SX)	20900	20.3	6.6	--	--	128.5	--	--
DEKALB XL72AA(SX)##	20800	19.6	4.0	1.6	--	127.2	162.7	--
FUNK G-4522(SX)	19900	20.4	1.8	2.5	--	125.1	157.2	--
CARGILL 924(SX)	21900	19.4	10.6	--	--	124.2	--	--
BURRUS BX21(SX)	19100	19.3	0.5	1.3	--	122.6	163.9	--
CARGILL 921(SX)	20800	19.0	12.7	7.3	--	113.9	157.0	--
FUNK G-4514(SX)	18100	19.6	3.1	--	--	96.5	--	--
MATURITY GROUP 2								
DEKALB XL72B(SX)##	22500	21.7	6.3	0.8	--	178.2**	161.8	--
CARGILL 967(SX)##	20700	20.7	5.4	2.1	--	165.1*	182.1*	--
MIGRO EX 5129(SX)	20600	21.1	2.1	--	--	163.6*	--	--
DEKALB EX7979(SX)	19400	22.8	6.3	--	--	160.8*	--	--
HAPPEL MS-80(SX)	18100	20.0	4.7	--	--	157.4*	--	--
MIGRO SPX 77(SX)	20900	21.8	3.8	--	--	156.5*	--	--
FUNK G-4606(SX)##	18100	21.0	1.0	2.2	--	156.1*	163.9	--
PAYMASTER 7601(SX)	21700	21.3	2.7	7.2	--	154.5*	122.6	--
BURRUS BX39(SX)	19000	21.2	1.0	6.5	--	153.7*	151.2	--
PAYMASTER 8201(SX)	20100	19.7	5.5	--	--	152.9*	--	--
JACQUES JX247(SX)	19200	24.4	3.5	--	--	152.1*	--	--
FUNK G-4673A(SX)	19900	20.1	10.4	--	--	148.9*	--	--
LYNKS LX 4480(SX)	19500	20.6	20.3	3.6	--	148.6*	143.9	--
STEWART 77(SPX)	19800	22.0	5.3	--	--	148.1*	--	--
SUPER CROST 7600(SX)	18100	22.2	2.7	--	--	147.8*	--	--
HAPPEL 8338(SX)	19300	20.0	2.4	--	--	147.6*	--	--
ZIMMERMAN Z25Y(SX)	19100	23.5	5.5	--	--	143.9*	--	--
TROJAN T1230(SX)	20400	23.0	3.2	4.5	--	143.6*	195.4*	--
TAYLOR-EVANS T-E 6995-A(SX)	22300	20.7	10.7	2.5	--	143.1*	149.2	--
DEKALB XL73(SX)	20400	19.9	12.2	6.8	--	141.7*	149.4	--
MFA 6708(SX)	18400	22.2	7.6	33.8	--	141.4*	132.2	--
MFA 5802(SX)##	18500	20.4	2.0	2.5	--	140.7*	142.3	--
SUPER CROST 5452(SX)	19000	19.7	1.5	--	--	140.4*	--	--
O'S GOLD 5291(SX)	17300	21.7	7.9	4.2	--	140.1*	160.0	--
GOLD TAG GT 4022(SX)	19300	22.9	4.5	4.8	--	138.8*	177.7*	--
STAUFFER SEEDS 114+	18300	23.5	3.7	5.5	--	137.3*	158.0	--
SUPER CROST 7801(SX)	17200	23.5	5.8	--	--	137.1*	--	--
BO-JAC 562(SX)	19400	22.0	1.4	--	--	136.9*	--	--
LEWIS X83B(SX)	20600	22.4	1.8	--	--	136.5*	--	--
LEWIS X81B(SX)	17900	24.2	4.6	3.1	--	136.3*	182.0*	--
GOLD TAG GT 4430(SX)	19800	21.4	2.4	--	--	136.3*	--	--
MCCURDY 84AA(SX)	18700	20.4	3.0	7.5	--	136.0*	162.4	--
LYNKS LX 4488(SX)	20700	21.1	7.2	--	--	136.0*	--	--
MIGRO HP 555(SX)	21300	21.1	5.5	--	--	135.9*	--	--
GOLDEN HARVEST H-2680(SX)##	18400	23.8	6.3	1.3	--	135.4*	172.8	--
LYNKS LX 4500(SX)	20800	22.6	4.0	2.8	--	134.7*	177.7*	--
LEWIS X82B(SX)	15100	22.4	5.7	--	--	134.5*	--	--
MFA 6707(SX)	19500	21.0	5.4	25.8	--	133.8	133.2	--
O'S GOLD 5509(SX)	18300	22.5	7.2	3.7	--	133.3	201.5**	--
DEKALB EX7778(SX)	17900	22.6	4.6	--	--	132.5	--	--
COKER 19(SX)	18100	21.4	4.1	2.8	--	132.0	141.1	--
MCCURDY 81-82(SX)	20800	22.4	8.1	--	--	130.5	--	--
GOLDEN HARVEST H-2695(SX)	18100	22.5	6.0	--	--	130.3	--	--
LEWIS X74B(SX)	19400	21.6	11.2	--	--	130.2	--	--
HAPPEL 3361A(SX)	20800	21.2	16.6	--	--	128.7	--	--
COKER 16(SPX)	17700	20.8	6.2	10.7	--	127.9	155.6	--
GOLDEN HARVEST H-2630(SX)	20100	22.3	7.9	--	--	126.5	--	--
STAUFFER SEEDS 7759	19700	19.6	1.8	--	--	125.1	--	--
LYNKS LX 4355(SX)	19400	20.5	2.4	--	--	125.0	--	--
BO-JAC 923(SX)	20300	23.0	10.1	--	--	124.5	--	--
LEWIS X93B(SX)	18000	20.6	1.1	--	--	122.9	--	--
DEKALB XL 71(SX)	19300	21.5	6.3	--	--	122.9	--	--
FEDERAL FX40A(SX)	17800	17.3	6.6	--	--	122.5	--	--
GROAGRI 2300	19200	21.9	3.3	5.7	--	122.3	147.3	--
COKER 19A(SPX)	19400	22.5	9.4	3.6	--	121.2	151.7	--
TROJAN T1189(SX)	17800	21.2	1.6	0.0	--	117.2	152.7	--
GOLDEN HARVEST H-2686(SX)	18000	22.5	9.3	27.1	--	115.4	147.1	--
STEWART 7384(SX)	19500	21.3	3.0	--	--	111.5	--	--
US-13(DX)	18300	22.3	56.0	27.6	--	94.7	108.5	--

TABLE 11. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1982	1982	1982	1981	1980	1982	1981	1980
MATURITY GROUP 3								
PIONEER 3183(SX)##	19600	22.2	5.1	13.0	--	170.6*	140.8	--
PIONEER 3184(SX)	19700	22.5	3.6	0.4	--	161.2*	197.4*	--
PAG SX351(SX)##	19100	20.5	6.9	0.0	--	159.5*	172.0	--
PAG SX333(SX)	20200	20.3	8.2	1.4	--	155.2*	165.6	--
COKER 22(3X)	20500	22.3	5.5	7.8	--	152.6*	188.5*	--
PRINCETON SX870	19200	23.0	22.6	4.4	--	151.0*	198.7*	--
MCCURDY 80-72(SX)	21200	23.1	9.1	--	--	149.6*	--	--
ASGROW RX140A(3X)	19000	24.5	10.5	--	--	146.8*	--	--
STAUFFER SEEDS 8500	19700	21.8	2.2	--	--	146.7*	--	--
GROAGRI 2340	18300	22.9	5.0	8.3	--	146.7*	166.9	--
MCCURDY 8150(SX)	20300	23.1	6.5	4.1	--	145.2*	187.7*	--
PIONEER 3358(SX)	19200	20.5	0.4	--	--	143.1*	--	--
NORTHROP KING PX 9581(SX)	21200	21.6	8.1	--	--	142.6*	--	--
MIGRO HP 771(SX)	20000	23.0	7.6	--	--	141.7*	--	--
COKER 21(SX)	19000	23.5	5.0	6.6	--	136.9*	189.7*	--
PAYMASTER 8951(SX)	21800	21.5	7.0	3.3	--	134.8*	145.4	--
LYNKS LX 4545(SX)	20800	23.1	1.9	1.8	--	134.0	168.3	--
FUNK G-4733(SX)	16500	23.4	2.1	--	--	133.6	--	--
MIGRO HP-87(SX)	21100	24.3	5.2	--	--	133.3	--	--
ZIMMERMAN Z52W(3X)#	19400	24.6	24.5	10.3	--	130.3	157.4	--
MIGRO M0707(SX)	20700	21.8	3.5	--	--	130.0	--	--
TROJAN T1251(SX)	17600	22.8	0.0	--	--	124.6	--	--
TAYLOR-EVANS T-E 6998(SX)	18200	23.6	4.9	--	--	124.4	--	--
PIONEER 3090(DX)##	20400	21.3	3.7	--	--	124.0	--	--
PIONEER 3320(SPX)	17600	20.8	2.5	0.5	--	124.0	138.1	--
PIONEER 3332(SX)##	19400	20.8	4.5	2.2	--	117.8	162.6	--
ZIMMERMAN Z14W(SX)#	20300	22.6	7.7	2.5	--	112.7	153.7	--
STAUFFER SEEDS 8318	19300	23.5	9.2	3.4	--	112.5	166.1	--
MATURITY GROUP 4								
PAG SX98(SX)##	20800	22.3	6.2	8.2	--	153.2*	114.6	--
NORTHROP KING PX 95(SX)	20000	25.0	11.4	3.5	--	121.6	189.1*	--
TRIAL AVERAGE								
L.S.D. AT .05	19400	21.6	6.3	5.4		137.3	157.3	
						44.2	26.6	

-- 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.

WHITE HYBRID.

TABLE 12. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR PORTAGEVILLE ON THE DELTA RESEARCH CENTER IN 1981-82.
PLANTED: 15 APRIL 1982. HARVESTED: 8 SEPTEMBER 1982. PLANTED POPULATION: 23200.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1982	1981	1980	1982	1981	1980
MATURITY GROUP 1								
DEKALB EX6261(SX)	21200	18.3	11.1	--	--	118.4**	--	--
GOLDEN HARVEST H-2500(SX)##	21000	18.1	0.4	5.8	--	114.6*	84.3	--
SUPER CROST 5438(SX)	21500	17.4	0.5	--	--	111.3*	--	--
FUNK G-4507(SX)##	19400	18.0	0.4	2.5	--	109.4*	97.8	--
RING AROUND RA 1502(SX)	20300	18.9	7.8	2.2	--	108.3*	106.0	--
CARGILL 921(SX)	20000	16.5	3.9	2.3	--	107.7*	96.3	--
CARGILL 924(SX)	21200	17.1	3.4	--	--	105.9*	--	--
FUNK G-4514(SX)	20700	16.8	14.5	--	--	100.7*	--	--
TROJAN TXS115A(SX)	21100	17.8	1.8	0.5	--	99.9*	107.5*	--
TROJAN T1100(SX)	18000	17.6	2.1	0.6	--	99.0*	71.5	--
FUNK G-4522(SX)	20800	17.9	4.5	3.4	--	98.8*	82.9	--
FUNK G-4578(3X)	19400	18.4	3.0	--	--	96.2*	--	--
TAYLOR-EVANS T-E 6995(SX)	19500	18.2	4.9	2.5	--	93.7*	93.9	--
DEKALB XL72AA(SX)##	19100	17.7	3.0	2.8	--	92.1*	96.4	--
O'S GOLD 2570(SX)	22200	17.1	4.4	4.4	--	88.8	102.3	--
RING AROUND RA 1604(SX)	20000	20.8	10.1	1.0	--	79.8	106.5	--
BURRUS BX21(SX)	20500	16.8	4.0	2.1	--	79.0	80.9	--
FUNK G-4520(SX)	17800	17.9	7.6	--	--	71.8	--	--
NORTHROP KING PX 79(SX)	18800	17.0	1.0	--	--	70.5	--	--
MATURITY GROUP 2								
DEKALB XL73(SX)	22400	17.8	0.8	2.6	--	115.5*	96.3	--
LYNKS LX 4480(SX)	20100	17.5	10.1	3.4	--	115.0*	90.8	--
HAPPEL 8338(SX)	21600	17.6	3.6	--	--	112.8*	--	--
SUPER CROST 5452(SX)	19400	18.1	2.5	--	--	111.4*	--	--
MIGRO SPX 77(SX)	20200	19.6	7.0	--	--	109.7*	--	--
MIGRO EX 5129(SX)	22000	19.3	2.1	--	--	109.3*	--	--
DEKALB EX7778(SX)	18500	18.0	2.3	--	--	109.1*	--	--
MFA 6708(SX)	20100	17.8	4.1	4.0	--	108.9*	109.7*	--
O'S GOLD 5509(SX)	17300	19.9	7.0	4.2	--	107.0*	104.5	--
PAYMASTER 7601(SX)	22200	18.6	9.4	4.9	--	105.4*	105.1	--
HAPPEL MS-80(SX)	19000	17.6	2.9	--	--	105.1*	--	--
LEWIS X93B(SX)	18800	18.5	0.4	--	--	104.5*	--	--
LEWIS X81B(SX)	20500	19.7	5.5	4.5	--	104.5*	99.6	--
GOLDEN HARVEST H-2686(SX)	18700	19.3	5.0	0.7	--	104.2*	98.4	--
STAUFFER SEEDS 114+	15700	19.4	6.7	3.4	--	103.4*	101.5	--
GOLD TAG GT 4022(SX)	18900	19.8	8.4	1.6	--	103.0*	98.6	--
FEDERAL FX40A(SX)	20600	17.7	4.4	--	--	102.3*	--	--
LYNKS LX 4500(SX)	18400	18.9	3.1	2.4	--	101.5*	109.1*	--
MIGRO HP 555(SX)	21800	19.3	3.0	--	--	101.4*	--	--
LYNKS LX 4488(SX)	19200	19.3	6.5	--	--	100.8*	--	--
BURRUS BX39(SX)	20200	19.9	1.4	3.1	--	100.6*	92.4	--
GOLDEN HARVEST H-2680(SX)##	18700	19.7	7.1	1.2	--	100.6*	102.9	--
ZIMMERMAN Z25Y(SX)	20100	19.0	2.8	--	--	100.2*	--	--
PAYMASTER 8201(SX)	20400	18.4	11.1	--	--	100.0*	--	--
LEWIS X83B(SX)	19900	18.4	1.3	--	--	98.2*	--	--
GOLD TAG GT 4430(SX)	19600	18.4	2.2	--	--	98.1*	--	--
STEWART 77(SPX)	15200	19.6	7.8	--	--	97.4*	--	--
MFA 6707(SX)	20600	18.5	10.6	0.5	--	97.4*	93.3	--
TAYLOR-EVANS T-E 6995-A(SX)	20300	18.1	0.4	1.6	--	97.3*	90.4	--
GOLDEN HARVEST H-2630(SX)	18600	18.3	2.0	--	--	96.0*	--	--
O'S GOLD 5291(SX)	20600	18.7	2.2	3.5	--	95.3*	123.9**	--
JACQUES JX247(SX)	18300	19.2	4.6	--	--	95.1*	--	--
GOLDEN HARVEST H-2695(3X)	19300	19.2	9.5	--	--	93.9*	--	--
HAPPEL 3361A(3X)	18800	17.0	3.0	--	--	93.5*	--	--
BO-JAC 562(SX)	19700	18.5	7.7	--	--	92.3*	--	--
TROJAN T1230(SX)	19500	19.5	11.5	1.6	--	92.2*	80.7	--
LYNKS LX 4355(SX)	21000	18.2	0.9	--	--	91.6*	--	--
SUPER CROST 7600(SX)	18300	18.6	2.6	--	--	91.4*	--	--
DEKALB XL 71(SX)	20000	18.9	1.5	--	--	91.4*	--	--
STAUFFER SEEDS 7759	18600	17.6	4.4	--	--	91.4*	--	--
MFA 5802(SX)##	19100	18.0	3.5	2.9	--	91.3*	89.3	--
LEWIS X74B(SX)	20700	19.2	4.6	--	--	90.7*	--	--
GROAGRI 2300	19000	18.2	3.4	6.8	--	90.3	92.0	--
LEWIS X82B(SX)	19900	19.0	2.5	--	--	88.9	--	--
STEWART 7384(SX)	18400	19.3	4.1	--	--	87.2	--	--
MCCURDY 84AA(SX)	18900	18.1	2.4	6.2	--	86.8	108.5*	--
COKER 19A(SPX)	20500	18.1	5.1	7.5	--	84.3	103.7	--
BO-JAC 923(SX)	19400	20.0	18.2	--	--	83.5	--	--
MCCURDY 81-82(SX)	20100	19.0	3.7	--	--	83.4	--	--
FUNK G-4606(SX)##	19400	18.3	3.4	3.0	--	83.3	87.6	--
DEKALB EX7979(SX)	18900	20.2	11.2	--	--	82.4	--	--
SUPER CROST 7801(SX)	18700	19.6	17.9	--	--	81.3	--	--
COKER 19(SX)	18500	18.5	1.4	2.1	--	80.8	93.9	--
COKER 16(SPX)	16800	18.3	4.7	3.7	--	80.7	85.7	--
TROJAN T1189(SX)	17900	18.7	6.8	2.4	--	78.2	97.9	--
CARGILL 967(SX)##	18600	18.1	7.6	0.5	--	78.0	98.5	--
DEKALB XL72B(SX)##	20500	18.3	3.3	1.8	--	77.8	91.7	--
FUNK G-4673A(SX)	19900	18.8	3.2	--	--	74.8	--	--
US-13(DX)	19600	17.2	20.6	8.1	--	66.2	74.8	--

TABLE 12. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1982	1982	1982	1981	1980	1982	1981	1980
MATURITY GROUP 3								
PRINCETON SX870	21300	20.0	7.8	1.7	--	110.8*	99.3	--
PIONEER 3358(SX)	19400	18.4	0.9	--	--	104.5*	--	--
PIONEER 3184(SX)	18300	18.8	0.0	1.6	--	104.3*	107.4*	--
PIONEER 3382(SX)##	20700	17.8	2.8	2.5	--	99.3*	84.9	--
PAYMASTER 8951(SX)	20800	20.1	5.9	3.6	--	98.8*	102.8	--
PIONEER 3090(DX)##	20500	18.1	6.0	--	--	97.2*	--	--
MCCURDY 8150(SX)	22000	19.4	3.8	1.4	--	96.8*	106.1	--
MCCURDY 80-72(SX)	19900	19.1	6.0	--	--	92.9*	--	--
ASGROW RX140A(SX)	21100	20.0	11.0	--	--	92.9*	--	--
GROAGR1 2340	20100	20.0	4.8	1.0	--	92.1*	107.8*	--
FUNK G-4733(SX)	20100	19.4	2.3	--	--	92.0*	--	--
TROJAN T1251(SX)	19900	19.5	9.9	--	--	91.7*	--	--
NORTHRUP KING PX 9581(SX)	19200	18.3	4.4	--	--	91.2*	--	--
MIGRO M0707(SX)	19400	18.3	5.5	--	--	89.0	--	--
ZIMMERMAN Z14W(SX)#	18200	19.1	2.7	3.2	--	87.8	90.0	--
MIGRO HP-87(SX)	20100	18.8	8.1	--	--	84.5	--	--
PIONEER 3183(SX)##	19600	19.0	0.9	1.0	--	84.2	90.5	--
PAG SX351(SX)##	19100	17.2	9.0	2.8	--	83.7	98.5	--
PIONEER 3320(SPX)	19400	19.0	2.9	1.1	--	82.7	99.0	--
TAYLOR-EVANS T-E 6998(SX)	18800	19.5	10.0	--	--	82.5	--	--
ZIMMERMAN Z52W(SX)#	17300	20.4	3.6	4.1	--	81.9	91.1	--
PAG SX333(SX)	21000	17.5	1.7	4.2	--	81.2	77.5	--
LYNKS LX 4545(SX)	19700	19.7	8.1	1.0	--	80.3	108.0*	--
MIGRO HP 771(SX)	19300	18.8	3.8	--	--	80.0	--	--
COKER 21(SX)	19600	19.0	8.9	3.2	--	78.0	122.6*	--
COKER 22(SX)	18300	18.7	9.6	1.7	--	77.1	96.9	--
STAUFFER SEEDS 8500	19900	18.7	5.1	--	--	77.0	--	--
STAUFFER SEEDS 8818	19600	20.0	8.8	0.5	--	76.0	109.9*	--
MATURITY GROUP 4								
PAG SX98(SX)##	21200	19.5	4.9	4.3	--	96.9*	86.8	--
NORTHRUP KING PX 95(SX)	21200	19.8	15.8	1.6	--	95.7*	95.3	--
TRIAL AVERAGE								
L.S.D. AT .05	19600	18.6	5.3	2.6		93.9	95.4	
						27.9	17.0	

-- 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-GROWN HYBRID.

WHITE HYBRID.

TABLE 13. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT TWO SOUTHEAST MISSOURI LOCATIONS
(CAPE GIRARDEAU AND PORTAGEVILLE) IN 1982.
PLANTED POPULATION: 23200.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	CAPE G.	PORTAGV	MEAN	CAPE G.	PORTAGV	MEAN		
MATURITY GROUP 1								
TROJAN TXS115A(SX)	6.4	1.8	--	4.1	154.2*	99.9*	--	127.0*
SUPER CROST 5438(SX)	3.4	0.5	--	1.9	142.0*	111.3*	--	126.6*
GOLDEN HARVEST H-2500(SX)##	5.9	0.4	--	3.1	134.7*	114.6*	--	124.6*
DEKALB EX6261(SX)	0.4	11.1	--	5.7	128.7	113.4**	--	123.5*
O'S GOLD 2579(SX)	5.3	4.4	--	5.1	158.1*	83.8	--	123.4*
TAYLOR-EVANS T-E 6995(SX)	6.4	4.9	--	5.6	152.9*	93.7*	--	123.3*
RING AROUND RA 1502(SX)	0.5	7.8	--	4.1	135.4*	103.3*	--	121.8*
FUNK G-4507(SX)##	8.1	0.4	--	4.2	131.1	109.4*	--	120.2*
TROJAN T1100(SX)	1.9	2.1	--	2.0	138.1*	99.0*	--	118.5*
RING AROUND RA 1604(SX)	6.6	10.1	--	8.3	155.3*	79.8	--	117.5*
CARGILL 924(SX)	10.6	3.4	--	7.0	124.2	105.9*	--	115.0*
FUNK G-4578(SX)	10.6	3.0	--	6.8	129.8	96.2*	--	113.0*
FUNK G-4522(SX)	1.8	4.5	--	3.1	125.1	93.8*	--	111.9*
CARGILL 921(SX)	12.7	3.9	--	8.3	113.9	107.7*	--	110.8
DEKALB XL72AA(SX)##	4.0	3.0	--	3.5	127.2	92.1*	--	109.6
NORTHRUP KING PX 79(SX)	8.4	1.0	--	4.7	141.4*	70.5	--	105.9
BURRUS BX21(SX)	0.5	4.0	--	2.2	122.6	79.0	--	100.8
FUNK G-4520(SX)	6.6	7.6	--	7.1	128.5	71.8	--	100.1
FUNK G-4514(SX)	3.1	14.5	--	8.8	96.5	100.7*	--	93.6
MATURITY GROUP 2								
MIGRO EX 5129(SX)	2.1	2.1	--	2.1	163.6*	109.3*	--	136.4**
MIGRO SPX 77(SX)	3.8	7.0	--	5.4	156.5*	109.7*	--	133.1*
LYNKS LX 4480(SX)	20.3	10.1	--	15.2	148.6*	115.0*	--	131.8*
HAPPEL MS-80(SX)	4.7	2.9	--	3.8	157.4*	105.1*	--	131.2*
HAPPEL 8338(SX)	2.4	3.6	--	3.0	147.6*	112.8*	--	130.2*
PAYMASTER 7601(SX)	2.7	9.4	--	6.0	154.5*	105.4*	--	129.9*
DEKALB XL73(SX)	12.2	0.8	--	6.5	141.7*	115.5*	--	128.6*
DEKALB XL72B(SX)##	6.3	3.3	--	4.8	178.2**	77.8	--	123.0*
BURRUS BX39(SX)	1.0	1.4	--	1.2	153.7*	100.6*	--	127.1*
PAYMASTER 8201(SX)	5.5	11.1	--	8.3	152.9*	100.0*	--	126.4*
SUPER CROST 5452(SX)	1.5	2.5	--	2.0	140.4*	111.4*	--	125.9*
MFA 6708(SX)	7.6	4.1	--	5.8	141.4*	100.9*	--	125.1*
JACQUES JX247(SX)	3.5	4.6	--	4.0	152.1*	95.1*	--	123.6*
STEWART 77(SPX)	5.3	7.8	--	6.5	148.1*	97.4*	--	122.7*
ZIMMERMAN Z25Y(SX)	5.5	2.8	--	4.1	143.9*	100.2*	--	122.0*
DEKALB EX7979(SX)	6.3	11.2	--	8.7	160.8*	82.4	--	121.6*
CARGILL 967(SX)##	5.4	7.6	--	6.5	165.1*	78.0	--	121.5*
GOLD TAG GT 4022(SX)	4.5	8.4	--	6.4	138.8*	103.0*	--	120.9*
DEKALB EX7778(SX)	4.6	2.3	--	3.4	132.5	109.1*	--	120.8*
LEWIS X81B(SX)	4.6	5.5	--	5.0	136.3*	104.5*	--	120.4*
STAUFFER SEEDS 114+	3.7	6.7	--	5.2	137.3*	103.4*	--	120.3*
TAYLOR-EVANS T-E 6995-A(SX)	10.7	0.4	--	5.5	143.1*	97.3*	--	120.2*
O'S GOLD 5509(SX)	7.2	7.0	--	7.1	133.3	107.0*	--	120.1*
FUNK G-4606(SX)##	1.0	3.4	--	2.2	156.1*	83.3	--	119.7*
SUPER CROST 7600(SX)	2.7	2.6	--	2.6	147.8*	91.4*	--	119.6*
MIGRO HP 555(SX)	5.5	3.0	--	4.2	135.9*	101.4*	--	118.6*
LYNKS LX 4488(SX)	7.2	6.5	--	6.8	136.0*	100.8*	--	118.4*
LYNKS LX 4500(SX)	4.0	3.1	--	3.5	134.7*	101.5*	--	118.1*
GOLDEN HARVEST H-2680(SX)##	6.3	7.1	--	6.7	135.4*	100.6*	--	118.0*
TROJAN T1230(SX)	3.2	11.5	--	7.3	143.6*	92.2*	--	117.9*
O'S GOLD 5291(SX)	7.9	2.2	--	5.0	140.1*	95.3*	--	117.7*
LEWIS X83B(SX)	1.8	1.3	--	1.5	136.5*	98.2*	--	117.3*
GOLD TAG GT 4430(SX)	2.4	2.2	--	2.3	136.3*	98.1*	--	117.2*
MFA 5802(SX)##	2.0	3.5	--	2.7	140.7*	91.3*	--	116.0*
MFA 6707(SX)	5.4	10.6	--	8.0	133.8	97.4*	--	115.6*
BO-JAC 562(SX)	1.4	7.7	--	4.5	136.9*	92.3*	--	114.6*
LEWIS X93B(SX)	1.1	0.4	--	0.7	122.9	104.5*	--	113.7*
FEDERAL FX40A(SX)	6.6	4.4	--	5.5	122.5	102.3*	--	112.4*
GOLDEN HARVEST H-2695(SX)	6.0	9.5	--	7.7	130.3	93.9*	--	112.1*
FUNK G-4673A(SX)	10.4	3.2	--	6.8	148.9*	74.8	--	111.8*
LEWIS X32B(SX)	5.7	2.5	--	4.1	134.5*	88.9	--	111.7*
MCCURDY 84AA(SX)	3.0	2.4	--	2.7	136.0*	86.8	--	111.4
GOLDEN HARVEST H-2630(SX)	7.9	2.0	--	4.9	126.5	96.0*	--	111.2
HAPPEL 3361A(SX)	16.6	3.0	--	9.8	128.7	93.5*	--	111.1
LEWIS X74B(SX)	11.2	4.6	--	7.9	130.2	90.7*	--	110.4
GOLDEN HARVEST H-2686(SX)	9.3	5.0	--	7.1	115.4	104.2*	--	109.8
SUPER CROST 7801(SX)	5.8	17.9	--	11.8	137.1*	81.3	--	109.2
LYNKS LX 4355(SX)	2.4	0.9	--	1.6	125.0	91.6*	--	108.3
STAUFFER SEEDS 7759	1.8	4.4	--	3.1	125.1	91.4*	--	108.2
DEKALB XL 71(SX)	6.3	1.5	--	3.9	122.9	91.4*	--	107.1
MCCURDY 81-82(SX)	8.1	3.7	--	5.9	130.5	83.4	--	106.9
COKER 19(SX)	4.1	1.4	--	2.7	132.0	80.8	--	106.4
GROAGRI 2300	3.3	3.4	--	3.3	122.3	90.3	--	106.3
COKER 16(SPX)	6.2	4.7	--	5.4	127.9	80.7	--	104.3
BO-JAC 923(SX)	10.1	18.2	--	14.1	124.5	83.5	--	104.0
COKER 19A(SPX)	9.4	5.1	--	7.2	121.2	84.3	--	102.7
STEWART 7384(SX)	3.0	4.1	--	3.5	111.5	87.2	--	99.3
TROJAN T1189(SX)	1.6	6.8	--	4.2	117.2	78.2	--	97.7
US-13(DX)	56.0	20.6	--	38.3	94.7	66.2	--	80.4

TABLE 13. CONTINUED.

BRAND-HYBRID	LOGGING (%)			YIELD (BU/ACRE)				
	CAPE	G. PORTAGV	MEAN	CAPE	G. PORTAGV	MEAN		
MATURITY GROUP 3								
PIONEER 3184(SX)	3.6	0.0	--	1.8	161.2*	104.3*	--	132.7*
PRINCETON SX870	22.6	7.8	--	15.2	151.0*	110.8*	--	130.9*
PIONEER 3183(SX)##	5.1	0.9	--	3.0	170.6*	84.2	--	127.4*
PIONEER 3358(SX)	0.4	0.9	--	0.6	143.1*	104.5*	--	123.8*
PAG SX351(SX)##	6.9	9.0	--	7.9	159.5*	83.7	--	121.6*
MCCURDY 80-72(SX)	9.1	6.0	--	7.5	149.6*	92.9*	--	121.2*
MCCURLY 8150(SX)	6.5	3.8	--	5.1	145.2*	96.8*	--	121.0*
ASGROW RX140A(3X)	10.5	11.0	--	10.7	146.8*	92.9*	--	119.8*
GROAGRI 2340	5.0	4.8	--	4.9	146.7*	92.1*	--	119.4*
PAG SX333(SX)	8.2	1.7	--	4.9	155.2*	81.2	--	118.2*
NORTHROP KING PX 9581(SX)	8.1	4.4	--	6.2	142.6*	91.2*	--	116.9*
PAYMASTER 8951(SX)	7.0	5.9	--	6.4	134.8*	98.8*	--	116.8*
COKER 22(3X)	5.5	9.6	--	7.5	152.6*	77.1	--	114.8*
FUNK 6-4733(SX)	2.1	2.3	--	2.2	133.6	92.0*	--	112.8*
STAUFFER SEEDS 8500	2.2	5.1	--	3.6	146.7*	77.0	--	111.8*
MIGRO HP 771(SX)	7.6	3.8	--	5.7	141.7*	80.0	--	110.8
PIONEER 3090(DX)##	3.7	6.0	--	4.8	124.0	97.2*	--	110.6
MIGRO M0707(SX)	3.5	5.5	--	4.5	130.0	89.0	--	109.5
MIGRO HP-87(SX)	5.2	8.1	--	6.6	133.3	84.5	--	108.9
PIONEER 3382(SX)##	4.5	2.8	--	3.6	117.8	99.3*	--	108.5
TROJAN T1251(SX)	0.0	9.9	--	4.9	124.6	91.7*	--	109.1
COKER 21(SX)	5.0	8.9	--	6.9	136.9*	78.0	--	107.4
LYNKS LX 4545(SX)	1.9	8.1	--	5.0	134.0	80.5	--	107.1
ZIMMERMAN Z52W(3X)#	24.5	3.6	--	14.0	130.3	81.9	--	106.1
TAYLOR-EVANS T-E 6998(SX)	4.9	10.0	--	7.4	124.4	82.5	--	103.4
PIONEER 3320(SPX)	2.5	2.9	--	2.7	124.0	82.7	--	103.3
ZIMMERMAN Z14W(SX)#	7.7	2.7	--	5.2	112.7	87.8	--	100.2
STAUFFER SEEDS 8818	9.2	8.8	--	9.0	112.5	76.0	--	94.2
MATURITY GROUP 4								
PAG SX98(SX)##	6.2	4.9	--	5.5	153.2*	96.9*	--	125.0*
NORTHROP KING PX 95(SX)	11.4	15.8	--	13.6	121.6	95.7*	--	108.6
TRIAL AVERAGE								
L.S.D. AT .05	6.3	5.3		5.8	137.3	93.9		115.6
					44.2	27.9		25.0

-- 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-GROWN HYBRID.

WHITE HYBRID.

TABLE 14. PERFORMANCE OF CORN HYBRIDS IRRIGATED NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER IN 1980-82. PLANTED: 14 APRIL 1982. HARVESTED: 21 SEPTEMBER 1982. PLANTED POPULATION: 29300.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1982	1981	1980	1982	1981	1980
MATURITY GROUP 1								
FUNK G-4514(SX)	23400	22.0	4.3	--	--	216.9*	--	--
FUNK G-4522(SX)	20600	22.0	8.1	24.0	--	193.8*	115.1	--
TAYLOR-EVANS T-E 6995(SX)	23200	22.0	5.3	10.2	3.6	189.2	132.7*	54.2
SUPER CROST 5438(SX)	21400	21.8	5.5	--	--	187.5	--	--
TROJAN T1100(SX)	21500	21.6	5.0	14.2	--	183.8	127.2	--
CARGILL 924(SX)	25200	20.3	4.7	--	--	183.7	--	--
DEKALB EX6261(SX)	19200	21.0	7.1	--	--	182.6	--	--
BURRUS BX21(SX)	21500	20.6	3.4	4.9	--	182.5	125.9	--
DEKALB XL72AA(SX)##	21900	21.6	15.2	21.5	3.9	182.4	139.3*	47.8
TROJAN TXS115A(SX)	19800	21.8	7.2	26.3	3.9	180.7	122.8	53.6
RING AROUND RA 1502(SX)	23500	23.2	6.5	16.5	--	176.1	136.1*	--
FUNK G-4520(SX)	22600	21.6	10.1	--	--	175.4	--	--
FUNK G-4507(SX)##	18900	21.5	31.8	27.4	4.2	170.7	129.0*	70.2
CARGILL 921(SX)	22500	20.8	11.1	19.4	--	169.1	118.0	--
FUNK G-4578(SX)	22300	21.3	14.9	--	--	164.9	--	--
GOLDEN HARVEST H-2500(SX)##	22100	21.7	5.9	11.0	5.5	163.6	125.3	59.2
MATURITY GROUP 2								
MIGRO SPX 77(SX)	22300	23.0	9.0	--	3.8	212.7*	--	70.4
BO-JAC 923(SX)	21700	23.8	16.1	--	2.7	207.0*	--	77.6
GOLD TAG GT 4430(SX)	21600	23.3	4.3	--	--	206.6*	--	--
HAPPEL MS-80(SX)	20500	21.8	15.3	--	--	201.6*	--	--
STAUFFER SEEDS 7759	22300	21.6	4.7	--	--	201.0*	--	--
DEKALB XL72S(SX)##	24900	23.5	10.9	11.4	3.8	200.8*	127.1	50.2
MFA 5802(SX)##	23800	21.4	3.3	35.6	5.9	200.1*	111.7	58.0
DEKALB XL 71(SX)	24900	23.1	5.3	--	0.6	199.4*	--	44.8
MFA 6708(SX)	18800	24.2	19.6	38.8	--	198.8*	97.6	--
DEKALB EX7778(SX)	22600	25.4	12.2	--	--	198.0*	--	--
LEWIS X74B(SX)	20300	24.1	4.5	--	--	196.6*	--	--
LYNKS LX 4500(SX)	19300	23.3	4.8	12.2	--	196.2*	128.4	--
DEKALB XL73(SX)	23100	23.2	20.4	16.0	--	194.3*	118.1	--
MFA 6707(SX)	20600	22.7	21.8	53.1	3.6	193.6*	76.6	89.0*
MCCURDY 84AA(SX)	22100	21.3	8.3	15.3	3.6	192.8*	123.0	85.7
MIGRO EX 5129(SX)	21500	23.1	6.8	--	--	190.6*	--	--
PAYMASTER 8201(SX)	20600	21.8	10.8	--	--	190.1*	--	--
LEWIS X83B(SX)	20800	24.4	7.3	--	--	189.7*	--	--
MIGRO HP 555(SX)	22300	22.1	9.3	--	--	189.0	--	--
STAUFFER SEEDS 114+	22000	23.8	7.1	12.8	--	183.7	134.0*	--
PAYMASTER 7601(SX)	21200	21.9	7.6	8.3	--	187.7	123.9	--
BURRUS BX39(SX)	21400	22.1	5.6	21.0	--	185.1	109.1	--
HAPPEL 8338(SX)	17500	20.3	5.5	--	--	184.9	--	--
STEWART 77(SFX)	20800	23.0	8.9	--	--	184.0	--	--
CARGILL 967(GX)##	22700	22.7	9.0	30.8	3.7	183.8	120.2	63.4
GOLDEN HARVEST H-2686(SX)	20000	24.3	6.6	--	--	180.9	--	--
FUNK G-4675A(SX)	20200	23.5	15.4	--	--	180.5	--	--
FUNK G-4606(SX)##	21900	22.4	9.7	40.6	5.1	179.4	106.4	57.2
JACQUES JX247(SX)	21200	23.8	17.7	--	--	179.3	--	--
TROJAN T1189(SX)	20300	22.1	5.2	9.2	--	178.6	135.5*	--
GOLDEN HARVEST H-2695(SX)	20800	24.7	30.1	--	--	178.3	--	--
FEDERAL FX40A(SX)	22000	21.6	14.5	--	--	176.2	--	--
LEWIS X93B(SX)	23700	22.3	5.5	--	--	175.7	--	--
OKER 19A(SFX)	23100	22.9	9.6	--	--	174.5	--	--
LEWIS X82B(SX)	19600	21.6	11.8	--	--	171.0	--	--
STEWART 7384(SX)	18500	22.2	9.0	--	--	169.8	--	--
ZIMMERMAN 225Y(SX)	21100	23.1	10.2	--	--	168.2	--	--
MCCURDY 81-82(SX)	24600	23.0	30.8	--	--	168.1	--	--
GROAGRI 2300	21400	21.7	12.3	24.8	--	166.9	128.8*	--
SUPER CROST 7801(SX)	21200	23.6	8.2	--	--	165.9	--	--
BO-JAC 562(SX)	22500	24.8	2.9	--	--	165.5	--	--
LYNKS LX 4355(SX)	23500	22.4	7.7	--	--	162.2	--	--
HAPPEL 3361A(SX)	22200	22.0	27.2	--	--	161.6	--	--
TAYLOR-EVANS T-E 6995-A(SX)	20500	22.0	10.9	23.4	2.0	160.1	136.7*	71.6
OKER 16(SPX)	17100	22.8	13.3	--	--	157.8	--	--
SUPER CROST 5452(SX)	20400	22.2	10.0	--	--	157.3	--	--
OKER 19(SX)	19800	22.1	6.2	--	--	156.2	--	--
GOLDEN HARVEST H-2680(SX)##	22900	23.5	19.8	28.6	--	147.0	99.6	--
US-13(DX)	20600	22.3	52.4	50.8	15.2	113.6	64.6	53.8
MATURITY GROUP 3								
TROJAN T1251(SX)	17500	24.1	4.3	--	--	231.2**	--	--
PAYMASTER 8951(SX)	23900	23.0	10.4	23.1	5.9	211.3*	113.9	44.2
PIONEER 3090(DX)##	22100	22.9	17.7	--	--	205.8*	--	--
FUNK G-4733(SX)	21900	22.9	9.8	--	--	202.7*	--	--
OKER 22(3X)	22200	23.5	3.9	--	--	202.5*	--	--
MIGRO M0707(SX)	21600	22.4	3.3	--	1.9	199.4*	--	77.2
PIONEER 3358(SX)	22100	22.0	1.0	--	--	191.7*	--	--
PAG SX333(SX)	23500	21.0	12.2	21.8	6.0	191.1*	114.5	63.2
LYNKS LX 4545(SX)	24300	24.2	17.2	37.5	--	191.1*	124.7	--
PIONEER 3320(SPX)	21900	22.0	5.0	13.7	1.2	188.2	130.3*	75.1

TABLE 14. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1982	1982	1982	1981	1980	1982	1981	1980
PIONEER 3184(SX)	23300	23.7	8.6	19.1	5.1	186.8	124.1	51.4
MIGRO HP-87(SX)	24200	23.7	24.5	--	4.0	186.8	--	74.5
PAG SX351(SX)##	20000	23.5	17.9	24.1	0.6	185.2	127.2	75.5
PIONEER 3382(SX)##	19600	22.4	7.0	20.6	3.6	182.6	115.9	71.0
TAYLOR-EVANS T-E 6998(SX)	21000	23.3	7.3	--	--	179.2	--	--
PRINCETON SX870	20300	24.0	11.4	22.7	5.3	178.4	133.7*	71.4
PIONEER 3183(SX)##	24300	24.0	10.4	13.3	1.4	177.3	142.9*	74.3
COKER 21(SX)	19200	27.8	21.6	--	--	176.9	--	--
MIGRO HP 771(SX)	23900	23.9	2.7	--	--	167.0	--	--
ZIMMERMAN Z14W(SX)#	22200	24.5	12.4	27.1	--	163.2	138.6*	--
ZIMMERMAN Z52W(SX)#	22700	26.6	46.5	--	--	145.5	--	--
ASGROW RX140A(SX)	21900	24.6	10.3	--	--	145.0	--	--
GROAGRI 2340	20500	23.7	20.5	28.0	--	142.2	113.3	--
MATURITY GROUP 4								
PAG SX98(SX)##	24400	23.0	15.9	27.0	5.2	138.9	101.2	74.5
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TRIAL AVERAGE	21600	22.8	11.6	23.6	4.3	181.4	118.8	66.8
L.S.D. AT .05						41.7	22.7	26.8

-- 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.

WHITE HYBRID.

TABLE 15. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT COLUMBIA WITH IRRIGATION AND WITHOUT IRRIGATION IN 1982.
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								
FUNK G-4522(SX)	8.1	33.2	--	20.6	198.8*	128.0*	--	163.4*
TROJAN TXS115A(SX)	7.2	37.4	--	22.3	180.7	137.2*	--	158.9*
FUNK G-4514(SX)	4.3	38.6	--	21.4	216.9*	99.5	--	158.2*
DEKALB EX6261(SX)	7.1	35.3	--	21.2	182.6	132.2*	--	157.4*
CARGILL 924(SX)	4.7	20.4	--	12.5	183.7	116.0	--	149.8
FUNK G-4507(SX)##	31.8	32.1	--	31.9	170.7	128.3*	--	149.5
GOLDEN HARVEST H-2500(SX)##	5.9	16.7	--	11.3	163.6	134.4*	--	149.0
BURRUS BX21(SX)	3.4	19.1	--	11.2	182.5	114.5	--	148.5
SUPER CROST 5438(SX)	5.5	30.6	--	18.0	187.5	105.1	--	146.3
FUNK G-4520(SX)	10.1	57.5	--	33.8	175.4	109.7	--	142.5
TAYLOR-EVANS T-E 6995(SX)	5.3	29.7	--	17.5	189.2	95.8	--	142.5
TROJAN T1100(SX)	5.0	28.1	--	16.5	183.8	100.8	--	142.3
FUNK G-4578(SX)	14.9	44.5	--	29.7	164.9	119.4*	--	142.1
RING AROUND RA 1502(SX)	6.5	37.4	--	21.9	176.1	103.8	--	139.9
DEKALB XL72AA(SX)##	15.2	25.6	--	20.4	182.4	97.0	--	139.7
CARGILL 921(SX)	11.1	22.9	--	17.0	169.1	106.7	--	137.9
MATURITY GROUP 2								
DEKALB XL72B(SX)##	10.9	29.4	--	20.1	200.8*	141.7*	--	171.2*
MFA 5802(SX)##	3.3	21.3	--	12.3	200.1*	127.4*	--	163.7*
GOLD TAG GT 4430(SX)	4.3	21.6	--	12.9	206.6*	120.8*	--	163.7*
PAYMASTER 7601(SX)	7.6	43.6	--	25.6	187.7	139.1*	--	163.4*
MIGRO SPX 77(SX)	9.0	21.2	--	15.1	212.7*	111.7	--	162.2*
STAUFFER SEEDS 7759	4.7	25.3	--	15.0	201.0*	119.4*	--	160.2*
DEKALB EX7778(SX)	12.2	36.1	--	24.1	198.0*	122.2*	--	160.1*
BO-JAC 923(SX)	16.1	33.9	--	25.0	207.0*	112.3	--	159.6*
HAPPEL MS-80(SX)	15.3	27.7	--	21.5	201.6*	117.2*	--	159.4*
PAYMASTER 8201(SX)	10.8	27.2	--	19.0	190.1*	127.8*	--	158.9*
MCCURDY 84AA(SX)	8.3	26.7	--	17.5	192.8*	124.0*	--	158.4*
HAPPEL 8338(SX)	5.5	8.4	--	6.9	184.9	131.3*	--	158.1*
TROJAN T1189(SX)	5.2	8.2	--	6.7	178.6	137.2*	--	157.9*
MIGRO EX 5129(SX)	6.8	6.1	--	6.4	190.6*	124.7*	--	157.6*
STAUFFER SEEDS 114+	7.1	41.8	--	24.4	188.7	123.1*	--	155.9*
FUNK G-4606(SX)##	9.7	60.0	--	34.8	179.4	128.7*	--	154.0
DEKALB LX 71(SX)	5.3	48.9	--	27.1	199.4*	108.5	--	153.9
LEWIS X83B(SX)	7.3	67.9	--	37.6	189.7*	115.1	--	152.4
FUNK G-4673A(SX)	15.4	30.2	--	22.8	180.5	123.3*	--	151.9
ZIMMERMAN Z25Y(SX)	10.2	26.2	--	18.2	168.2	133.0*	--	150.6
JACQUES JX247(SX)	17.7	37.1	--	27.4	179.3	120.7*	--	150.0
LYNKS LX 4500(SX)	4.8	58.3	--	31.5	196.2*	101.9	--	149.0
MIGRO HP 555(SX)	9.3	26.6	--	17.9	189.0	107.5	--	148.2
MFA 6707(SX)	21.8	53.6	--	37.7	193.6*	101.9	--	147.7
LEWIS X93B(SX)	5.5	32.6	--	19.0	175.7	118.4*	--	147.0
BURRUS BX39(SX)	5.6	42.0	--	23.8	185.1	107.1	--	146.1
LEWIS X74B(SX)	4.5	53.1	--	28.8	196.6*	95.2	--	145.9
GROAGRI 2300	12.3	18.8	--	15.5	166.9	124.8*	--	145.8
GOLDEN HARVEST H-2695(SX)	30.1	45.4	--	37.7	178.3	110.5	--	144.4
CARGILL 967(SX)##	9.0	55.8	--	32.4	183.8	104.9	--	144.3
COKER 19A(SPX)	9.6	23.4	--	16.5	174.5	114.2	--	144.3
FEDERAL FX40A(SX)	14.5	22.8	--	18.6	176.2	107.5	--	141.8
TAYLOR-EVANS T-E 6995-A(SX)	10.9	20.2	--	15.5	160.1	122.0*	--	141.0
GOLDEN HARVEST H-2686(SX)	6.6	39.6	--	23.1	180.9	100.3	--	140.6
MFA 6708(SX)	19.6	80.2	--	49.9	198.8*	82.4	--	140.6
STEWART 7384(SX)	9.0	20.9	--	14.9	169.8	111.1	--	140.4
SUPER CROST 7801(SX)	8.2	46.6	--	27.4	165.9	114.4	--	140.1
LEWIS X82B(SX)	11.8	29.4	--	20.6	171.0	108.3	--	139.6
DEKALB XL73(SX)	20.4	62.4	--	41.4	194.3*	84.2	--	139.2
LYNKS LX 4355(SX)	7.7	26.7	--	17.2	162.2	114.0	--	138.1
STEWART 77(SPX)	8.9	40.9	--	24.9	184.0	91.8	--	137.9
BO-JAC 562(SX)	2.9	46.3	--	24.6	165.5	109.7	--	137.6
COKER 16(SPX)	13.3	23.9	--	18.6	157.8	117.2*	--	137.5
MCCURDY 81-82(SX)	30.8	60.1	--	45.4	168.1	102.6	--	135.3
COKER 19(SX)	6.2	42.8	--	24.5	156.2	110.9	--	133.5
SUPER CROST 5452(SX)	10.0	42.9	--	26.4	157.3	104.8	--	131.0
HAPPEL 3361A(SX)	27.2	39.9	--	33.5	161.6	97.6	--	129.6
GOLDEN HARVEST H-2680(SX)##	19.8	49.3	--	34.5	147.0	104.8	--	125.9
US-13(DX)	52.4	89.0	--	70.7	113.6	78.8	--	96.2
MATURITY GROUP 3								
TROJAN T1251(SX)	4.3	20.4	--	12.3	231.2**	129.6*	--	180.4**
PIONEER 3358(SX)	1.0	38.3	--	19.6	191.7*	149.5**	--	170.6*
PAG SX333(SX)	12.2	25.9	--	19.5	191.1*	133.1*	--	162.1*
PIONEER 3320(SPX)	5.0	49.9	--	27.4	188.2	131.4*	--	159.8*
MIGRO M9707(SX)	3.3	30.7	--	17.0	199.4*	119.4*	--	159.4*
PIONEER 3090(DX)##	17.7	54.0	--	35.8	205.8*	110.2	--	158.0*
PAYMASTER 8951(SX)	10.4	59.1	--	34.7	211.3*	103.2	--	157.2*
FUNK G-4733(SX)	9.8	24.5	--	17.1	202.7*	109.9	--	156.3*
COKER 22(SX)	3.9	44.4	--	24.1	202.5*	108.6	--	155.5*
PIONEER 3183(SX)##	10.4	33.4	--	21.9	177.3	131.1*	--	154.2

TABLE 15. CONTINUED.

BRAND-HYBRID	LOGGING (%)			YIELD (BU/ACRE)				
	IRRIGAT	NON-IRR	MEAN	IRRIGAT	NON-IRR	MEAN		
LYNKS LX 4545(SX)	17.2	35.7	--	26.4	191.1*	117.1*	--	154.1
PIONEER 3382(SX)##	7.0	23.3	--	15.1	182.6	125.2*	--	153.9
PIONEER 3184(SX)	8.6	53.6	--	31.1	186.8	115.3	--	151.0
COKER 21(SX)	21.6	48.8	--	35.2	176.9	124.7*	--	150.8
PAG SX351(SX)##	17.9	46.6	--	32.2	185.2	103.8	--	144.5
MIGRO HP-87(SX)	24.5	40.6	--	32.5	186.8	100.1	--	143.4
PRINCETON SX870	11.4	41.3	--	26.3	178.4	104.4	--	141.4
MIGRO HP 771(SX)	2.7	45.8	--	24.2	167.0	110.6	--	138.8
TAYLOR-EVANS T-E 6998(SX)	7.3	40.7	--	24.0	179.2	95.0	--	137.1
ZIMMERMAN Z14W(SX)#	12.4	36.1	--	24.2	163.2	98.7	--	130.9
GROAGRI 2340	20.5	59.0	--	39.7	142.2	111.0	--	126.6
ZIMMERMAN Z52W(SX)#	46.5	62.1	--	54.3	145.5	102.3	--	123.9
ASGROW RX140A(3X)	10.3	43.6	--	26.9	145.0	97.6	--	121.3
MATURITY GROUP 4								
PAG SX98(SX)##	15.9	22.2	--	19.0	138.9	128.8*	--	133.8
TRIAL AVERAGE	11.6	38.1		24.5	181.4	113.3		147.6
L.S.D. AT .05					41.7	33.2		25.5

-- 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.

WHITE HYBRID.

TABLE 16. PERFORMANCE OF CORN HYBRIDS IRRIGATED NEAR PORTAGEVILLE ON THE DELTA RESEARCH CENTER IN 1980-82.
PLANTED: 14 APRIL 1982. HARVESTED: 9 SEPTEMBER 1982. PLANTED POPULATION; 29200.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1982	1981	1980	1982	1981	1980
MATURITY GROUP 1								
RING AROUND RA 1502(SX)	22300	19.3	0.0	1.7	--	190.9*	124.0*	--
TROJAN TXS115A(SX)	23200	19.5	0.0	1.6	6.9	185.7*	118.9*	17.3
TROJAN T1100(SX)	22400	18.5	0.0	0.4	--	178.9*	92.7	--
DEKALB XL72AA(SX)##	22800	19.0	1.2	1.2	2.0	176.9*	106.0	15.7
FUNK G-4578(3X)	22700	18.5	0.8	--	--	174.3*	--	--
FUNK G-4514(SX)	23800	19.1	0.7	--	--	167.7*	--	--
DEKALB EX6261(SX)	22200	17.9	0.0	--	--	165.4*	--	--
GOLDEN HARVEST H-2500(SX)##	21600	18.3	0.4	2.9	4.0	163.1*	125.6*	8.9
SUPER CROST 5438(SX)	21200	19.3	0.0	--	--	162.8*	--	--
CARGILL 924(SX)	24100	18.5	0.3	--	--	158.5	--	--
TAYLOR-EVANS T-E 6995(SX)	23400	19.3	1.5	3.0	5.1	156.0	103.4	17.8
FUNK G-4507(SX)##	22600	19.0	3.2	4.0	4.1	155.9	113.4	12.4
BURRUS BX21(SX)	23600	17.6	0.3	1.4	--	149.6	102.9	--
CARGILL 921(SX)	21900	18.1	0.8	5.8	--	140.7	92.9	--
FUNK G-4522(SX)	24000	18.8	0.8	3.2	--	132.2	105.8	--
FUNK G-4520(SX)	25700	19.0	0.3	--	--	131.5	--	--
MATURITY GROUP 2								
SUPER CROST 7801(SX)	19200	21.1	0.9	--	--	193.8*	--	--
ZIMMERMAN Z25Y(SX)	24000	20.9	0.4	--	--	186.3*	--	--
GOLDEN HARVEST H-2686(SX)	20700	21.1	2.7	--	--	185.8*	--	--
MIGRO EX 5129(SX)	20600	19.0	0.4	--	--	185.4*	--	--
LEWIS X82B(SX)	23200	21.7	1.2	--	--	184.9*	--	--
FUNK G-4606(SX)##	22900	19.5	0.4	2.2	8.1	184.0*	104.2	14.5
MIGRO HP 555(SX)	22300	19.5	0.4	--	--	183.9*	--	--
CARGILL 967(SX)##	23600	18.2	1.2	0.0	2.1	179.9*	111.7	26.2
LEWIS X74B(SX)	23800	20.8	0.4	--	--	178.5*	--	--
MIGRO SPX 77(SX)	21600	20.0	0.0	--	5.1	178.3*	--	23.2
BO-JAC 923(SX)	20400	20.6	0.0	--	8.3	174.8*	--	17.3
LYNKS LX 4500(SX)	22900	21.5	0.8	3.0	--	174.6*	113.8	--
LYNKS LX 4355(SX)	22700	17.5	1.2	--	--	174.1*	--	--
DEKALB XL 71(SX)	24400	18.9	0.3	--	7.1	173.3*	--	8.3
MFA 6707(SX)	21100	19.4	1.8	0.8	6.3	172.0*	124.2*	38.1
STAUFFER SEEDS 114+	21800	20.7	0.4	1.9	--	171.7*	140.2**	--
BURRUS BX39(SX)	22700	19.2	0.4	1.7	--	171.3*	118.3*	--
LEWIS X83B(SX)	21800	20.1	0.0	--	--	167.9*	--	--
COKER 16(SPX)	18900	19.3	1.2	--	--	167.8*	--	--
GROAGRI 2300	22200	17.8	1.6	1.1	--	166.9*	131.8*	--
PAYMASTER 8201(SX)	22100	18.5	2.7	--	--	166.7*	--	--
GOLDEN HARVEST H-2695(3X)	22500	22.7	1.2	--	--	166.7*	--	--
GOLDEN HARVEST H-2680(SX)##	22400	21.2	0.4	1.0	--	166.7*	109.6	--
TROJAN T1189(SX)	21600	19.0	1.2	1.7	--	166.6*	113.3	--
FUNK G-4673A(SX)	22700	20.2	0.4	--	--	165.0*	--	--
COKER 19(SX)	20800	19.7	0.8	--	--	163.3*	--	--
DEKALB XL72B(SX)##	19700	19.9	0.6	3.7	1.3	163.2*	111.6	27.0
JACQUES JX247(SX)	21600	21.8	0.4	--	--	162.5*	--	--
DEKALB EX7778(SX)	19500	21.2	0.0	--	--	161.8*	--	--
TAYLOR-EVANS T-E 6995-A(SX)	22300	18.7	1.7	2.6	1.3	161.2*	108.8	28.8
BO-JAC 562(SX)	21800	21.3	0.4	--	--	161.2*	--	--
COKER 19A(SPX)	23700	19.5	0.8	--	--	158.7	--	--
MCCURDY 81-82(SX)	23700	19.8	0.3	--	--	158.3	--	--
MFA 5802(SX)##	22300	18.2	0.4	4.6	5.0	158.3	125.3*	21.8
FEDERAL FX40A(SX)	20800	18.5	1.2	--	--	157.0	--	--
STEWART 77(SPX)	21600	18.8	0.8	--	--	154.0	--	--
HAPPEL 3361A(3X)	23100	19.4	1.2	--	--	149.8	--	--
DEKALB XL73(SX)	22600	19.7	0.3	0.4	--	148.8	97.4	--
MCCURDY 84AA(SX)	20400	19.9	0.0	0.9	5.9	148.6	113.7	11.2
HAPPEL MS-80(SX)	21700	19.1	0.9	--	--	145.1	--	--
HAPPEL 833B(SX)	20400	17.6	0.0	--	--	144.1	--	--
LEWIS X93B(SX)	22500	19.7	0.0	--	--	142.7	--	--
STAUFFER SEEDS 7759	22000	16.6	1.3	--	--	142.0	--	--
PAYMASTER 7601(SX)	23700	19.7	4.1	2.8	--	141.3	96.7	--
GOLD TAG GT 4430(SX)	22500	19.6	2.1	--	--	136.7	--	--
MFA 6708(SX)	20400	20.1	0.4	1.8	--	135.9	115.0	--
SUPER CROST 5452(SX)	21300	19.3	0.0	--	--	133.8	--	--
STEWART 7384(SX)	19900	19.0	0.8	--	--	130.9	--	--
US-13(DX)	22600	17.9	11.2	5.8	11.2	119.4	60.7	14.4
MATURITY GROUP 3								
FUNK G-4733(SX)	18600	21.3	0.4	--	--	202.6**	--	--
PIONEER 3184(SX)	24600	20.8	0.0	1.2	0.4	200.4*	120.8*	29.6
PIONEER 3183(SX)##	22700	20.2	0.4	0.0	8.5	199.8*	101.1	28.7
PIONEER 3358(SX)	24500	18.7	0.0	--	--	198.3*	--	--
GROAGRI 2340	21400	21.5	0.0	0.4	--	193.8*	135.0*	--
MIGRO HP 771(SX)	24100	21.4	2.3	--	--	182.6*	--	--
COKER 21(SX)	21600	21.1	0.9	--	--	181.3*	--	--
ZIMMERMAN Z14W(SX)##	25200	20.9	0.0	2.0	--	181.1*	103.7	--
PIONEER 3090(DX)##	21400	21.7	0.4	--	--	179.5*	--	--
PRINCETON SX870	20200	21.0	0.0	0.5	4.0	177.9*	116.4	13.7

TABLE 16. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1982	1982	1982	1981	1980	1982	1981	1980
PIONEER 3320(SPX)	23900	19.8	0.0	0.0	0.8	170.5*	110.8	32.5
PAG SX333(SX)	21400	18.1	0.0	3.6	4.1	168.3*	92.1	12.4
ASGROW RX140A(3X)	22900	22.4	0.0	--	--	166.8*	--	--
LYNKS LX 4545(SX)	21700	21.1	1.7	1.9	--	166.3*	127.9*	--
TROJAN T1251(SX)	22700	19.6	0.0	--	--	165.3*	--	--
ZIMMERMAN Z52N(3X)#	24200	22.6	3.5	--	--	162.9*	--	--
MIGRO HP-87(SX)	24200	21.3	2.0	--	4.4	160.9*	--	18.1
PAYMASTER 8951(SX)	22300	20.9	2.3	3.0	4.5	160.0*	113.4	16.3
MIGRO M0707(SX)	22200	19.7	2.1	--	3.0	157.6	--	22.0
COKER 22(3X)	22500	21.2	1.3	--	--	156.1	--	--
PIONEER 3382(SX)##	21700	18.2	2.2	1.5	2.1	152.6	106.4	37.1
PAG SX351(SX)##	23700	18.1	0.4	2.5	3.5	146.2	113.5	15.3
TAYLOR-EVAHS T-E 6998(SX)	19600	21.0	0.4	--	--	144.0	--	--
MATURITY GROUP 4								
PAG SX98(SX)##	22300	19.9	1.2	5.6	2.9	166.7*	105.3	15.8
TRIAL AVERAGE	22200	19.7	0.9	1.8	4.2	165.1	109.2	19.9
L.S.D. AT .05						43.5	22.4	13.7

-- 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.

WHITE HYBRID.

TABLE 17. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT PORTAGEVILLE WITH IRRIGATION AND WITHOUT IRRIGATION IN 1982.
PLANTED POPULATIONS: NON-IRRIGATED 23200 AND IRRIGATED 29200.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	IRRIGAT	NON-IRR	MEAN	IRRIGAT	NON-IRR	MEAN		
MATURITY GROUP 1								
RING AROUND RA 1502(SX)	0.0	7.8	--	3.9	190.9*	108.3*	--	149.6*
TROJAN TXS115A(SX)	0.0	1.8	--	0.9	185.7*	99.9*	--	142.8*
DEKALB EX6261(SX)	0.0	11.1	--	5.5	165.4*	118.4**	--	141.9*
TROJAN T1100(SX)	0.0	2.1	--	1.0	178.9*	99.0*	--	138.9*
GOLDEN HARVEST H-2500(SX)##	0.4	0.4	--	0.4	163.1*	114.6*	--	138.8*
SUPER CROST 5438(SX)	0.0	0.5	--	0.2	162.8*	111.3*	--	137.0*
FUNK G-4578(SX)	0.8	3.0	--	1.9	174.3*	96.2*	--	135.2*
DEKALB XL72AA(3X)##	1.2	3.0	--	2.1	176.9*	92.1*	--	134.5*
FUNK G-4514(SX)	0.7	14.5	--	7.6	167.7*	100.7*	--	134.2*
FUNK G-4507(SX)##	3.2	0.4	--	1.8	155.9	109.4*	--	132.6*
CARGILL 924(SX)	0.3	3.4	--	1.8	158.5	105.9*	--	132.2*
TAYLOR-EVANS T-E 6995(SX)	1.5	4.9	--	3.2	156.0	93.7*	--	124.8
CARGILL 921(SX)	0.8	3.9	--	2.3	140.7	107.7*	--	124.2
FUNK G-4522(SX)	0.8	4.5	--	2.6	132.2	98.8*	--	115.5
BURRUS BX21(SX)	0.3	4.0	--	2.1	149.6	79.0	--	114.3
FUNK G-4520(SX)	0.3	7.6	--	3.9	131.5	71.8	--	101.6
MATURITY GROUP 2								
MIGRO EX 5129(SX)	0.4	2.1	--	1.2	185.4*	109.3*	--	147.3*
GOLDEN HARVEST H-2686(SX)	2.7	5.0	--	3.8	185.8*	104.2*	--	145.0*
MIGRO SPX 77(SX)	0.0	7.0	--	3.5	178.3*	109.7*	--	144.0*
ZIMMERMAN Z25Y(SX)	0.4	2.8	--	1.6	186.3*	100.2*	--	143.2*
MIGRO HP 555(SX)	0.4	3.0	--	1.7	183.9*	101.4*	--	142.6*
LYNKS LX 4500(SX)	0.8	3.1	--	1.9	174.6*	101.5*	--	138.0*
SUPER CROST 7801(SX)	0.9	17.9	--	9.4	193.8*	81.3	--	137.5*
STAUFFER SEEDS 114+	0.4	6.7	--	3.5	171.7*	103.4*	--	137.5*
LEWIS X82B(SX)	1.2	2.5	--	1.8	184.9*	88.9	--	136.9*
BURRUS BX39(SX)	0.4	1.4	--	0.9	171.3*	100.6*	--	135.9*
DEKALB EX7778(SX)	0.0	2.3	--	1.1	161.8*	109.1*	--	135.4*
MFA 6707(SX)	1.8	10.6	--	6.2	172.0*	97.4*	--	134.7*
LEWIS X74B(SX)	0.4	4.6	--	2.5	178.5*	90.7*	--	134.6*
FUNK G-4606(SX)##	0.4	3.4	--	1.9	184.0*	83.3	--	133.6*
GOLDEN HARVEST H-2680(SX)##	0.4	7.1	--	3.7	166.7*	100.6*	--	133.6*
PAYMASTER 8201(SX)	2.7	11.1	--	6.9	166.7*	100.0*	--	133.3*
LEWIS X83B(SX)	0.0	1.3	--	0.6	167.9*	98.2*	--	133.0*
LYNKS LX 4355(SX)	1.2	0.9	--	1.0	174.1*	91.6*	--	132.8*
DEKALB XL 71(SX)	0.3	1.5	--	0.9	173.3*	91.4*	--	132.3*
DEKALB XL73(SX)	0.3	0.8	--	0.5	148.8	115.5*	--	132.1*
GOLDEN HARVEST H-2695(3X)	1.2	9.5	--	5.3	166.7*	93.9*	--	130.3*
FEDERAL FX40A(SX)	1.2	4.4	--	2.8	157.0	102.3*	--	129.6*
TAYLOR-EVANS T-E 6995-A(SX)	1.7	0.4	--	1.0	161.2*	97.3*	--	129.2*
BO-JAC 923(SX)	0.0	18.2	--	9.1	174.8*	83.5	--	129.1*
CARGILL 967(SX)##	1.2	7.6	--	4.4	179.9*	78.0	--	128.9*
JACQUES JX247(SX)	0.4	4.6	--	2.5	162.5*	95.1*	--	128.8*
GROAGRI 2300	1.6	3.4	--	2.5	166.9*	90.3	--	128.6*
HAPPEL 8338(SX)	0.0	3.6	--	1.8	144.1	112.8*	--	128.4*
BO-JAC 562(SX)	0.4	7.7	--	4.0	161.2*	92.3*	--	126.7
STEWART 77(SPX)	0.8	7.8	--	4.3	154.0	97.4*	--	125.7
HAPPEL MS-80(SX)	0.9	2.9	--	1.9	145.1	105.1*	--	125.1
MFA 5802(SX)##	0.4	3.5	--	1.9	158.3	91.3*	--	124.8
COKER 16(SPX)	1.2	4.7	--	2.9	167.8*	80.7	--	124.2
LEWIS X93B(SX)	0.0	0.4	--	0.2	142.7	104.5*	--	123.6
PAYMASTER 7601(SX)	4.1	9.4	--	6.7	141.3	105.4*	--	123.3
SUPER CROST 5452(SX)	0.0	2.5	--	1.2	133.8	111.4*	--	122.6
TROJAN T1189(SX)	1.2	6.8	--	4.0	166.6*	78.2	--	122.4
MFA 6708(SX)	0.4	4.1	--	2.2	135.9	108.9*	--	122.4
COKER 19(SX)	0.8	1.4	--	1.1	163.3*	80.8	--	122.0
HAPPEL 3361A(3X)	1.2	3.0	--	2.1	149.8	93.5*	--	121.6
COKER 19A(SPX)	0.8	5.1	--	2.9	158.7	84.3	--	121.5
MCCURDY 81-82(SX)	0.3	3.7	--	2.0	158.3	83.4	--	120.8
DEKALB XL72B(SX)##	0.6	3.3	--	1.9	163.2*	77.8	--	120.5
FUNK G-4673A(SX)	0.4	3.2	--	1.8	165.0*	74.8	--	119.9
MCCURDY 84AA(SX)	0.0	2.4	--	1.2	148.6	86.8	--	117.7
GOLD TAG GT 4430(SX)	2.1	2.2	--	2.1	136.7	98.1*	--	117.4
STAUFFER SEEDS 7759	1.3	4.4	--	2.8	142.0	91.4*	--	116.7
STEWART 7384(SX)	0.8	4.1	--	2.4	130.9	87.2	--	109.0
US-13(DX)	11.2	20.6	--	15.9	119.4	66.2	--	92.8
MATURITY GROUP 3								
PIONEER 3184(SX)	0.0	0.0	--	0.0	200.4*	104.3*	--	152.3**
PIONEER 3358(SX)	0.0	0.9	--	0.4	198.3*	104.5*	--	151.4*
FUNK G-4733(SX)	0.4	2.3	--	1.3	202.6**	92.0*	--	147.3*
PRINCETON SX870	0.0	7.8	--	3.9	177.9*	110.8*	--	144.3*
GROAGRI 2340	0.0	4.8	--	2.4	193.8*	92.1*	--	142.9*
PIONEER 3183(SX)##	0.4	0.9	--	0.6	199.8*	84.2	--	142.0*
PIONEER 3090(DX)##	0.4	6.0	--	3.2	179.5*	97.2*	--	138.3*
ZIMMERMAN Z14W(SX)##	0.0	2.7	--	1.3	181.1*	87.8	--	134.4*
MIGRO HP 771(SX)	2.3	3.8	--	3.0	182.6*	80.0	--	131.3*
ASGROW RX140A(3X)	0.0	11.0	--	5.5	166.8*	92.9*	--	129.8*

TABLE 17. CONTINUED.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	IRRIGAT	NON-IRR	MEAN	IRRIGAT	NON-IRR	MEAN		
COKER 21(SX)	0.9	8.9	--	4.9	181.3*	78.0	--	129.6*
PAYMASTER 8951(SX)	2.3	5.9	--	4.1	160.0*	98.8*	--	129.4*
TROJAN T1251(SX)	0.0	9.9	--	4.9	165.3*	91.7*	--	128.5*
PIONEER 3320(SPX)	0.0	2.9	--	1.4	170.5*	82.7	--	126.6
PIONEER 3382(SX)##	2.2	2.8	--	2.5	152.6	99.3*	--	125.9
PAG SX333(SX)	0.0	1.7	--	0.8	168.3*	81.2	--	124.7
LYNKS LX 4545(SX)	1.7	8.1	--	4.9	166.3*	80.3	--	123.3
MIGRO M0707(SX)	2.1	5.5	--	3.8	157.6	89.0	--	123.3
MIGRO HP-87(SX)	2.0	8.1	--	5.0	160.9*	84.5	--	122.7
ZIMMERMAN Z52W(3X)#	3.5	3.6	--	3.5	162.9*	81.9	--	122.4
COKER 22(3X)	1.3	9.6	--	5.4	156.1	77.1	--	116.6
PAG SX351(SX)##	0.4	9.0	--	4.7	146.2	83.7	--	114.9
TAYLOR-EVANS T-E 6998(SX)	0.4	10.0	--	5.2	144.0	82.5	--	113.2
Maturity Group 4								
PAG SX98(SX)##	1.2	4.9	--	3.0	166.7*	96.9*	--	131.8*
TRIAL AVERAGE	0.9	5.3		2.9	165.1	93.9		129.6
L.S.D. AT .05					43.5	27.9		24.5

-- 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.

WHITE HYBRID.

TABLE 18. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT TWO IRRIGATED MISSOURI LOCATIONS (COLUMBIA AND PORTAGEVILLE) IN 1982. PLANTED POPULATIONS: COLUMBIA 29300 AND PORTAGEVILLE 29200.

BRAND-HYBRID	LOGGING (%)			YIELD (BU/ACRE)				
	COLUMBIA	PORTAGV	MEAN	COLUMBIA	PORTAGV	MEAN		
MATURITY GROUP 1								
FUNK G-4514(SX)	4.3	0.7	--	2.5	216.9*	167.7*	--	192.3*
RING AROUND RA 1502(SX)	6.5	0.0	--	3.2	176.1	190.9*	--	183.5*
TROJAN TXS115A(SX)	7.2	0.0	--	3.6	180.7	185.7*	--	183.2*
TROJAN T1100(SX)	5.0	0.0	--	2.5	183.8	178.9*	--	181.3*
DEKALB XL72AA(SX)##	15.2	1.2	--	8.2	182.4	176.9*	--	179.6*
SUPER CROST 5438(SX)	5.5	0.0	--	2.7	187.5	162.8*	--	175.1*
DEKALB EX6261(SX)	7.1	0.0	--	3.5	182.6	165.4*	--	174.0*
TAYLOR-EVANS T-E 6995(SX)	5.3	1.5	--	3.4	189.2	156.0	--	172.6
CARGILL 924(SX)	4.7	0.3	--	2.5	183.7	158.5	--	171.1
FUNK G-4578(SX)	14.9	0.8	--	7.8	164.9	174.3*	--	169.6
BURRUS BX21(SX)	3.4	0.3	--	1.8	182.5	149.6	--	166.0
FUNK G-4522(SX)	8.1	0.8	--	4.4	198.8*	132.2	--	165.5
FUNK G-4507(SX)##	31.8	3.2	--	17.5	170.7	155.9	--	163.3
GOLDEN HARVEST H-2500(SX)##	5.9	0.4	--	3.1	163.6	163.1*	--	163.3
CARGILL 921(SX)	11.1	0.8	--	5.9	169.1	140.7	--	154.9
FUNK G-4520(SX)	10.1	0.3	--	5.2	175.4	131.5	--	153.4
MATURITY GROUP 2								
MIGRO SPX 77(SX)	9.0	0.0	--	4.5	212.7*	178.3*	--	195.5*
BO-JAC 923(SX)	16.1	0.0	--	8.0	207.0*	174.8*	--	190.9*
MIGRO EX 5129(SX)	6.8	0.4	--	3.6	190.6*	185.4*	--	183.0*
LEWIS X74B(SX)	4.5	0.4	--	2.4	196.6*	178.5*	--	187.5*
MIGRO HP 555(SX)	9.3	0.4	--	4.8	189.0	183.9*	--	186.4*
DEKALB XL 71(SX)	5.3	0.3	--	2.8	199.4*	173.3*	--	186.3*
LYNKS LX 4500(SX)	4.8	0.8	--	2.8	196.2*	174.6*	--	185.4*
GOLDEN HARVEST H-2686(SX)	6.6	2.7	--	4.6	180.9	185.8*	--	183.3*
MFA 6707(SX)	21.8	1.8	--	11.8	193.6*	172.0*	--	182.8*
DEKALB XL72B(SX)##	10.9	0.6	--	5.7	200.8*	163.2*	--	182.0*
CARGILL 967(SX)##	9.0	1.2	--	5.1	183.8	179.9*	--	181.8*
FUNK G-4606(SX)##	9.7	0.4	--	5.0	179.4	184.0*	--	181.7*
STAUFFER SEEDS 114+	7.1	0.4	--	3.7	188.7	171.7*	--	180.2*
DEKALB EX7778(SX)	12.2	0.0	--	6.1	198.0*	161.8*	--	179.9*
SUPER CROST 7801(SX)	8.2	0.9	--	4.5	165.9	193.8*	--	179.8*
MFA 5802(SX)##	3.3	0.4	--	1.8	200.1*	158.3	--	179.2*
LEWIS X83B(SX)	7.3	0.0	--	3.6	189.7*	167.9*	--	178.8*
PAYMASTER 8201(SX)	10.8	2.7	--	6.7	190.1*	166.7*	--	178.4*
BURRUS BX39(SX)	5.6	0.4	--	3.0	185.1	171.3*	--	178.2*
LEWIS X82B(SX)	11.8	1.2	--	6.5	171.0	184.9*	--	177.9*
ZIMMERMAN Z25Y(SX)	10.2	0.4	--	5.3	168.2	186.3*	--	177.2*
HAPPEL MS-80(SX)	15.3	0.9	--	8.1	201.6*	145.1	--	173.3
FUNK G-4673A(SX)	15.4	0.4	--	7.9	180.5	165.0*	--	172.7
TROJAN T1189(SX)	5.2	1.2	--	3.2	178.6	166.6*	--	172.6
GOLDEN HARVEST H-2695(SX)	30.1	1.2	--	15.6	178.3	166.7*	--	172.5
GOLD TAG GT 4430(SX)	4.3	2.1	--	3.2	206.6*	136.7	--	171.6
STAUFFER SEEDS 7759	4.7	1.3	--	3.0	201.0*	142.0	--	171.5
DEKALB XL73(SX)	20.4	0.3	--	10.3	194.3*	148.8	--	171.5
JACQUES JX247(SX)	17.7	0.4	--	9.0	179.3	162.5*	--	170.9
MCCURDY 84AA(SX)	8.3	0.0	--	4.1	192.8*	148.6	--	170.7
STEWART 77(SPX)	8.9	0.8	--	4.8	184.0	154.0	--	169.0
LYNKS LX 4355(SX)	7.7	1.2	--	4.4	162.2	174.1*	--	168.1
MFA 6708(SX)	19.6	0.4	--	10.0	198.8*	135.9	--	167.3
GROAGRI 2300	12.3	1.6	--	6.9	166.9	166.9*	--	166.9
COKER 19A(SPX)	9.6	0.8	--	5.2	174.5	158.7	--	166.6
FEDERAL FX40A(SX)	14.5	1.2	--	7.8	176.2	157.0	--	166.6
PAYMASTER 7601(SX)	7.6	4.1	--	5.8	187.7	141.3	--	164.5
HAPPEL 8338(SX)	5.5	0.0	--	2.7	184.9	144.1	--	164.5
BO-JAC 562(SX)	2.9	0.4	--	1.6	165.5	161.2*	--	163.3
MCCURDY 81-82(SX)	30.8	0.3	--	15.5	168.1	158.3	--	163.2
COKER 16(SPX)	13.3	1.2	--	7.2	157.8	167.8*	--	162.8
TAYLOR-EVANS T-E 6995-A(SX)	10.9	1.7	--	6.3	160.1	161.2*	--	160.6
COKER 19(SX)	6.2	0.8	--	3.5	156.2	163.3*	--	159.7
LEWIS X93B(SX)	5.5	0.0	--	2.7	175.7	142.7	--	159.2
GOLDEN HARVEST H-2680(SX)##	19.8	0.4	--	10.1	147.0	166.7*	--	156.8
HAPPEL 3361A(SX)	27.2	1.2	--	14.2	161.6	149.8	--	155.7
STEWART 7384(SX)	9.0	0.8	--	4.9	169.8	130.9	--	150.3
SUPER CROST 5452(SX)	10.0	0.0	--	5.0	157.3	133.8	--	145.5
US-13(DX)	52.4	11.2	--	31.8	113.6	119.4	--	116.5
MATURITY GROUP 3								
FUNK G-4733(SX)	9.8	0.4	--	5.1	202.7*	202.6**	--	202.6**
TROJAN T1251(SX)	4.3	0.0	--	2.1	231.2**	165.3*	--	198.2*
PIONEER 3358(SX)	1.0	0.0	--	0.5	191.7*	198.3*	--	195.0*
PIONEER 3184(SX)	8.6	0.0	--	4.3	186.8	200.4*	--	193.6*
PIONEER 3090(DX)##	17.7	0.4	--	9.0	205.8*	179.5*	--	192.6*
PIONEER 3183(SX)##	10.4	0.4	--	5.4	177.3	199.8*	--	188.5*
PAYMASTER 8951(SX)	10.4	2.3	--	6.3	211.3*	160.0*	--	185.6*
PAG SX333(SX)	12.2	0.0	--	6.1	191.1*	168.3*	--	179.7*
COKER 22(SX)	3.9	1.3	--	2.6	202.5*	156.1	--	179.3*
PIONEER 3320(SPX)	5.0	0.0	--	2.5	188.2	170.5*	--	179.3*

TABLE 18. CONTINUED.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	COLUMBA	PORTAGV	MEAN	COLUMBA	PORTAGV	MEAN		
COKER 21(SX)	21.6	0.9	--	11.2	176.9	181.3*	--	179.1*
LYNKS LX 4545(SX)	17.2	1.7	--	9.4	191.1*	166.3*	--	178.7*
MIGRO M0797(SX)	3.3	2.1	--	2.7	199.4*	157.6	--	178.5*
PRINCETON SX870	11.4	0.0	--	5.7	178.4	177.9*	--	178.1*
MIGRO HP 771(SX)	2.7	2.3	--	2.5	167.0	182.6*	--	174.8*
MIGRO HP-87(SX)	24.5	2.0	--	13.2	186.8	160.9*	--	173.8
ZIMMERMAN Z14W(SX)#	12.4	0.0	--	6.2	163.2	181.1*	--	172.1
GRDAGRI 2340	20.5	0.0	--	10.2	142.2	193.8*	--	168.0
PIONEER 3382(SX)##	7.0	2.2	--	4.6	182.6	152.6	--	167.6
PAG SX351(SX)##	17.9	0.4	--	9.1	185.2	146.2	--	165.7
TAYLOR-EVANS T-E 6998(SX)	7.3	0.4	--	3.8	179.2	144.0	--	161.6
ASGROW RX140A(3X)	10.3	0.0	--	5.1	145.0	166.8*	--	155.9
ZIMMERMAN Z52W(3X)#	46.5	3.5	--	25.0	145.5	162.9*	--	154.2
MATURITY GROUP 4								
PAG SX98(SX)##	15.9	1.2	--	8.5	138.9	166.7*	--	152.8
TRIAL AVERAGE	11.6	0.9		6.2	181.4	165.1		173.2
L.S.D. AT .05					41.7	43.5		28.8

-- 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.

WHITE HYBRID.

TABLE 19. ENTRIES IN THE 1982 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 3100(SX)	X	X			AMERICANA 3200(SX)	X	X		
BURRUS BX21(SX)	X	X	X	X	BURRUS BX23(SX)	X	X		
CARGILL 924(SX)	X	X	X	X	CARGILL 921(SX)	X	X	X	X
CARGILL 922(SX)	X				DEKALB EX5657(SX)	X			
DEKALB EX6261(SX)	X	X	X	X	DEKALB EX6060(SX)	X			
DEKALB XL67(SX)	X				DEKALB XL72AA(SX)##	X	X	X	X
FEDERAL FX39(SX)	X	X			FUNK G-4507(SX)##	X	X	X	X
FUNK G-4522(SX)	X	X	X	X	FUNK G-4578(SX)	X	X	X	X
FUNK G-4514(SX)	X	X	X	X	FUNK G-4520(SX)	X	X	X	X
GOLDEN HARVEST H-2500(SX)##	X	X	X	X	JACQUES JX180(SX)	X			
JACQUES 8220(SX)	X	X			KELTGEN KS112(SX)	X			
KELTGEN KS114(SX)	X				KELTGEN KS115(SX)	X			
MCCURDY 7384(SX)	X				NORTHROP KING PX 79(SX)	X	X	X	X
NORTHROP KING PX 9527(SX)	X				NORTHROP KING PX 74(SX)	X			
O'S GOLD 3344(SX)	X				O'S GOLD 5500A(SX)	X			
O'S GOLD 6882(SX)	X	X			O'S GOLD 2370(SX)	X	X	X	X
RING AROUND RA 1502(SX)	X	X	X	X	RING AROUND RA 1604(SX)	X	X	X	X
RING AROUND RA 1404(SX)	X				STAUFFER SEEDS 6596(SX)	X			
SUPER CROST 4661(SX)	X				SUPER CROST 5438(SX)	X	X	X	X
SUPER CROST 4350(SPX)	X	X			TAYLOR-EVANS T-E 6995(SX)	X	X	X	X
TROJAN T1100(SX)	X	X	X	X	TROJAN TXS115A(SX)	X	X	X	X
USS 0525	X				USS 1010	X			
MATURITY GROUP 2									
AMERICANA 4100(SX)	X	X			AMERICANA 4640(SX)	X	X		
AMERICANA 4730(SX)	X	X			ASGROW RX777(SX)	X	X		
ASGROW RX864(3X)	X				ASGROW RX90(SX)	X			
ASGROW RX909(SX)	X				BO-JAC 923(SX)	X	X	X	X
BO-JAC 502(SX)	X	X	X	X	BURRUS BX39(SX)	X	X	X	X
BURRUS BX38(SX)	X				CARGILL 967(SX)##	X	X	X	X
CMS 514(SX)	X	X			CMS 516(SX)	X	X	X	X
CMS 513(SX)	X	X			CMS 512(SX)	X	X	X	X
COKER 19A(SPX)	X	X	X	X	COKER 19(SX)	X	X	X	X
COKER 16(SPX)	X	X	X	X	DEKALB XL75(SX)	X	X	X	X
DEKALB EX7778(SX)	X	X	X	X	DEKALB XL71(SX)	X	X	X	X
DEKALB EX7979(SX)	X	X	X	X	DEKALB XL72B(SX)##	X	X	X	X
FEDERAL FX40A(SX)	X	X	X	X	FONTANELLE 580(SX)	X	X	X	X
FONTANELLE 611(SX)	X				FUNK G-4606(SX)##	X	X	X	X
FUNK G-4673A(SX)	X	X	X	X	GOLD TAG GT 4430(SX)	X	X	X	X
GOLDEN HARVEST H-2680(SX)##	X	X	X	X	GOLDEN HARVEST H-2630(SX)	X	X	X	X
GOLDEN HARVEST H-2695(3X)	X	X	X	X	GOLDEN HARVEST H-2686(SX)	X	X	X	X
GOLD TAG GT 4022(SX)	X	X	X	X	GR0AGRI 2300	X	X	X	X
HAPPEL MS-80(SX)	X	X	X	X	HAPPEL 3361A(3X)	X	X	X	X
HAPPEL 8338(SX)	X	X	X	X	IOWA-MISSOURI SX 16(SX)	X	X	X	X
IOWA-MISSOURI MSX 118(SPX)	X				JACQUES JX247(SX)	X	X	X	X
KELTGEN KS116(SX)	X				LEWIS X580(SX)	X	X	X	X
LEWIS X83B(SX)	X	X	X	X	LEWIS X82B(SX)	X	X	X	X
LEWIS X81B(SX)	X	X	X	X	LEWIS X74B(SX)	X	X	X	X
LEWIS X93B(SX)	X	X	X	X	LEWIS X59B(SX)	X			
LEWIS X63B(SX)	X				LYNKS LX 4480(SX)	X	X	X	X
LYNKS LX 4488(SX)	X				LYNKS LX 4500(SX)	X	X	X	X
LYNKS LX 4355(SX)	X	X	X	X	LYNKS LX 4364(SX)	X	X	X	X
MCALLISTER SX7918	X				MCCURDY 7787(SX)	X			
MCCURDY 84AA(SX)	X	X	X	X	MCCURDY 81-82(SX)	X	X	X	X
MCCURDY 7676(SX)	X				MFA 5802(SX)##	X	X	X	X
MFA 6707(SX)	X	X	X	X	MFA 6708(SX)	X	X	X	X
MIGRO SPX 77(SX)	X	X	X	X	MIGRO EX 5129(SX)	X	X	X	X
MIGRO HP 555(SX)	X	X	X	X	NC+ 8331(SX)	X	X	X	X
NC+ 6190(SX)	X	X			NC+ 7120(SX)	X	X	X	X
O'S GOLD 5509(SX)	X	X	X	X	O'S GOLD 5291(SX)	X	X	X	X
PAYMASTER 6990(SX)	X	X	X	X	PAYMASTER 8201(SX)	X	X	X	X
PAYMASTER 7601(SX)	X	X	X	X	STAUFFER SEEDS 7795	X	X	X	X
STAUFFER SEEDS 114+	X	X	X	X	STAUFFER SEEDS 7759	X	X	X	X
STAUFFER SEEDS 7767	X	X	X	X	STEWART 7384(SX)	X	X	X	X
STEWART 77(SPX)	X	X	X	X	SUPER CROST 5452(SX)	X	X	X	X
SUPER CROST 7600(SX)	X	X	X	X	SUPER CROST 7801(SX)	X	X	X	X
TAYLOR-EVANS T-E 6995-A(SX)	X	X	X	X	TROJAN T1189(SX)	X	X	X	X
TROJAN T1230(SX)	X	X	X	X	US-13(DX)	X	X	X	X
WILSON 1800B(SX)	X				WILSON 1800A(SX)	X			
WILSON 1900(SX)	X				ZIMMERMAN Z257(SX)	X	X	X	X
MATURITY GROUP 3									
AMERICANA 4808(SX)	X	X			ASGROW RX140A(3X)		X	X	X
COKER 21(SX)	X	X			COKER 22(3X)	X	X	X	X
FONTANELLE 690(SX)	X	X	X	X	FONTANELLE 680(SX)	X	X	X	X
FUNK G-4733(SX)	X	X	X	X	GR0AGRI 2340	X	X	X	X
IOWA-MISSOURI SX 20(SX)	X				LYNKS LX 4545(SX)	X	X	X	X
MCCURDY 8150(SX)	X	X	X	X	MCCURDY 80-72(SX)	X	X	X	X
MIGRO HP 771(SX)	X	X	X	X	MIGRO HP-87(SX)	X	X	X	X
MIGRO M0707(SX)	X	X	X	X	NC+ 5X90(SX)	X	X	X	X
NORTHROP KING PX 9581(SX)	X	X	X	X	NORTHROP KING PX 9609(SX)	X	X	X	X
PAG SX333(SX)	X	X	X	X	PAG SX351(SX)##	X	X	X	X
PAYMASTER 8951(SX)	X	X	X	X	PIONEER 3184(SX)	X	X	X	X
PIONEER 3183(SX)##	X	X	X	X	PIONEER 3382(SX)##	X	X	X	X
PIONEER 3090(DX)##	X	X	X	X	PIONEER 3377(SX)	X	X	X	X
PIONEER 3323(SX)	X				PIONEER 3358(SX)	X	X	X	X
PIONEER 3320(SPX)	X	X	X	X	PRINCETON SX870	X	X	X	X
STAUFFER SEEDS C316	X	X	X	X	STAUFFER SEEDS 8500	X	X	X	X
TAYLOR-EVANS T-E 6998(SX)	X	X	X	X	TROJAN T1251(SX)	X	X	X	X
USS 2020	X				ZIMMERMAN Z144(SX)##	X	X	X	X
ZIMMERMAN Z52W(3X)##	X	X	X	X					
MATURITY GROUP 4									
NORTHROP KING PX 95(SX)		X	X		PAG SX98(SX)##	X	X	X	X
PIONEER 3186(SX)	X	X							

WHITE HYBRID
WIDELY GROWN HYBRID

TABLE 20. SOURCE OF COMMERCIAL SEED CORN FOR HYBRIDS ENTERED IN THE 1982 MISSOURI YIELD TRIALS.

BRAND	FIRM	ADDRESS
AMERICANA	AMERICANA SEEDS, INC.	P.O. BOX 275, BOWEN, IL 62316
ASGROW	ASGROW SEED CO.	7000 PORTAGE RD, KALAMAZOO, MI 49001
BO-JAC	BO-JAC HYBRID CORN CO.	RT. 2, MT. POLASKI, IL 62548
BURRUS	BURRUS BROS. & ASSOC. GROWERS	RR. 1 BOX 22, ARENZVILLE, IL 62611
CARGILL	CARGILL SEEDS	P.O. BOX 467, MONTICELLO, IL 61856-0467
CMS	CENTRAL MISSOURI SEEDS, INC.	BOX 1147, HWY. 36 W., HANNIBAL, MO 63401
COCKER	COCKERS PEDIGREED SEED CO.	P.O. BOX 340, HARTSVILLE, SC 29550
DEKALB	DEKALB AGRESEARCH, INC.	SYCAMORE ROAD, DEKALB, IL 60115
FEDERAL	FEDERAL HYBRIDS	RT. 2, MARION, IA 52302
FONTANELLE	FONTANELLE HYBRIDS	RT. 1, NICKERSON, NE 68044
FUNK,S	FUNK SEEDS INTERNATIONAL	P.O. BOX 2911, BLOOMINGTON, IL 61701
GOLDEN HARVEST	COLUMBIANA SEED CO.	ELDRED, IL 62027
GOLD TAG	FERRY-MORSE SEED CO.	P.O. BOX 24, GEHESEO, IL 61254
GROAGRI	GROAGRI 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 HYBRIDS	P.O. BOX 481, KEOSAUQUA, IA 52565
JACQUES	JACQUES SEED COMPANY	720 ST. CROIX STREET, PRESCOTT, WI 54021
KELTGEN	KELTGEN SEED COMPANY	RT. 1, BOX 20-Z, DONIPHAN, NE 68832
LEWIS	LEWIS SEEDS, INC.	P.O. BOX 38, URSA, IL 62376
LYNKS	LYNKS SEEDS	P.O. BOX 637, MARSHALLTOWN, IA 50158
MC CURDY	MC CURDY SEED COMPANY	MAIN STREET, FREMONT, IA 52561
MCALLISTER	MCALLISTER SEED CO., INC.	P.O. BOX 23, MT. PLEASANT, IA 52641
MFA	MFA INC., SEED DIVISION	201 S. 7TH. ST., COLUMBIA, MO 65201
MIGRO	MIGRO DIVISION OF N.A.P.B.	P.O. BOX 2955, MISSION, KS 66201
NC+	NC+ HYBRIDS	3820 N. 56TH ST., BOX 4408, LINCOLN, NE 68504
NORTHRUP KING	NORTHRUP KING CO.	1452 29TH ST., #214, WEST DES MOINES, IA 50265
O'S GOLD	O'S GOLD SEED CO.	P.O. BOX 460, PARKERSBURG, IA 50665
P-A-G	P-A-G SEEDS	BOX 1207, FREMONT, NE 68025
PAYMASTER	PAYMASTER SEEDS	BOX 307, BELMOND, IA 50421
PIONEER	GARST SEED COMPANY	615 MAIN ST., COON RAPIDS, IA 50058
PIONEER	PIONEER HI-BRED INT., EASTERN DIV.	1000 WEST JEFFERSON ST., TIPTON, IN 46072
PRINCETON	PRINCETON FARMS	P.O. BOX 319, PRINCETON, IN 47670
RING AROUND	RING AROUND PRODUCTS, INC.	P.O. BOX 589, MONTGOMERY, AL 36195
STAUFFER SEEDS	STAUFFER SEEDS	975 DURKIN DRIVE, SPRINGFIELD, IL 62704
STEWART	STEWART HYBRIDS, INC.	RT. 1, PRINCEVILLE, IL 61559
SUPERCROST	EDWARD J. FUNK & SONS, INC.	P.O. BOX 67, KENTLAND, IN 47951
TAYLOR-EVANS	TAYLOR-EVANS SEED CO.	P.O. BOX 68, TULIA, TX 79088
TROJAN	PFIZER GENETICS, INC.	835 N. TAYLOR, GREENVILLE, IL 62246
USS	USS AGRI CHEMICALS	P.O. BOX 1685, ATLANTA, GA 30301
WILSON	WILSON HYBRIDS, INC.	P.O. BOX 391, HARLAN, IA 51537
ZIMMERMAN	ZIMMERMAN HYBRIDS, INC.	5147 W. FRANKLIN RD., EVANSVILLE, IN 47712

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