

Corn

1981 Missouri Crop Performance



Minor • Morris • Burdick • Mason • Sparks

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Table of Contents

Comparing Hybrids.....	3
Experimental Procedures	
Entries.....	4
Field Plot Design.....	4
Plot Management.....	4
Data Recorded.....	4
Map of Test Locations (Figure 1).....	5
Cultural Practices (Table 1).....	6
Rainfall and Temperature (Table 2).....	7
Summary of Results.....	8
Irrigation Charts	
Columbia (Figure 2).....	10
Portageville (Figure 3).....	11
Northern Locations	
Fairfax (Table 3).....	12
Spickard (Table 4).....	14
Novelty (Table 5).....	16
Summary (Table 6).....	18
Central Locations	
Marshall (Table 7).....	20
Columbia (Table 8).....	22
Weldon Spring (Table 9).....	24
Summary (Table 10).....	26
Southeast Locations	
Cape Girardeau (Table 11).....	28
Portageville (Table 12).....	30
Summary (Table 13).....	32
Irrigated Locations	
Columbia (Tables 14 and 15).....	34
Portageville (Tables 16 and 17).....	38
Summary (Table 18).....	42
Summary of Entries and 1981 Test Locations (Table 19).....	44
Seed Corn Company Addresses (Table 20).....	47

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MISSOURI CROP PERFORMANCE

1981

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 about 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 difference (L.S.D.). The L.S.D. is quite simple to apply; when two entries are compared and the difference between them is greater than the L.S.D., the entries are judged to be significantly different. Differences smaller than the L.S.D. may have occurred by chance and are judged to be nonsignificant.

Hybrid performance may seem inconsistent from location to location and from year to year because of differences in rainfall, temperature, soil fertility, diseases, insects, and other factors. To obtain an improved estimate of relative hybrid performance, results from more than one location or year should be considered. In this publication, an effort has been made to facilitate comparisons across years and locations.

In each trial, the "top yielding" hybrids have been identified. These hybrids are those which did not yield significantly less than the highest yielding hybrids 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 1981 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 forty 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 180 corn hybrids were tested in 1981.

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.

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.

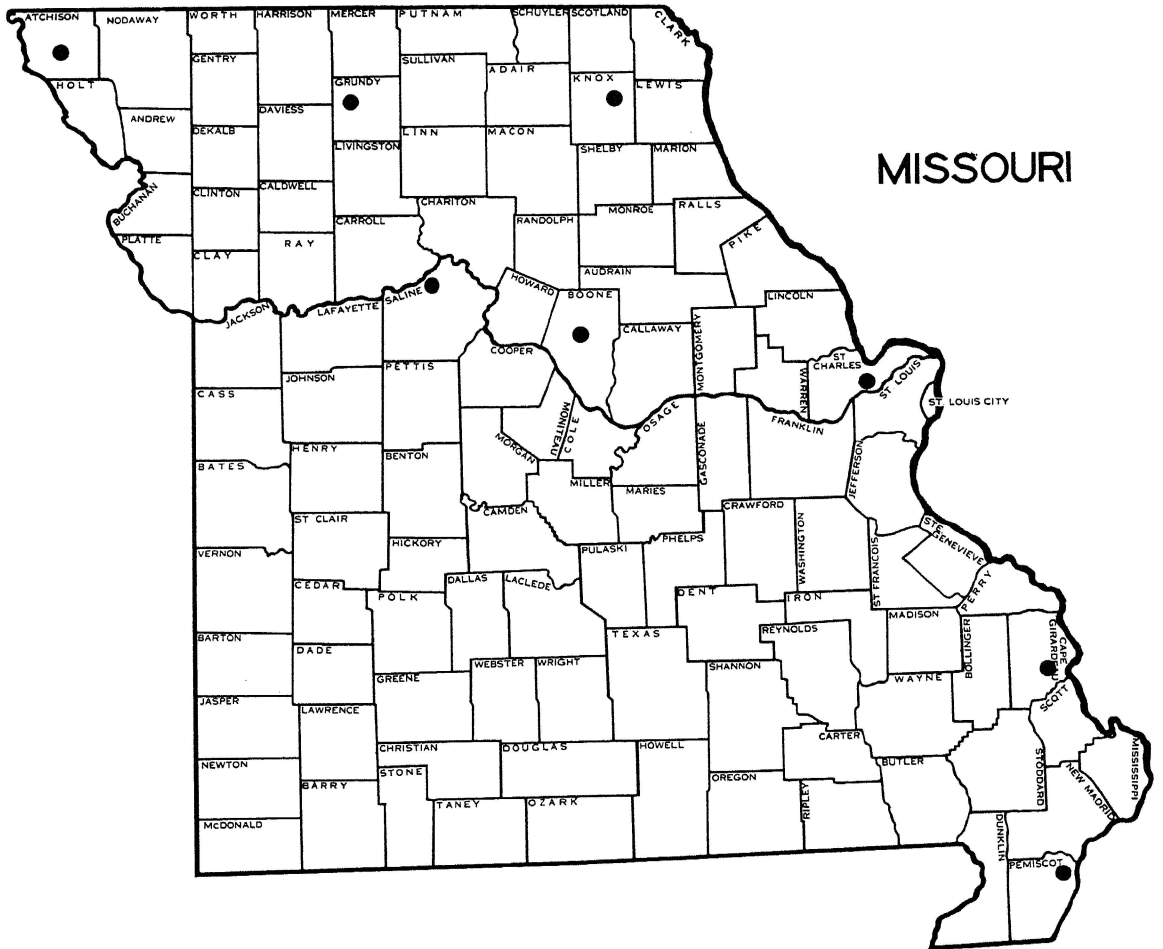


FIG. 1. TEST SITE LOCATIONS.

TABLE 1. MANAGEMENT AND CULTURAL PRACTICES OF THE 1981 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	145- 0- 0	DUAL + ATRAZINE	LORSBAN	30	23,000	5-05-81	10-08-81
SPICKARD (GRUNDY)	LARKIN LANGFORD	160-50-50	LASSO + BLADEX	AMAZE	30	23,000	4-24-81	10-01-81
NOVELTY (KNOX)	RANDALL SMOOT	160-90-180	LASSO + ATRAZINE	AMAZE	30	23,000	5-01-81	9-30-81
MARSHALL (SALINE)	FRANK SWISHER	150- 0- 0	DUAL + BLADEX	AMAZE	30	23,000	4-27-81	9-24-81
COLUMBIA (BOONE)	JOHN POEHLMANN	230-170-100	LASSO + BLADEX	LORSBAN	30	23,000	4-07-81	9-17-81
WELDON SPRING (ST. CHARLES)	STEVE LIVINGSTON	160- 0- 0	DUAL + BLADEX	LORSBAN	30	23,000	4-17-81	9-22-81
CAPE GIRARDEAU (CAPE GIRARDEAU)	LORBERG BROTHERS	150-50-50	SUTAN + ATRAZINE	LORSBAN	30	23,000	4-01-81	9-04-81
PORTAGEVILLE (PEMISCOT)	CHARLES CROMWELL	150-27-77	LASSO + ATRAZINE	LORSBAN	38	23,000	4-02-81	9-09-81
COLUMBIA IRRIGATED	JOHN POEHLMANN	260-345-355	LASSO + BLADEX	LORSBAN	30	29,000	4-07-81	9-18-81
PORTAGEVILLE IRRIGATED	CHARLES CROMWELL	150-27-77	LASSO + ATRAZINE	LORSBAN	38	29,000	4-02-81	9-10-81

1 INCLUDES EXPERIMENT STATION MANAGERS.

TABLE 2. RAINFALL AND TEMPERATURE DURING 1981.

LOCATION	MONTH	RAINFALL			TEMPERATURE		
		INCHES	DEPART. FROM NORMAL	RAINY DAYS	° F	DEPART. FROM NORMAL	90° OR ABOVE
FAIRFAX *	MAY	4.2	-0.7	7	59.5	-2.7	0
	JUNE	3.0	-0.3	4	71.5	+0.5	8
	JULY	8.7	+4.7	11	75.8	+0.1	9
	AUGUST	--	--	--	--	--	--
SPICKARD	MAY	6.0	+1.7	10	59.3	-5.0	0
	JUNE	5.1	-0.3	8	72.8	0.0	3
	JULY	11.9	+7.9	11	75.8	-1.2	6
	AUGUST	--	--	--	--	--	--
NOVELTY *	MAY	8.3	+4.3	13	56.6	-6.5	0
	JUNE	11.4	+6.4	8	69.8	-1.8	1
	JULY	8.2	+4.0	10	73.1	-2.9	4
	AUGUST	3.2	-0.4	5	69.2	-5.2	1
MARSHALL *	MAY	7.5	+3.1	11	61.0	-4.5	0
	JUNE	8.9	+3.1	12	75.5	+1.1	6
	JULY	6.3	+1.9	9	78.8	-0.3	12
	AUGUST	--	--	--	--	--	--
COLUMBIA	MAY	7.7	+3.0	10	59.1	-5.3	0
	JUNE	8.0	+3.4	10	74.4	+1.4	4
	JULY	12.1	+8.3	10	78.1	+0.8	10
	AUGUST	4.5	+1.3	8	73.1	-2.9	3
WELDON SPRING *	MAY	7.6	+3.4	11	60.9	-5.3	0
	JUNE	4.8	+0.8	8	75.7	+0.7	9
	JULY	9.9	+5.8	10	79.1	+0.3	16
	AUGUST	3.2	+0.4	5	--	--	--
CAPE GIRARDEAU	MAY	9.7	+4.7	12	62.8	--	0
	JUNE	5.3	+1.6	8	77.0	--	8
	JULY	5.6	+2.6	12	79.6	--	12
	AUGUST	--	--	--	--	--	--
PORTAGEVILLE	MAY	5.7	+1.2	7	64.8	-4.8	0
	JUNE	5.2	+1.5	10	78.1	+0.8	13
	JULY	4.8	+1.4	9	80.3	+0.1	18
	AUGUST	1.5	-1.3	2	76.7	-2.3	9

-- DATA NOT AVAILABLE.

* FAIRFAX(MARYVILLE DATA), NOVELTY(KIRKSVILLE DATA), MARSHALL(LEX-
INGTON 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 1981 (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 April was dry throughout the area, rainfall was well above normal for the remainder of the season (Table 2, Page 7). As a result, high yields were achieved in non-irrigated tests and response to supplemental water in irrigated tests was minimal.

Hybrid Corn Yield Summary

Location	Number of Entries	Irrigated	Yield(Bushels/Acre)		Data Table
			Range	Average	
Fairfax	137	no	66-156	115	3
Spickard	137	no	114-199	155	4
Novelty	137	no	110-190	159	5
Marshall	121	no	73-149	113	7
Columbia	121	no	92-159	125	8
Weldon Spring	121	no	62-142	98	9
Cape Girardeau	97	no	115-202	158	11
Portageville	97	no	67-124	96	12
Columbia	81	yes	77-151	119	14
Portageville	81	yes	83-140	109	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 and Weldon Spring, where lodging was caused by high winds. Hybrids which consistently show above average lodging should be avoided.

Figure 2. Precipitation pattern and irrigation schedule for 1981.

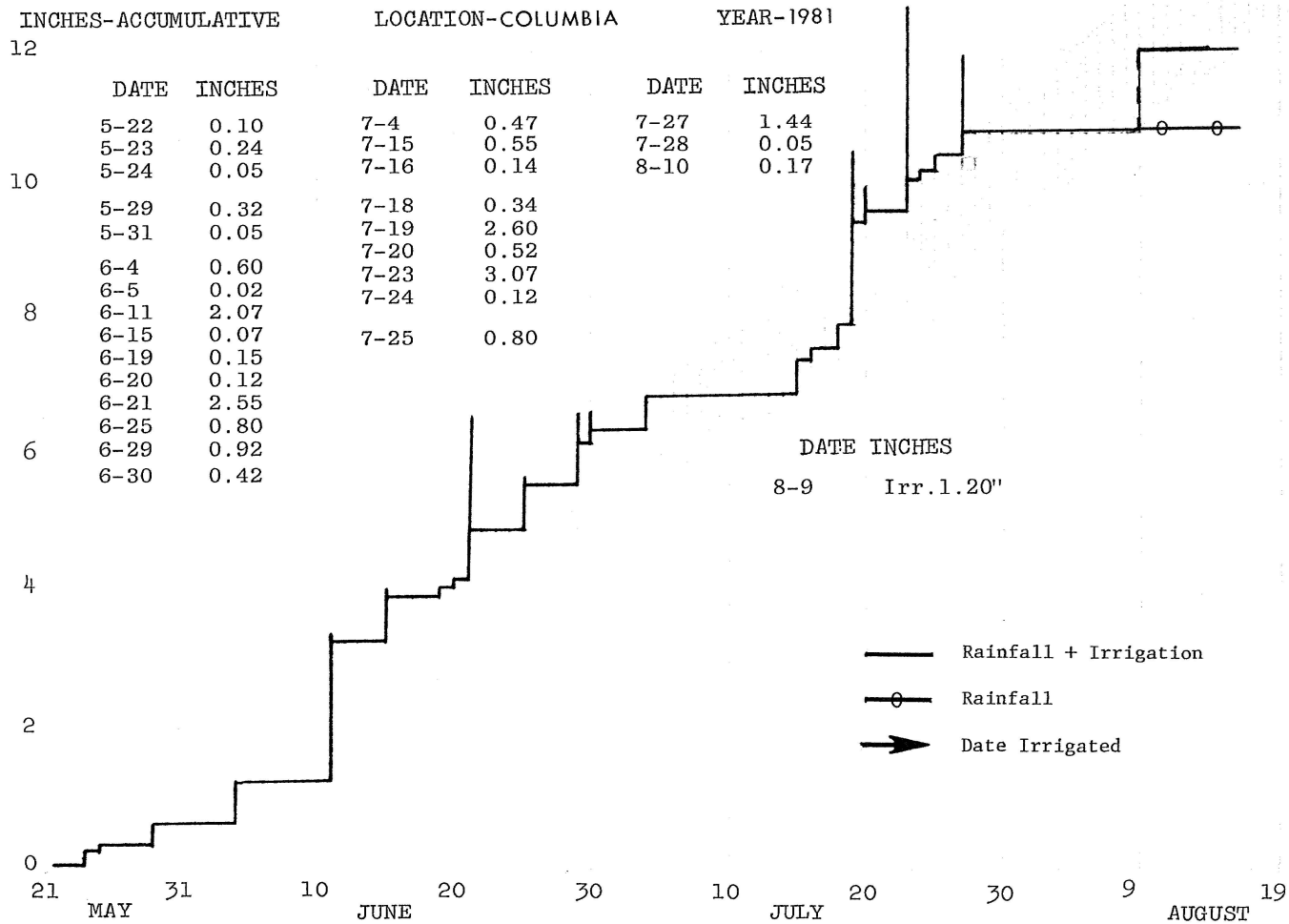


Figure 3. Precipitation pattern and irrigation schedule for 1981.

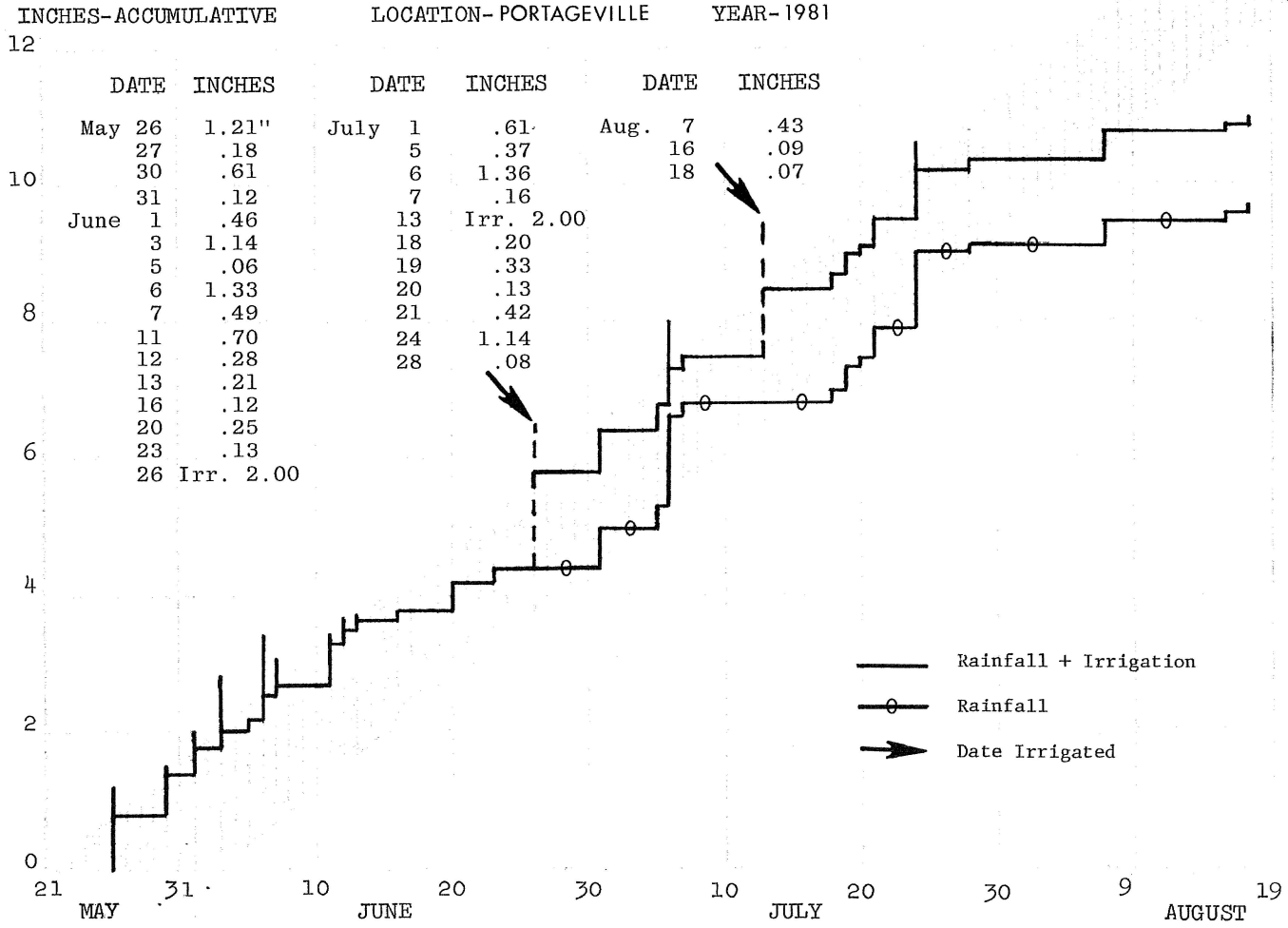


TABLE 3. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR FAIRFAX ON THE SEYMOUR BROTHERS FARM
 IN 1979-81.
 PLANTED: 5 MAY 1981. HARVESTED: 8 OCTOBER 1981. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1981	1980	1979	1981	1980	1979
MATURITY GROUP 1								
RING AROUND RA 1604(SX)	17000	22.9	5.7	--	--	139.1*	--	--
O'S GOLD EXP 25701(SX)	20600	21.2	6.0	--	--	135.6*	--	--
MASTER CHOICE MC 600(SX)	16400	22.6	6.3	--	--	135.4*	--	--
CALLISON CB68(SX)	18500	20.4	1.9	3.6	10.0	132.7	112.2	151.3
AMERICANA 3200(SX)	18600	20.3	1.7	7.9	--	132.3	93.5	--
O'S GOLD 3344(SX)	14500	19.5	23.2	7.0	16.7	130.1	106.5	126.9
AMERICANA 3100(SX)	16800	19.9	0.0	--	--	129.8	--	--
VORIS V2532(SX)	18900	20.5	1.7	4.0	--	127.6	136.5*	--
STAUFFER SEEDS 7759(SX)	19800	20.6	1.5	--	--	126.7	--	--
SUPER CROST 81061(SX)	21500	20.8	6.5	--	--	124.1	--	--
RING AROUND RA 1502(SX)	20200	22.1	2.5	5.4	7.1	124.1	120.9*	167.7*
USS 1010(SX)	17900	19.8	3.4	5.0	12.3	123.6	111.9	147.7
KELTGEN KS114(SX)	17900	20.1	3.3	--	--	123.0	--	--
NORTHROP KING PX74(SX)	17000	20.3	5.7	3.1	9.4	122.4	104.6	152.4
KELTGEN KS112(SX)	18900	19.7	3.1	--	--	122.2	--	--
DEKALB XL73(SX)	21700	22.5	1.7	--	--	121.7	--	--
KELTGEN KS117B(SX)	21900	19.8	2.8	5.4	29.2	120.7	110.9	123.9
FUNK'S G-4520(SX)	15900	21.0	4.7	6.7	12.1	119.1	88.9	145.1
STAUFFER SEEDS 7757(SX)	18000	20.0	1.5	3.6	--	117.9	100.6	--
GOLDEN HARVEST H2500(SX)##	18500	19.6	3.1	3.8	13.0	116.1	104.3	138.6
TAYLOR-EVANS T-E 6995(SX)	17300	19.7	0.0	5.1	6.6	115.0	119.8*	150.0
FONTANELLE 580(SX)	18200	21.6	3.5	5.1	4.8	114.0	117.6*	147.1
CARGILL 921(SX)	20800	19.5	6.4	4.4	11.0	113.8	106.6	125.0
DEKALB XL67(SX)	19400	19.6	2.2	--	--	113.3	--	--
NC+ 4710(SX)	16600	19.1	0.6	--	--	113.2	--	--
FUNKS G-4507(SX)##	19100	19.5	4.2	7.4	9.3	111.2	113.8	152.1
FONTANELLE 590(SX)	18600	19.9	10.9	4.5	5.9	110.4	97.3	143.7
STAUFFER SEEDS 37S(SX)	17100	20.1	4.8	4.3	12.6	110.3	106.2	143.4
FUNK'S G-4522(MSX)	17000	22.0	2.5	--	--	109.6	--	--
CARGILL 934(SX)	17900	19.7	1.4	4.1	20.2	109.5	94.9	143.7
O'S GOLD 5500A(SX)	18500	19.9	3.8	2.2	--	109.4	98.8	--
KELTGEN KS115(SX)	22200	20.7	2.2	4.8	4.2	109.1	97.9	169.1*
CARGILL 924(SX)	16000	19.0	2.9	2.4	6.6	108.3	104.6	128.1
MFA 5104(SX)	18000	20.0	8.9	2.5	19.0	105.8	87.4	128.4
MASTER CHOICE MC 630(SX)	21900	20.3	0.6	--	--	105.0	--	--
DEKALB XL72C(SX)	20000	21.1	0.0	--	--	104.6	--	--
SUPER CROST 5440(SX)	18100	21.0	2.7	4.1	7.0	104.1	91.8	142.3
BURRUS BX20(SX)	19900	22.3	3.7	3.2	11.4	102.8	123.5*	136.9
AMERICANA 3120(SX)	18600	21.5	1.9	--	--	102.6	--	--
O'S GOLD 6882(SX)	16300	18.9	1.3	--	--	101.9	--	--
USS 0525(SX)	18900	18.1	1.1	--	--	101.6	--	--
FUNK'S G-4583(SX)	20300	19.4	3.5	--	7.7	99.3	--	128.9
RING AROUND RA 1504(SX)	20600	20.3	3.7	2.8	--	98.8	102.8	--
GROWERS GSA 2020 (SX)	18600	18.1	0.0	--	--	98.1	--	--
FONTANELLE 611(SX)	19700	20.7	7.2	4.8	15.8	98.1	108.1	127.8
GOLD TAG 3006(SX)	17600	19.4	2.7	3.6	--	96.1	101.3	--
DEKALB XL72AA(SX)##	20000	20.3	3.5	2.7	6.3	92.7	101.4	154.0
PAG SX 397(SX)	19400	19.1	7.1	4.9	--	91.5	84.4	--
SUPER CROST 4337(SX)	16000	19.2	1.9	--	--	88.6	--	--
NORTHROP KING PX9573(SPX)	19400	19.8	7.4	--	--	81.4	--	--
MATURITY GROUP 2								
PIONEER 3186(SX)	16600	21.4	1.6	--	--	143.2*	--	--
STAUFFER SEEDS 802(SX)	18300	23.0	2.5	--	11.4	141.6*	--	139.3
MCCURDY 7676(SX)	18500	20.6	2.6	--	--	141.0*	--	--
PIONEER 3323(SX)	20800	21.6	0.5	--	--	140.0*	--	--
MFA 6707(SX)	18900	21.6	0.7	6.6	--	139.0*	119.1*	--
MCCURDY 844A(SX)	20200	21.9	1.5	4.9	13.6	136.9*	114.9*	159.8*
LEWIS X81B	19100	23.4	3.0	4.2	18.9	136.0*	134.8*	146.4
LYNKS LX 4355(SX)	18600	19.5	0.0	--	--	135.4*	--	--
MFA 6708(SX)	15900	19.8	3.0	--	--	134.0	--	--
ACCO PAYMASTER UC 7601(SX)	18500	21.4	2.7	3.4	8.8	131.5	99.3	118.8
WILSON 1800(SX)	20500	21.8	3.7	3.6	--	130.2	132.1*	--
ACCO PAYMASTER UC 7251(SX)	21000	20.2	16.8	--	--	129.6	--	--
CARGILL 967(SX)	18800	21.6	2.5	5.5	10.1	129.3	116.6*	148.2
ASGROW RX90(SX)	16300	19.8	0.7	--	10.1	126.4	--	139.4
WILSON 1800A(SX)	22200	22.0	2.2	6.1	6.5	126.2	94.3	158.4*
PIONEER 3183(SX)##	20400	23.3	1.3	2.1	29.8	126.2	139.8**	155.2
LEWIS X52B(SX)	18800	20.6	3.0	--	--	125.3	--	--
PREMIUM EK9920(SX)	17400	22.4	3.8	2.7	--	123.5	120.6*	--
ASGROW RX777(SX)	19900	22.0	4.9	3.6	--	122.9	106.3	--
DEKALB XL74B(SX)	17000	21.2	31.7	--	--	122.4	--	--
AMERICANA 4640(SX)	18000	21.3	0.0	2.3	--	122.1	116.2*	--
MOEWS 5450(SX)	18900	22.2	5.7	--	--	121.5	--	--
NC+ 8331(SX)	19400	23.7	6.4	5.2	--	120.9	83.7	--
GOLD TAG 4022(SX)	17500	22.4	7.2	--	--	120.8	--	--
GOLDEN HARVEST H2680(SX)	20800	23.8	1.1	9.7	--	120.5	115.5*	--
LYNKS LX 4500(SX)	18000	20.8	4.8	2.1	10.5	119.1	120.0*	149.1
HAPPEL MS-80(SX)	20900	21.7	4.3	10.9	9.5	119.0	76.9	143.7
STAUFFER SEEDS 7795(SX)	18300	19.7	10.1	4.0	14.5	118.3	122.7*	155.7

TABLE 3. CONTINUED.

BRAND-HYBRID	PLANTS		LODGING			YIELD		
	(#/ACRE)	MOIST (%)	(%)			(BU/ACRE)		
	1981	1981	1981	1980	1979	1981	1980	1979
ACCO PAYMASTER UC 8201(SX)	18500	19.4	9.0	1.7	11.5	117.2	107.7	135.6
HAFPEL 3361A(3X)	20400	20.1	9.1	7.8	14.3	116.8	74.8	143.8
MOEWS 723(SX)	18900	22.3	8.5	--	--	116.7	--	--
PIONEER 3090(DX)	20500	21.7	2.4	--	46.2	116.7	--	125.4
VORIS V2601(SX)	16600	20.1	5.3	1.8	--	116.0	83.2	--
SUPER CROST 7600(SX)	18500	22.1	3.9	12.0	--	114.4	80.3	--
TAYLOR-EVANS T-E 6995-A(SX)	18700	20.1	12.6	4.3	--	113.9	96.1	--
O'S GOLD 5291(SX)	19300	22.8	7.2	--	--	113.3	--	--
MCALLISTER SX7300B(SX)	18300	21.5	2.2	--	31.4	112.4	--	112.2
FUNK'S G-4673(SPX)	20200	21.5	3.5	3.0	--	112.3	123.7*	--
STAUFFER SEEDS SUPER 14(SX)	17900	22.6	2.6	--	35.3	111.6	--	104.4
DEKALB XL70(SX)	20300	21.0	2.3	--	--	111.5	--	--
ASGROW RX858(SX)	20400	20.2	2.3	--	--	111.2	--	--
BURRUS BX31(SX)	21900	22.8	0.5	--	--	110.6	--	--
FEDERAL FX39	20900	19.7	4.5	7.1	8.5	110.5	78.7	134.7
MCALLISTER SX6837(SX)	18100	20.1	7.9	--	--	109.6	--	--
NC+ 59(SX)##	18900	19.9	2.1	3.2	8.8	109.4	114.8	167.1*
CALLISON CB89(SX)	16900	21.9	5.9	5.8	7.3	103.7	128.3*	153.5
CARGILL 949(SX)	19300	19.6	3.9	6.4	6.0	108.1	100.1	143.1
AMERICANA 4100(SX)	20400	22.5	1.2	--	--	107.8	--	--
IOWA-MISSOURI SX 39(SX)	16600	20.7	3.9	--	--	107.7	--	--
SUPER CROST 80052(SX)	19700	21.6	1.8	14.1	--	107.3	86.6	--
STAUFFER SEEDS 114+(SX)	17500	22.2	3.5	--	14.5	107.1	--	140.3
DEKALB XL372(3X)##	20600	19.3	5.5	1.7	17.6	107.0	93.8	101.2
MFA 5802(SX)##	15800	19.3	3.0	5.2	4.6	106.9	119.2*	140.9
PAG SX 98(SX)##	18900	21.5	8.4	3.4	35.4	105.5	111.7	105.5
LEWIS X58B	18800	20.1	3.8	--	--	105.0	--	--
MIGRO HP-470(SX)	20500	19.2	0.0	--	--	104.8	--	--
MCCURDY 84(SX)	17600	19.8	3.8	2.9	12.6	103.6	113.1	170.4*
LEWIS X74B(SX)	19400	23.0	1.3	1.5	--	103.0	96.2	--
LYNKS LX 4315(SX)	18700	19.3	1.2	7.2	--	102.8	87.4	--
TROJAN TXS115A(SX)	16000	20.0	1.9	2.9	4.4	101.2	115.1*	138.3
PREMIUM EK8865(SPX)	15200	22.2	9.0	--	--	101.1	--	--
MIGRO HP-44(SX)	18200	20.9	4.0	2.7	8.5	98.8	126.3*	151.5
WILSON 1900(SX)	18000	20.6	3.6	--	--	97.7	--	--
DEKALB XL81(SX)##	19300	22.6	2.5	7.6	12.3	95.1	97.4	131.4
MFA 5903(SPX)##	20800	19.3	4.5	4.1	19.4	94.1	99.7	145.7
DEKALB XL72B(SX)##	21100	22.4	2.2	1.7	12.1	91.5	104.4	116.8
MOEWS 3620(SX)	19600	21.8	1.1	--	--	89.0	--	--
LEWIS X53B(SX)	17400	17.8	1.8	3.0	--	88.2	110.7	--
US-13(DX)	20000	19.3	58.8	12.7	52.8	76.9	94.4	85.1
TROJAN T1100(SX)	20400	18.3	0.0	--	--	66.1	--	--
MATURITY GROUP 3								
USS 2020(SX)	20000	23.2	4.8	--	--	156.3**	--	--
AMERICANA 4808(SX)	21200	23.7	1.8	--	--	149.1*	--	--
STAUFFER SEEDS 818(SX)	17500	23.6	8.6	--	20.8	138.4*	--	160.3*
IOWA-MISSOURI SX 20(SX)	18200	22.2	5.1	--	--	134.9	--	--
MIGRO HP-87(SX)	17500	23.2	4.4	2.2	--	128.9	126.8*	--
MCALLISTER SX7918(SX)	19800	23.2	0.0	2.6	--	128.2	122.4*	--
NORTHRUP KING PX87(SX)	18900	22.8	1.3	4.2	12.1	126.9	112.5	170.6*
AMERICANA 4730(SX)	19300	21.8	6.2	3.0	--	125.9	117.4*	--
MIGRO SPX-77(SX)	19300	23.6	5.0	--	4.3	125.5	--	157.2*
MCCURDY 8150(SX)	18900	21.8	5.7	--	--	122.7	--	--
PAG SX 351(SX)	17400	20.7	5.8	6.1	--	121.7	121.1*	--
PAG SX 373(SX)	21900	21.7	1.6	7.9	20.8	120.4	114.8	130.6
MIGRO M-0707(SX)	20200	22.3	5.1	7.1	13.0	119.1	103.2	165.1*
ZIMMERMAN Z14W(SX)##	17900	23.6	2.5	--	--	117.9	--	--
PAG SX 333(SX)	18600	20.7	7.8	4.6	4.7	113.8	94.5	167.1*
ZIMMERMAN Z54W(3X)##	19200	26.1	2.5	--	--	89.6	--	--
MATURITY GROUP 4								
NORTHRUP KING PX95(SX)	16600	22.9	24.1	2.9	24.9	123.4	122.9*	155.3
TRIAL AVERAGE								
L.S.D. AT .05	18800	21.0	4.6	4.8	17.7	115.3	104.2	130.7
						21.1	25.0	19.4

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 4. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR SPICKARD ON THE NORTH MISSOURI CENTER
IN 1979-81.
PLANTED: 24 APRIL 1981. HARVESTED: 1 OCTOBER 1981. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1981	1981	1981	1980	1979	1981	1980	1979
MATURITY GROUP 1								
RING AROUND RA 1604(SX)	17400	22.0	5.3	--	--	179.7*	--	--
DEKALB XL73(SX)	17300	20.4	1.2	--	--	176.8*	--	--
STAUFFER SEEDS 7759(SX)	18800	22.1	3.0	--	--	171.0	--	--
RING AROUND RA 1502(SX)	18900	20.4	2.5	5.4	2.7	169.0	23.1	135.5*
MASTER CHOICE MC 600(SX)	16300	22.7	0.7	--	--	165.8	--	--
O'S GOLD EXP 25701(SX)	16400	20.8	1.5	--	--	165.2	--	--
DEKALB XL72AA(SX)##	18300	20.2	6.5	3.8	2.1	164.4	16.2	136.0*
O'S GOLD 6882(SX)	18300	20.3	0.7	--	--	161.0	--	--
BURRUS BX20(SX)	16400	19.3	2.2	34.3	1.9	161.0	24.4	120.1
O'S GOLD 3344(SX)	16000	20.3	4.8	54.2	2.3	160.7	36.0	140.8*
FUNK'S G-4522(MSX)	17000	20.3	2.0	--	--	159.8	--	--
SUPER CROST 81061(SX)	17500	21.3	0.6	--	--	159.8	--	--
FUNK'S G-4520(SX)	17100	21.5	9.3	17.6	1.2	159.4	21.1	124.4
DEKALB XL67(SX)	19300	20.0	6.3	--	--	159.4	--	--
O'S GOLD 5500A(SX)	17100	22.1	4.0	22.2	--	159.2	44.5*	--
FUNKS G-4507(SX)##	18900	20.2	3.4	48.7	2.5	158.4	25.6	118.5
FUNK'S G-4583(CX)	17600	19.8	3.1	--	4.4	158.3	--	126.8
AMERICANA 3200(SX)	16200	20.9	8.3	20.4	--	156.0	20.7	--
CARGILL 921(SX)	15900	17.3	11.1	49.5	2.0	154.7	41.1*	123.2
NORTHROP KING PX74(SX)	17000	20.5	6.8	21.0	0.6	154.5	25.3	115.0
CARGILL 934(SX)	18300	20.7	2.4	26.4	5.3	154.3	24.1	113.2
KELTGEN K5112(SX)	17700	19.6	0.6	--	--	153.8	--	--
USS 1010(SX)	18000	21.0	0.5	26.5	2.1	152.1	24.4	153.4**
TAYLOR-EVANS T-E 6995(SX)	16100	20.6	4.3	17.2	3.1	151.5	21.9	123.4
CALLISON CB68(SX)	14700	21.3	2.2	40.0	1.8	150.5	27.7	126.4
NORTHROP KING PX9573(SPX)	15200	19.8	5.4	--	--	150.2	--	--
KELTGEN K5115(SX)	18400	21.7	4.3	14.5	0.0	149.5	19.1	138.7*
STAUFFER SEEDS 375(SX)	15700	19.1	5.1	48.1	2.8	149.1	31.0	132.0*
FONTANELLE 580(SX)	17000	19.2	2.9	22.2	3.9	146.9	26.9	105.2
KELTGEN K5117B(SX)	17400	21.6	2.7	37.2	3.7	146.0	39.6*	117.5
MASTER CHOICE MC 630(SX)	16400	19.5	2.2	--	--	145.7	--	--
GOLDEN HARVEST H2500(SX)##	17600	21.1	1.8	16.8	2.7	145.5	35.7	113.2
VORIS V2532(SX)	16800	20.1	5.1	14.2	--	144.2	19.2	--
KELTGEN K5114(SX)	18500	22.3	4.3	--	--	143.7	--	--
STAUFFER SEEDS 7757(SX)	16500	18.5	0.6	29.7	--	142.9	33.4	--
SUPER CROST 4337(SX)	16600	22.7	1.3	--	--	141.4	--	--
AMERICANA 3100(SX)	16700	21.3	0.0	--	--	138.9	--	--
SUPER CROST 5440(SX)	15600	20.2	1.8	35.7	5.6	137.1	28.8	128.0
FONTANELLE 590(SX)	15600	19.5	0.6	39.8	2.7	133.0	34.6	105.1
GOLD TAG 3006(SX)	16200	21.5	1.3	11.4	--	131.6	20.7	--
FONTANELLE 611(SX)	16600	21.6	15.4	71.9	2.3	130.1	37.5	132.4*
PAG SX 397(SX)	17800	22.1	5.8	58.2	--	129.9	16.7	--
CARGILL 924(SX)	17300	20.4	1.9	34.9	2.1	129.0	27.4	113.1
NC+ 4710(SX)	16200	22.6	4.2	--	--	127.8	--	--
DEKALB XL72C(SX)	14000	22.8	2.8	--	--	127.3	--	--
AMERICANA 3120(SX)	12600	21.1	4.2	--	--	125.3	--	--
MFA 5104(SX)	15500	18.6	1.5	40.9	3.5	125.0	21.4	103.9
RING AROUND RA 1504(SX)	18200	20.4	3.7	11.7	--	124.5	17.3	--
USS 0525(SX)	17700	17.3	5.7	--	--	119.1	--	--
GROWERS GSA 2020 (SX)	16400	17.8	2.2	--	--	114.1	--	--
MATURITY GROUP 2								
PIONEER 3183(SX)##	15400	20.7	2.0	31.3	9.6	199.2**	36.0	111.9
PIONEER 3090(DX)	18800	21.1	1.2	--	4.8	189.2*	--	117.7
MFA 6708(SX)	18000	21.0	1.9	--	--	186.5*	--	--
PIONEER 3186(SX)	18200	21.2	0.0	--	--	183.6*	--	--
WILSON 1800A(SX)	16400	18.7	2.8	18.0	3.5	182.7*	23.2	128.0
LEWIS X818(SX)	17100	23.2	10.3	35.8	2.5	180.7*	28.9	107.7
CALLISON CB89(SX)	19300	23.2	3.4	32.1	2.3	179.8*	29.5	135.0*
GOLD TAG 4022(SX)	17000	22.1	2.0	--	--	178.0*	--	--
CARGILL 967(SX)	16700	22.5	1.2	15.8	7.5	176.2	31.9	133.7*
MOEWS 725(SX)	17700	22.2	4.6	--	--	174.8	--	--
LEWIS X74B(SX)	17400	23.7	3.2	37.4	--	173.1	38.4	--
GOLDEN HARVEST H2680(SX)	15500	21.8	2.1	19.2	--	172.6	29.5	--
NC+ 59(SX)##	17300	20.7	1.9	16.5	2.8	172.1	16.2	122.8
MOEWS 5450(SX)	17300	22.1	2.0	--	--	171.4	--	--
STAUFFER SEEDS 802(SX)	18000	24.0	3.7	--	2.4	169.9	--	129.6
O'S GOLD 5291(SX)	18200	22.3	1.8	--	--	169.1	--	--
ASGROW RX777(SX)	19800	20.5	2.3	59.1	--	167.6	39.0*	--
MFA 6707(SX)	16200	19.6	4.2	24.1	--	166.5	30.2	--
STAUFFER SEEDS 114+(SX)	16400	22.6	0.0	--	4.6	165.3	--	110.3
MIGRO HP-44(SX)	19100	20.7	6.3	11.9	2.2	164.8	20.4	112.4
FUNK'S G-4673(SPX)	17600	21.7	3.1	68.4	--	164.4	28.2	--
DEKALB XL70(SX)	16800	20.2	2.6	--	--	164.3	--	--
MCCURDY 84AA(SX)	15900	22.5	3.4	19.1	3.4	164.2	33.2	142.4*
LYNKS LX 4355(SX)	17100	19.4	2.0	--	--	163.8	--	--
MOEWS 3620(SX)	16600	19.5	3.4	--	--	163.2	--	--
SUPER CROST 7600(SX)	17600	23.7	1.2	46.4	--	163.2	30.8	--
PAG SX 98(SX)##	16200	21.8	7.5	25.8	2.0	162.3	17.7	131.8*
TROJAN TXS115A(SX)	19700	20.1	2.3	24.7	0.7	161.7	22.9	127.1

TABLE 4. CONTINUED.

BRAND-HYBRID	PLANTS MOIST (#/ACRE) (%)		LODGING (%)			YIELD (BU/ACRE)		
	1981	1981	1981	1980	1979	1981	1980	1979
ACCO PAYMASTER UC 8201(SX)	18300	22.6	10.1	14.8	3.0	161.6	25.4	119.3
NC+ 8331(SX)	17100	23.0	1.4	40.9	--	161.6	20.5	--
AMERICANA 4640(SX)	16800	22.0	3.4	9.3	--	161.0	27.7	--
PREMIUM EK9920(SX)	17000	22.6	2.0	46.8	--	160.3	25.8	--
AMERICANA 4100(SX)	17500	22.5	0.0	--	--	159.9	--	--
PIONEER 3323(SX)	17600	21.2	4.4	--	--	159.9	--	--
LYNKS LX 4500(SX)	16100	21.5	1.4	35.2	0.5	159.4	31.8	133.2*
MCCURDY 7676(SX)	17500	21.9	5.2	--	--	159.1	--	--
MCALLISTER SX7300B(SX)	15600	23.5	3.5	--	0.7	158.5	--	128.4
BURRUS BX31(SX)	15700	23.8	1.3	--	--	158.2	--	--
PREMIUM EK8865(SPX)	17300	21.6	2.3	--	--	158.2	--	--
STAUFFER SEEDS SUPER 14(SX)	16400	24.5	0.7	--	1.9	156.9	--	131.6
MCCURDY 84(SX)	18000	21.1	5.0	37.8	2.5	156.2	19.8	138.5*
IOWA-MISSOURI SX 39(SX)	15700	20.1	6.9	--	--	156.2	--	--
WILSON 1800(SX)	17700	20.6	2.7	28.0	--	154.1	30.2	--
CARGILL 949(SX)	18100	20.1	3.8	18.4	3.5	153.9	27.9	128.8
LEWIS X58B(SX)	15600	20.4	2.2	--	--	151.6	--	--
HAPPEL MS-80(SX)	15100	21.2	1.6	8.2	0.0	151.5	28.8	133.0*
HAPPEL 3361A(SX)	16800	21.4	3.3	26.7	3.2	150.5	13.4	88.0
ASGROW RX90(SX)	16300	21.5	4.8	--	3.9	146.8	--	113.1
TAYLOR-EVANS T-E 6995-A(SX)	15900	20.0	10.9	54.9	--	145.7	30.3	--
VORIS V2601(SX)	16000	20.8	2.1	54.5	--	145.6	31.1	--
ACCO PAYMASTER UC 7251(SX)	19000	21.5	22.1	--	--	145.4	--	--
DEKALB XL72B(SX)##	16700	20.8	5.2	29.9	3.9	145.3	18.6	96.2
WILSON 1900(SX)	16800	21.5	2.7	--	--	144.6	--	--
ACCO PAYMASTER UC 7601(SX)	15700	21.4	2.9	51.7	8.8	144.2	21.9	121.6
MFA 5802(SX)##	14400	21.3	2.4	20.4	3.5	143.7	26.6	113.0
SUPER CROST 80052(SX)	16200	23.4	2.8	71.1	--	141.3	41.8*	--
LEWIS X53B(SX)	16300	19.4	0.0	16.3	--	140.6	30.5	--
MCALLISTER SX6837(SX)	14100	23.1	7.0	--	--	138.9	--	--
MFA 5903(SPX)##	16200	20.2	7.7	34.1	2.0	138.5	26.5	116.9
ASGROW RX858(SX)	16700	21.3	6.3	--	--	138.3	--	--
TROJAN T1100(SX)	15500	20.3	0.8	--	--	137.7	--	--
FEDERAL FX39(SX)	18000	21.4	3.8	34.2	3.1	137.6	32.4	111.8
LEWIS X52B(SX)	14100	21.3	1.5	--	--	137.3	--	--
DEKALB XL81(SX)##	14100	22.6	3.8	58.5	0.0	135.5	43.8*	125.8
DEKALB XL372(SX)##	17500	19.4	0.7	21.7	2.8	134.3	31.0	112.0
STAUFFER SEEDS 7795(SX)	16300	25.0	5.1	34.5	1.9	131.8	24.7	113.4
LYNKS LX 4315(SX)	15200	20.3	3.5	31.3	--	128.9	20.5	--
DEKALB XL74B(SX)	13700	22.6	5.3	--	--	126.0	--	--
MIGRO HP-470(SX)	15100	19.1	1.2	--	--	120.0	--	--
US-13(DX)	16900	19.9	46.9	58.0	10.2	94.1	20.1	83.8
MATURITY GROUP 3								
IOWA-MISSOURI SX 20(SX)	18500	21.1	3.8	--	--	189.6*	--	--
STAUFFER SEEDS 818(SX)	15400	20.9	4.3	--	3.0	183.7*	--	121.4
NORTHROP KING PX87(SX)	18400	23.1	3.8	9.4	5.2	180.3*	30.7	122.1
MCCURDY 8150(SX)	17100	21.2	1.3	--	--	177.2*	--	--
MIGRO SPX-77(SX)	17500	22.9	0.5	--	2.7	176.4*	--	129.3
AMERICANA 4730(SX)	17800	23.0	4.6	50.3	--	172.8	30.7	--
MIGRO HP-87(SX)	17400	22.9	5.9	48.0	--	172.5	21.2	--
MIGRO M-0707(SX)	18700	24.2	5.7	10.4	1.3	170.9	22.3	131.7*
USS 2020(SX)	17500	24.2	2.7	--	--	169.9	--	--
MCALLISTER SX7918(SX)	15900	23.2	2.8	12.5	--	167.8	16.3	--
PAG SX 351(SX)	17800	20.2	0.0	51.8	--	164.1	54.9**	--
AMERICANA 4808(SX)	16700	22.7	3.5	--	--	162.3	--	--
PAG SX 333(SX)	16100	21.3	1.2	45.1	1.2	155.5	39.5*	114.5
PAG SX 373(SX)	15600	22.1	2.2	19.8	5.6	146.5	21.4	128.5
ZIMMERMAN Z54W(SX)##	17600	25.3	1.1	--	--	142.6	--	--
ZIMMERMAN Z14W(SX)##	19000	28.3	1.2	--	--	135.2	--	--
MATURITY GROUP 4								
NORTHROP KING PX95(SX)	18000	24.5	0.6	45.4	5.4	174.7	9.4	121.7
TRIAL AVERAGE								
L.S.D. AT .05	16800	21.3	3.7	32.1	3.1	154.8	29.0	117.8
						22.9	16.5	21.8

-- 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-GROW HYBRID.

WHITE HYBRID.

TABLE 5. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR NOVELTY ON THE GREENLEY MEMORIAL CENTER IN 1979-81.
 PLANTED: 1 MAY 1981. HARVESTED: 30 SEPTEMBER 1981. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1981	1981	1981	1980	1979	1981	1980	1979
MATURITY GROUP 1								
RING AROUND RA 1604(SX)	22600	27.3	3.7	--	--	184.6*	--	--
DEKALB XL73(SX)	21000	27.3	0.5	--	--	182.3*	--	--
FUNK'S G-4520(SX)	17900	23.5	2.0	9.1	52.2	173.2*	38.9	136.3*
O'S GOLD 6852(SX)	21000	24.4	0.0	--	--	173.2*	--	--
USS 1010(SX)	19400	22.3	0.0	12.3	92.9	173.0*	43.3	106.4
O'S GOLD 5500A(SX)	18500	22.2	1.3	11.9	--	170.4*	39.3	--
AMERICANA 3200(SX)	19800	23.7	0.0	19.0	--	169.8*	29.0	--
KELTGEN KS115(SX)	22000	23.5	1.6	13.6	76.2	168.0	30.9	133.3*
STAUFFER SEEDS 7759(SX)	19800	24.2	0.7	--	--	167.0	--	--
MASTER CHOICE MC 630(SX)	20900	22.8	0.4	--	--	165.2	--	--
DEKALB XL72AA(SX)##	17400	22.7	0.8	13.8	80.5	162.8	40.5	143.2*
MASTER CHOICE MC 600(SX)	18500	27.8	2.8	--	--	162.0	--	--
SUPER CROST 5440(SX)	19700	23.4	1.5	5.9	78.7	160.2	35.6	117.3
CARGILL 934(SX)	21000	22.5	0.0	14.2	65.7	158.7	37.5	122.1
DEKALB XL72C(SX)	19800	22.7	2.9	--	--	158.2	--	--
RING AROUND RA 1502(SX)	19900	27.5	1.3	7.1	33.8	157.2	36.0	126.0
BURRUS BX20(SX)	17300	22.2	1.6	9.1	70.2	157.2	38.0	113.9
FONTANELLE 580(SX)	19400	23.6	3.1	7.5	63.4	156.9	34.4	128.8
O'S GOLD EXP 25701(SX)	17100	24.2	1.6	--	--	156.5	--	--
STAUFFER SEEDS 7757(SX)	17500	22.6	0.7	21.8	--	154.7	54.1	--
FONTANELLE 590(SX)	19600	25.0	1.1	16.8	82.6	154.2	52.3	123.6
VORIS V2532(SX)	19400	24.3	1.4	10.0	--	154.1	40.2	--
AMERICANA 3120(SX)	17900	24.5	0.0	--	--	153.7	--	--
NORTHROP KING PX74(SX)	19700	23.2	3.1	7.7	84.8	151.8	40.3	122.4
DEKALB XL67(SX)	21200	25.7	1.2	--	--	151.8	--	--
KELTGEN KS117B(SX)	16600	25.8	2.0	51.2	61.8	151.3	44.9	120.2
FUNKS G-4507(SX)##	19800	22.7	0.0	12.7	94.0	151.2	34.5	134.6*
NC+ 4710(SX)	20800	23.1	1.7	--	--	151.0	--	--
FONTANELLE 611(SX)	17000	23.8	0.6	51.3	92.4	150.9	60.1*	124.3
TAYLOR-EVANS T-E 6995(SX)	18000	22.5	1.3	7.9	52.8	150.6	33.4	129.5
O'S GOLD 3344(SX)	17900	25.0	4.8	43.1	72.0	149.6	60.4*	124.6
CALLISON CB68(SX)	16900	25.8	0.6	17.3	78.4	149.4	40.9	135.3*
AMERICANA 3100(SX)	16900	24.7	0.6	--	--	149.2	--	--
KELTGEN KS112(SX)	22900	24.2	0.9	--	--	148.4	--	--
SUPER CROST 4337(SX)	21900	25.7	0.0	--	--	148.2	--	--
KELTGEN KS114(SX)	18100	22.9	0.6	--	--	147.8	--	--
RING AROUND RA 1504(SX)	18300	25.6	2.9	9.3	--	146.2	22.0	--
FUNK'S G-4522(MSX)	20000	25.8	1.1	--	--	145.8	--	--
CARGILL 921(SX)	19900	24.5	0.6	32.3	82.8	145.6	54.0	133.7*
FUNK'S G-4583(3X)	17700	22.6	0.7	--	83.7	145.3	--	118.7
GOLDEN HARVEST H2500(SX)##	17300	23.9	0.8	11.5	58.9	145.1	38.9	106.3
STAUFFER SEEDS 37S(SX)	20000	25.3	1.7	39.2	40.8	144.2	63.1*	136.8*
CARGILL 924(SX)	20200	24.6	2.3	11.8	26.4	139.3	53.1	136.1*
GOLD TAG 3006(SX)	20400	24.8	0.5	9.7	--	138.6	49.2	--
PAG SX 397(SX)	18200	22.8	1.3	34.1	--	137.9	34.6	--
NORTHROP KING PX9573(SPX)	17100	23.5	0.6	--	--	135.4	--	--
USS 0525(SX)	22200	20.5	1.6	--	--	135.2	--	--
MFA 5104(SX)	15100	24.6	1.5	33.0	58.9	135.1	41.3	114.7
SUPER CROST 81061(SX)	16800	22.8	0.0	--	--	126.4	--	--
GROWERS GSA 2020 (SX)	22700	22.8	2.5	--	--	120.3	--	--
MATURITY GROUP 2								
CARGILL 967(SX)	22600	22.5	2.9	10.3	75.2	190.3**	39.7	133.8*
LYNKS LX 4355(SX)	20800	23.1	0.7	--	--	189.6*	--	--
MFA 6707(SX)	19100	24.2	0.7	19.4	--	188.7*	54.9	--
PIONEER 3183(SX)##	19700	28.2	1.1	9.1	75.9	186.9*	48.9	118.7
AMERICANA 4100(SX)	22900	22.9	0.0	--	--	185.0*	--	--
MIGRO HP-44(SX)	20200	24.6	0.0	16.8	77.6	184.4*	35.3	108.3
PIONEER 3323(SX)	19400	25.4	0.5	--	--	181.1*	--	--
GOLD TAG 4022(SX)	20000	25.8	0.9	--	--	178.9*	--	--
MCCURDY 84AA(SX)	17700	24.8	1.3	9.5	53.5	178.1*	35.8	130.8*
LYNKS LX 4500(SX)	19700	26.5	1.2	12.7	52.6	178.0*	51.1	128.8
MOEWS 725(SX)	18700	23.2	0.6	--	--	176.9*	--	--
HAPPEL M5-80(SX)	20600	24.0	1.1	12.5	47.6	175.7*	37.0	129.0
MFA 5802(SX)##	20200	22.1	1.2	21.1	81.7	175.1*	31.8	118.3
ACCO PAYMASTER UC 8201(SX)	18900	23.9	1.8	23.6	69.4	175.0*	30.8	123.7
CALLISON CB89(SX)	19800	26.3	0.0	7.1	64.3	174.8*	64.1*	137.8*
FUNK'S G-4673(SPX)	19800	24.3	2.6	11.0	--	173.2*	44.8	--
WILSON 1800A(SX)	18800	24.3	2.3	16.4	48.5	172.7*	37.6	119.4
LEWIS X74B(SX)	16400	24.1	0.0	22.4	--	171.7*	61.7*	--
PIONEER 3090(DX)	21000	28.2	1.2	--	72.2	171.1*	--	133.2*
BURRUS BX31(SX)	23300	24.5	1.5	--	--	170.9*	--	--
AMERICANA 4640(SX)	17400	23.6	4.2	5.4	--	170.4*	42.2	--
PREMIUM EK9920(SX)	16500	26.7	2.4	17.5	--	169.7*	49.6	--
VORIS V2601(SX)	18300	22.3	0.5	30.6	--	169.0*	59.4*	--
ASGROH RX858(SX)	17600	22.7	0.5	--	--	168.8*	--	--
MCCURDY 7676(SX)	18100	24.9	1.8	--	--	168.8*	--	--
O'S GOLD 5291(SX)	17300	26.0	0.0	--	--	168.6*	--	--
ACCO PAYMASTER UC 7251(SX)	18300	24.0	2.8	--	--	167.5	--	--
WILSON 1900(SX)	21000	23.8	2.8	--	--	166.3	--	--

TABLE 5. CONTINUED.

BRAND-HYBRID	PLANTS (#/ACRE)		MOIST (%)			LODGING (%)			YIELD (BU/ACRE)		
	1981	1981	1981	1980	1979	1981	1980	1979	1981	1980	1979
MOEWS 3620(SX)	22100	22.1	1.1	--	--	166.3	--	--			
MFA 6708(SX)	20400	23.6	2.3	--	--	165.6	--	--			
DEKALB XL372(3X)##	19800	24.6	0.0	10.7	55.8	164.9	44.3	113.2			
DEKALB XL72B(SX)##	20600	25.7	0.5	9.6	43.1	164.9	46.9	129.6			
MOEWS 5450(SX)	23100	25.6	2.6	--	--	164.9	--	--			
TROJAN T1100(SX)	23300	24.5	0.8	--	--	163.7	--	--			
TROJAN TXS115A(SX)	17100	21.0	1.3	12.4	48.3	163.4	31.3	128.0			
MCALLISTER SX6837(SX)	21600	24.7	2.2	--	--	162.6	--	--			
STAUFFER SEEDS 114+(SX)	20400	25.8	0.5	--	75.2	162.2	--	127.9			
STAUFFER SEEDS SUPER 14(SX)	17400	23.8	1.6	--	48.5	160.0	--	143.0*			
ACCO PAYMASTER UC 7601(SX)	18300	26.0	0.0	8.8	36.1	159.7	59.5*	123.2			
PAG SX 98(SX)##	17500	24.5	3.3	10.3	14.1	159.5	44.8	137.5*			
MIGRO HP-470(SX)	21700	24.0	0.4	--	--	158.9	--	--			
LEWIS X53B(SX)	21500	23.7	3.1	10.7	--	157.5	39.4	--			
ASGROW RX90(SX)	19200	23.8	3.8	--	82.9	156.9	--	111.4			
STAUFFER SEEDS 7795(SX)	20500	26.4	1.7	8.3	60.7	156.5	52.9	109.0			
CARGILL 949(SX)	18300	23.9	3.9	20.2	64.7	155.8	41.5	115.3			
PIONEER 3186(SX)	18200	29.8	0.7	--	--	154.2	--	--			
SUPER CROST 80052(SX)	15900	23.5	0.7	42.2	--	152.6	59.8*	--			
LEWIS X52B(SX)	17700	19.8	1.4	--	--	152.2	--	--			
SUPER CROST 7600(SX)	15400	27.5	0.0	18.9	--	152.1	72.3**	--			
MFA 5903(SPX)##	18000	24.4	1.2	13.8	67.8	151.3	42.3	116.6			
ASGROW RX777(SX)	13100	23.9	4.8	16.5	--	150.7	58.0	--			
WILSON 1800(SX)	14600	22.6	0.9	15.2	--	148.8	30.1	--			
MCCURDY 84(SX)	19700	22.7	0.0	18.5	75.0	147.5	44.7	141.9*			
DEKALB XL81(SX)##	15900	24.8	2.2	17.4	77.1	146.3	59.0*	120.4			
LEWIS X58B(SX)	18200	22.8	1.3	--	--	145.3	--	--			
LEWIS X81B(SX)	16200	27.7	0.6	16.6	61.5	144.9	40.2	128.2			
DEKALB XL74B(SX)	16400	26.2	4.5	--	--	144.8	--	--			
NC+ 8331(SX)	19100	25.8	0.5	10.9	--	143.2	61.1*	--			
STAUFFER SEEDS 802(SX)	15900	24.6	0.8	--	48.6	143.0	--	124.5			
NC+ 59(SX)##	19800	25.9	0.0	11.7	59.9	142.4	39.5	105.8			
MCALLISTER SX7300B(SX)	14500	26.9	2.0	--	63.7	141.1	--	130.1			
HAPPEL 3361A(3X)	18700	23.0	2.0	21.0	38.6	139.3	41.2	128.3			
PREMIUM EK8865(SPX)	21400	26.6	1.2	--	--	138.8	--	--			
TAYLOR-EVANS T-E 6995-A(SX)	17600	24.5	2.8	33.5	--	138.5	33.4	--			
LYNKS LX 4315(SX)	16600	24.6	1.6	5.6	--	138.1	40.5	--			
FEDERAL FX39(SX)	16600	24.8	1.4	12.4	48.8	126.8	35.4	119.7			
DEKALB XL70(SX)	14300	23.5	1.5	--	--	125.0	--	--			
US-13(DX)	18600	25.6	9.7	33.4	77.6	115.8	36.7	94.5			
IOWA-MISSOURI SX 39(SX)	14700	24.4	2.5	--	--	114.1	--	--			
GOLDEN HARVEST H2680(SX)	16800	26.1	1.1	12.9	--	109.7	29.3	--			
MATURITY GROUP 3											
IOWA-MISSOURI SX 20(SX)	18800	25.5	1.9	--	--	188.1*	--	--			
MCALLISTER SX7918(SX)	20800	28.6	0.5	15.4	--	187.7*	33.3	--			
STAUFFER SEEDS 818(SX)	21600	26.8	3.8	--	72.3	182.7*	--	111.7			
AMERICANA 4808(SX)	18300	28.7	2.6	--	--	177.8*	--	--			
PAG SX 373(SX)	19600	28.1	2.6	23.6	57.1	171.1*	36.9	133.1*			
PAG SX 351(SX)	21700	24.5	1.0	25.6	--	169.7*	38.8	--			
MCCURDY 8150(SX)	20500	27.5	2.4	--	--	169.2*	--	--			
NORTHROP KING PX87(SX)	21000	29.2	2.3	17.2	64.6	169.2*	35.3	124.5			
USS 2020(SX)	19100	28.9	1.9	--	--	163.5	--	--			
AMERICANA 4730(SX)	16600	25.3	0.7	19.7	--	163.2	66.2*	--			
MIGRO SPX-77(SX)	18900	26.7	1.6	--	41.9	159.5	--	138.4*			
MIGRO M-0707(SX)	17700	26.0	4.0	8.1	18.2	156.1	39.5	129.6			
PAG SX 333(SX)	17900	22.7	0.6	11.1	56.7	155.1	45.5	132.8*			
MIGRO HP-87(SX)	20000	27.8	0.0	25.6	--	146.6	38.6	--			
ZIMMERMAN Z54W(3X)#	21700	31.5	0.0	--	--	141.3	--	--			
ZIMMERMAN Z14W(SX)#	17000	34.0	0.7	--	--	139.0	--	--			
MATURITY GROUP 4											
NORTHROP KING PX95(SX)	19200	28.8	2.3	40.0	46.4	189.2*	42.3	140.9*			
TRIAL AVERAGE											
L.S.D. AT .05	18900	24.7	1.4	16.3	59.0	158.1	43.3	119.9			
						22.2	13.6	21.4			

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 6. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT THREE NORTH MISSOURI LOCATIONS (FAIRFAX, SPICKARD, AND NOVELTY) IN 1931. PLANTED POPULATION: 23000.

BRAND-HYBRID	LGDGING (%)				YIELD (BU/ACRE)			
	FAIRFAX	SPICKRD	GREENLY	MEAN	FAIRFAX	SPICKRD	GREENLY	MEAN
MATURITY GROUP 1								
RING AROUND RA 1604(SX)	5.7	5.3	3.7	4.9	139.1*	179.7*	184.6*	167.8*
DEKALB XL73(SX)	1.7	1.2	0.5	1.1	121.7	176.8*	182.3*	160.2*
STAUFFER SEEDS 7759(SX)	1.5	3.0	0.7	1.7	126.7	171.0	167.0	154.9
MASTER CHOICE MC 600(SX)	6.3	0.7	2.8	3.2	135.4*	165.8	162.0	154.4
AMERICANA 3200(SX)	1.7	8.3	0.0	3.3	132.3	156.0	169.8*	152.7
O'S GOLD EXP 25701(SX)	6.0	1.5	1.6	3.0	135.6*	165.2	156.5	152.4
FUNK'S G-4520(SX)	4.7	9.3	2.0	5.3	119.1	159.4	173.2*	150.5
RING AROUND RA 1502(SX)	2.5	2.5	1.3	2.1	124.1	169.0	157.2	150.1
USS 1010(SX)	3.4	0.5	0.0	1.3	123.6	152.1	173.0*	149.5
O'S GOLD 3344(SX)	23.2	4.8	4.8	10.9	130.1	160.7	149.6	146.8
O'S GOLD 5500A(SX)	3.8	4.0	1.3	3.0	109.4	159.2	170.4*	146.3
O'S GOLD 6882(SX)	1.3	0.7	0.0	0.6	101.9	161.0	173.2*	145.3
CALLISON CB68(SX)	1.9	2.2	0.6	1.5	132.7	150.5	149.4	144.2
NORTHRUP KING PX74(SX)	5.7	6.8	3.1	5.2	122.4	154.5	151.8	142.9
KELTGEN KS115(SX)	2.2	4.3	1.6	2.7	109.1	149.5	168.0	142.2
VORIS V2532(SX)	1.7	5.1	1.4	2.7	127.6	144.2	154.1	141.9
DEKALB XL67(SX)	2.2	6.3	1.2	3.2	113.3	159.4	151.8	141.5
KELTGEN KS112(SX)	3.1	0.6	0.9	1.5	122.2	153.8	148.4	141.4
CARGILL 934(SX)	1.4	2.4	0.0	1.2	109.5	154.3	158.7	140.8
BURRUS BX20(SX)	3.7	2.2	1.6	2.5	102.8	161.0	157.2	140.3
FUNKS G-4507(SX)##	4.2	3.4	0.0	2.5	111.2	158.4	151.2	140.2
DEKALB XL72AA(SX)##	3.5	6.5	0.8	3.6	92.7	164.4	162.8	139.9
AMERICANA 3100(SX)	0.0	0.0	0.6	0.2	129.8	138.9	149.2	139.3
KELTGEN KS117B(SX)	2.8	2.7	2.0	2.5	120.7	146.0	151.3	139.3
FONTANELLE 580(SX)	3.5	2.9	3.1	3.1	114.0	146.9	156.9	139.2
TAYLOR-EVANS T-E 6995(SX)	0.0	4.3	1.3	1.8	115.0	151.5	150.6	139.0
MASTER CHOICE MC 630(SX)	0.6	2.2	0.4	1.0	105.0	145.7	165.2	138.6
STAUFFER SEEDS 7757(SX)	1.5	0.6	0.7	0.9	117.9	142.9	154.7	138.5
FUNK'S G-4522(MSX)	2.5	2.0	1.1	1.8	109.6	159.8	145.8	138.4
KELTGEN KS114(SX)	3.3	4.3	0.6	2.7	123.0	143.7	147.8	138.1
CARGILL 921(SX)	6.4	11.1	0.6	6.0	113.8	154.7	145.6	138.0
SUPER CROST 81061(SX)	6.5	0.6	0.0	2.3	124.1	159.8	126.4	136.7
GOLDEN HARVEST H2500(SX)##	3.1	1.8	0.8	1.9	116.1	145.5	145.1	135.5
STAUFFER SEEDS 375(SX)	4.8	5.1	1.7	3.8	110.3	149.1	144.2	134.5
FUNK'S G-4583(SX)	3.5	3.1	0.7	2.4	99.3	158.3	145.3	134.3
SUPER CROST 5440(SX)	2.7	1.8	1.5	2.0	104.1	137.1	160.2	133.8
FONTANELLE 590(SX)	10.9	0.6	1.1	4.2	110.4	133.0	154.2	132.5
NC+ 4710(SX)	0.6	4.2	1.7	2.1	113.2	127.8	151.0	130.6
DEKALB XL72C(SX)	0.0	2.8	2.9	1.9	104.6	127.3	158.2	130.0
AMERICANA 3120(SX)	1.9	4.2	0.0	2.0	102.6	125.3	153.7	127.2
FONTANELLE 611(SX)	7.2	15.4	0.6	7.7	98.1	130.1	150.9	126.3
SUPER CROST 4337(SX)	1.9	1.3	0.0	1.0	88.6	141.4	148.2	126.0
CARGILL 924(SX)	2.9	1.9	2.3	2.3	108.3	129.0	139.3	125.5
RING AROUND RA 1504(SX)	3.7	3.7	2.9	3.4	98.8	124.5	146.2	123.1
NORTHRUP KING PX9573(SPX)	7.4	5.4	0.6	4.4	81.4	150.2	135.4	122.3
GOLD TAG 3006(SX)	2.7	1.3	0.5	1.5	96.1	131.6	138.6	122.1
MFA 5104(SX)	8.9	1.5	1.5	3.9	105.8	125.0	135.1	121.9
PAG SX 397(SX)	7.1	5.8	1.3	4.7	91.5	129.9	137.9	119.7
USS 0525(SX)	1.1	5.7	1.6	2.8	101.6	119.1	135.2	118.6
GROWERS GSA 2020 (SX)	0.0	2.2	2.5	1.5	98.1	114.1	120.3	110.8
MATURITY GROUP 2								
PIONEER 3183(SX)##	1.3	2.0	1.1	1.4	126.2	199.2**	186.9*	170.7*
CARGILL 967(SX)	2.5	1.2	2.9	2.2	129.3	176.2	190.3**	165.2*
MFA 6707(SX)	0.7	4.2	0.7	1.8	139.0*	166.5	188.7*	164.7*
LYNKS LX 4355(SX)	0.0	2.0	0.7	0.9	135.4*	163.8	189.6*	162.9*
MFA 6708(SX)	3.0	1.9	2.3	2.4	134.0	186.5*	165.6	162.0*
WILSON 1800A(SX)	2.2	2.8	2.3	2.4	126.2	182.7*	172.7*	160.5*
PIONEER 3323(SX)	0.5	4.4	0.5	1.8	140.0*	159.9	181.1*	160.3*
PIONEER 3186(SX)	1.6	0.0	0.7	0.7	143.2*	183.6*	154.2	160.3*
MCCURDY 84AA(SX)	1.5	3.4	1.3	2.0	136.9*	164.2	178.1*	159.7*
GOLD TAG 4022(SX)	7.2	2.0	0.9	3.3	120.8	178.0*	178.9*	159.2*
PIONEER 3090(DX)	2.4	1.2	1.2	1.6	116.7	189.2*	171.1*	159.0*
MCCURDY 7676(SX)	2.6	5.2	1.8	3.2	141.0*	159.1	168.8*	156.3*
MOEWS 725(SX)	8.5	4.6	0.6	4.5	116.7	174.8	176.9*	156.1*
CALLISON CB89(SX)	5.9	3.4	0.0	3.1	108.7	179.8*	174.8*	154.4
LEWIS X81B	3.0	10.3	0.6	4.6	136.0*	180.7*	144.9	153.8
MOEWS 5450(SX)	5.7	2.0	2.6	3.4	121.5	171.4	164.9	152.6
LYNKS LX 4500(SX)	4.8	1.4	1.2	2.4	119.1	159.4	178.0*	152.1
STAUFFER SEEDS 802(SX)	2.5	3.7	0.8	2.3	141.6*	169.9	143.0	151.5
ACCO PAYMASTER UC 8201(SX)	9.0	10.1	1.8	6.9	117.2	161.6	175.0*	151.2
AMERICANA 4640(SX)	0.0	3.4	4.2	2.5	122.1	161.0	170.4*	151.1
PREMIUM EK9920(SX)	3.8	2.0	2.4	2.7	123.5	160.3	169.7*	151.1
AMERICANA 4100(SX)	1.2	0.0	0.0	0.4	107.8	159.9	185.0*	150.9
O'S GOLD 5291(SX)	7.2	1.8	0.0	3.0	113.3	169.1	168.6*	150.3
FUNK'S G-4673(SPX)	3.5	3.1	2.6	3.0	112.3	164.4	173.2*	149.9
MIGRO HP-44(SX)	4.0	6.3	0.0	3.4	98.8	164.8	184.4*	149.3
LEWIS X74B(SX)	1.3	3.2	0.0	1.5	103.0	173.1	171.7*	149.2
HAPPEL MS-80(SX)	4.3	1.6	1.1	2.3	119.0	151.5	175.7*	148.7
ACCO PAYMASTER UC 7251(SX)	16.8	22.1	2.8	13.9	129.6	145.4	167.5	147.5

TABLE 6. CONTINUED.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	FAIRFAX	SPICKRD	GREENLY	MEAN	FAIRFAX	SPICKRD	GREENLY	MEAN
ASGROW RX777(SX)	4.9	2.3	4.8	4.0	122.9	167.6	150.7	147.0
BURRUS BX31(SX)	0.5	1.3	1.5	1.1	110.6	158.2	170.9*	146.5
ACCO PAYMASTER UC 7601(SX)	2.7	2.9	0.0	1.8	131.5	144.2	159.7	145.1
STAUFFER SEEDS 114+(SX)	3.5	0.0	0.5	1.3	107.1	165.3	162.2	144.8
WILSON 1800(SX)	3.7	2.7	0.9	2.4	130.2	154.1	148.8	144.3
VORIS V2601(SX)	5.3	2.1	0.5	2.6	116.0	145.6	169.0*	143.5
ASGROW RX90(SX)	0.7	4.8	3.8	3.1	126.4	146.8	156.9	143.3
SUPER CROST 7600(SX)	3.9	1.2	0.0	1.7	114.4	163.2	152.1	143.2
STAUFFER SEEDS SUPER 14(SX)	2.6	0.7	1.6	1.6	111.6	156.9	160.0	142.8
PAG SX 98(SX)##	8.4	7.5	3.3	6.4	105.5	162.3	159.5	142.4
TROJAN TXS115A(SX)	1.9	2.3	1.3	1.8	101.2	161.7	163.4	142.1
MFA 5802(SX)##	3.0	2.4	1.2	2.2	106.9	143.7	175.1*	141.9
NC+ 8331(SX)	6.4	1.4	0.5	2.7	120.9	161.6	143.2	141.9
NC+ 59(SX)##	2.1	1.9	0.0	1.3	109.4	172.1	142.4	141.3
MOEWS 3620(SX)	1.1	3.4	1.1	1.8	89.0	163.2	166.3	139.5
ASGROW RX858(SX)	2.3	6.3	0.5	3.0	111.2	138.3	168.8*	139.4
CARGILL 949(SX)	3.9	3.8	3.9	3.8	108.1	153.9	155.8	139.2
LEWIS X52B(SX)	3.0	1.5	1.4	1.9	125.3	137.3	152.2	138.2
MCALLISTER SX7300B(SX)	2.2	3.5	2.0	2.5	112.4	158.5	141.1	137.3
MCALLISTER SX6837(SX)	7.9	7.0	2.2	5.7	109.6	138.9	162.6	137.0
WILSON 1900(SX)	3.6	2.7	2.8	3.0	97.7	144.6	166.3	136.2
MCCURDY 84(SX)	3.8	5.0	0.0	2.9	103.6	156.2	147.5	135.7
STAUFFER SEEDS 7795(SX)	10.1	5.1	1.7	5.6	118.3	131.8	156.5	135.5
HAPPEL 3361A(3X)	9.1	3.3	2.0	4.8	116.8	150.5	139.3	135.5
DEKALB XL372(3X)##	5.5	0.7	0.0	2.0	107.0	134.3	164.9	135.4
GOLDEN HARVEST H2680(SX)	1.1	2.1	1.1	1.4	120.5	172.6	109.7	134.2
DEKALB XL72B(SX)##	2.2	5.2	0.5	2.6	91.5	145.3	164.9	133.9
LEWIS X58B	3.8	2.2	1.3	2.4	105.0	151.6	145.3	133.9
SUPER CROST 80052(SX)	1.8	2.8	0.7	1.7	107.3	141.3	152.6	133.7
DEKALB XL70(SX)	2.3	2.6	1.5	2.1	111.5	164.3	125.0	133.6
TAYLOR-EVANS T-E 6995-A(SX)	12.6	10.9	2.8	8.7	113.9	145.7	138.5	132.7
PREMIUM EK8865(SPX)	9.0	2.3	1.2	4.1	101.1	158.2	138.8	132.7
DEKALB XL74B(SX)	31.7	5.3	4.5	13.8	122.4	126.0	144.8	131.0
LEWIS X53B(SX)	1.8	0.0	3.1	1.6	88.2	140.6	157.5	128.7
MIGRO HP-470(SX)	0.0	1.2	0.4	0.5	104.8	120.0	158.9	127.9
MFA 5903(SPX)##	4.5	7.7	1.2	4.4	94.1	138.5	151.3	127.9
IOWA-MISSOURI SX 39(SX)	3.9	6.9	2.5	4.4	107.7	156.2	114.1	126.0
DEKALB XL81(SX)##	2.5	3.8	2.2	2.8	95.1	135.5	146.3	125.6
FEDERAL FX39	4.5	3.8	1.4	3.2	110.5	137.6	126.8	124.9
LYNKS LX 4315(SX)	1.2	3.5	1.6	2.1	102.8	128.9	138.1	123.2
TROJAN T1100(SX)	0.0	0.8	0.8	0.5	66.1	137.7	163.7	122.5
US-13(DX)	58.8	46.9	9.7	38.4	76.9	94.1	115.8	95.6
MATURITY GROUP 3								
IOWA-MISSOURI SX 20(SX)	5.1	3.8	1.9	3.6	134.9	189.6*	188.1*	170.8**
STAUFFER SEEDS 818(SX)	8.6	4.3	3.8	5.5	138.4*	183.7*	182.7*	168.2*
USS 2020(SX)	4.8	2.7	1.9	3.1	156.3**	169.9	163.5	163.2*
AMERICANA 4808(SX)	1.8	3.5	2.6	2.6	149.1*	162.3	177.8*	163.0*
MCALLISTER SX7918(SX)	0.0	2.8	0.5	1.1	128.2	167.8	187.7*	161.2*
NORTHROP KING PX87(SX)	1.3	3.8	2.3	2.4	126.9	180.3*	169.2*	158.8*
MCCURDY 8150(SX)	5.7	1.3	2.4	3.1	122.7	177.2*	169.2*	156.3*
AMERICANA 4730(SX)	6.2	4.6	0.7	3.8	125.9	172.8	163.2	153.9
MIGRO SPX-77(SX)	5.0	0.5	1.6	2.3	125.5	176.4*	159.5	153.8
PAG SX 351(SX)	5.8	0.0	1.0	2.2	121.7	164.1	169.7*	151.8
MIGRO HP-87(SX)	4.4	5.9	0.0	3.4	128.9	172.5	146.6	149.3
MIGRO M-0707(SX)	5.1	5.7	4.0	4.9	119.1	170.9	156.1	148.7
PAG SX 373(SX)	1.6	2.2	2.6	2.1	120.4	146.5	171.1*	146.0
PAG SX 333(SX)	7.8	1.2	0.6	3.2	113.8	155.5	155.1	141.4
ZIMMERMAN Z14W(SX)##	2.5	1.2	0.7	1.4	117.9	135.2	139.0	130.7
ZIMMERMAN Z54W(3X)##	2.5	1.1	0.0	1.2	89.6	142.6	141.3	124.5
MATURITY GROUP 4								
NORTHROP KING PX95(SX)	24.1	0.6	2.3	9.0	123.4	174.7	189.2*	162.4*
TRIAL AVERAGE								
L.S.D. AT .05	4.6	3.7	1.4	3.2	115.3	154.8	158.1	142.7
					21.1	22.9	22.2	14.8

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 7. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR MARSHALL ON THE FRANK SWISHER FARM IN 1931 AND NEAR CARROLLTON ON THE SINGLETON FARM IN 1979-80. PLANTED: 27 APRIL 1981. HARVESTED: 24 SEPTEMBER 1981. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1981	1981	1981	1980	1979	1981	1980	1979
MATURITY GROUP 1								
RING AROUND RA 1502(SX)	16000	19.2	1.4	0.0	4.3	147.2*	64.8	165.6*
O'S GOLD EXP 25701(SX)	19200	18.5	1.1	--	--	137.4*	--	--
GOLDEN HARVEST H2500(SX)##	17400	17.0	1.9	0.0	2.5	133.2*	85.2	146.1*
RING AROUND RA 1604(SX)	15400	17.9	7.8	2.5	--	132.7*	110.9*	--
STAUFFER SEEDS 7759(SX)	17600	18.4	0.5	--	--	129.9*	--	--
NORTHROP KING PX74(SX)	17600	17.3	4.8	2.3	--	128.1	93.8*	--
FUNKS G-4507(SX)##	16400	17.9	11.5	10.3	3.1	122.7	101.0*	135.6*
DEKALB XL73(SX)	17000	17.6	5.6	--	--	120.3	--	--
DEKALB XL72AA(SX)##	18500	19.2	6.0	1.4	6.1	120.2	100.8*	130.7
USS 1010(SX)	14800	17.3	7.2	3.5	5.7	118.5	85.4	136.9*
MASTER CHOICE MC 630(SX)	16000	16.7	7.7	--	--	117.7	--	--
FUNK'S G-4522(MSX)	16500	18.6	2.3	--	--	116.2	--	--
SUPER CROST 5440(SX)	15100	19.8	7.2	1.8	2.4	114.3	101.7*	156.6*
O'S GOLD 3344(SX)	15300	18.0	23.2	6.8	5.4	114.0	109.5*	139.1*
AMERICANA 3100(SX)	16800	16.7	8.7	--	--	112.2	--	--
TAYLOR-EVANS T-E 6995(SX)	14700	19.5	10.9	0.0	--	110.8	83.1	--
GOLD TAG 3006(SX)	17400	16.4	3.9	--	--	106.9	--	--
MFA 5104(SX)	18000	18.1	15.1	2.4	4.6	101.6	94.0*	146.2*
CARGILL 921(SX)	16900	18.3	6.4	2.3	4.0	101.3	95.2*	147.9*
RING AROUND RA 1504(SX)	16200	18.5	0.7	--	--	101.0	--	--
NORTHROP KING PX9573(SPX)	17300	18.2	14.0	--	--	100.7	--	--
DEKALB XL67(SX)	15000	17.9	8.5	--	--	98.4	--	--
DEKALB XL72C(SX)	16000	20.3	9.2	--	--	96.9	--	--
MASTER CHOICE MC 600(SX)	16300	17.5	10.2	--	--	94.4	--	--
MACON 110(SX)	13900	18.0	11.5	--	--	94.1	--	--
SUPER CROST 4337(SX)	15100	16.8	0.7	--	--	92.6	--	--
BURRUS BX21(SX)	15700	17.4	3.8	--	--	91.3	--	--
GROWERS GSA 2120(SX)	15200	16.8	17.1	--	--	88.9	--	--
USS 0526(SX)	16300	16.0	25.4	--	--	84.9	--	--
FUNK'S G-4583(SX)	15000	19.3	12.0	--	4.6	80.9	--	138.6*
MATURITY GROUP 2								
BURRUS BX39(SX)	16500	19.0	1.3	--	--	149.2**	--	--
PIONEER 3183(SX)##	18100	19.2	6.5	0.0	5.4	147.2*	104.6*	145.3*
CALLISON CB89(SX)	17500	19.8	0.0	2.5	4.2	145.4*	89.6	128.5
CARGILL 967(SX)	16200	17.0	11.6	4.2	3.4	137.8*	88.2	153.6*
GOLDEN HARVEST H2680(SX)	18500	21.5	12.1	7.1	--	133.3*	87.6	--
STAUFFER SEEDS 1144(SX)	17700	21.6	2.6	--	--	132.6*	--	--
MFA 5802(SX)##	19200	17.3	4.9	6.0	4.2	131.4*	87.7	144.4*
PIONEER 3186(SX)	16600	18.4	18.6	--	--	130.4*	--	--
STAUFFER SEEDS 7795(SX)	17700	19.0	0.0	4.0	6.6	129.1*	99.9*	148.4*
MCCURDY 84AA(SX)	15900	21.5	2.2	2.3	3.3	129.1*	89.2	132.8
DEKALB XL74B(SX)	15600	19.7	12.3	--	--	128.1	--	--
HAPPEL HS-80(SX)	17300	17.2	6.6	2.6	6.7	127.4	91.6*	137.5*
DEKALB XL70(SX)	17500	17.8	8.4	--	--	127.4	--	--
CALLISON CB90(SX)	16500	18.1	7.1	3.8	--	126.3	97.1*	--
O'S GOLD 5291(SX)	16600	22.3	5.0	--	--	125.8	--	--
GROWERS 2300(SX)	15700	17.8	7.6	1.0	10.4	122.4	67.9	136.3*
AMERICANA 4640(SX)	17600	20.0	4.5	3.3	0.5	122.2	94.2*	147.2*
O'S GOLD 5509(SX)	16400	17.9	8.0	4.7	--	121.6	86.6	--
MACON 221(SX)	15100	20.3	7.2	4.6	--	121.6	83.7	--
FUNK'S G-4673(SPX)	19400	18.0	5.1	3.9	--	121.1	100.7*	--
ACCO PAYMASTER UC 8201(SX)	16400	19.4	2.5	--	--	120.9	--	--
PIONEER 3090(DX)	17500	17.4	4.1	--	4.0	120.5	--	139.6*
MACON 344(SX)	16000	20.4	9.0	13.2	--	120.4	60.5	--
ASGROW RX777(SX)	14300	18.6	12.5	--	--	120.1	--	--
LYNKS LX 4355(SX)	16000	18.3	2.1	--	--	119.0	--	--
LEWIS X53B(SX)	18500	18.7	3.9	0.0	--	118.8	64.5	--
SUPER CROST 80052(SX)	17300	18.3	3.2	13.1	--	117.4	70.5	--
GOLD TAG 4022(SX)	16400	17.8	8.5	0.0	--	117.0	88.2	--
MCCURDY 7676(SX)	18500	18.2	0.0	--	--	116.9	--	--
LYNKS LX 4500(SX)	16000	19.4	3.0	1.3	3.9	116.6	85.1	167.0**
STAUFFER SEEDS 802(SX)	18300	20.5	4.8	1.5	3.6	116.3	91.9*	166.7*
LEWIS X74B(SX)	16500	18.6	8.0	1.5	--	116.3	84.0	--
MACON 420(SX)	17100	20.5	8.4	1.4	--	116.1	71.3	--
MCCURDY 7787(SX)	16500	18.6	22.3	8.1	--	115.5	86.9	--
TROJAN T1189(SX)	14300	19.0	0.0	--	5.0	115.4	--	154.6*
FUNK'S G-4606(SPX)	15600	19.5	11.7	8.9	3.7	115.2	83.4	129.2
MFA 6708(SX)	14300	17.9	6.0	--	--	114.2	--	--
TROJAN TXS115A(SX)	18800	17.6	6.5	4.1	7.1	114.1	90.0	147.9*
AMERICANA 4100(SX)	15200	18.0	11.8	--	--	112.8	--	--
LEWIS X81B(SX)	16900	19.9	5.0	4.6	--	112.5	71.8	--
PRINCETON SX910(SX)#	18600	22.5	5.6	--	--	111.9	--	--
STAUFFER SEEDS S8818(SX)	18600	19.3	17.4	--	--	111.9	--	--
CARGILL 949(SX)	17600	18.8	5.5	4.5	2.4	111.9	92.0*	142.6*
PRINCETON SX870(SX)	14800	18.2	6.5	--	--	110.8	--	--
NC+ 8331(SX)	15300	20.2	4.0	6.0	--	107.8	51.5	--
MFA 6707(SX)	17000	17.8	6.4	0.8	--	107.4	110.3*	--
TAYLOR-EVANS T-E 6995-A(SX)	16500	20.4	8.6	3.3	--	107.2	80.5	--
AMERICANA 4500(SX)	16200	18.5	10.5	3.2	2.8	105.6	86.7	151.9*

TABLE 7. CONTINUED.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1981	1981	1981	1980	1979	1981	1980	1979
FEDERAL FX39(SX)	16400	18.6	2.1	4.3	3.5	105.3	110.9*	147.1*
PREMIUM EK8865(SPX)	15300	18.3	10.2	--	--	105.0	--	--
NC+ 59(SX)##	17300	18.6	1.3	3.4	4.5	104.3	101.0*	132.3
TROJAN T1200(SX)	16300	18.0	--	--	--	103.1	--	--
STAUFFER SEEDS 120A(SX)	14100	21.0	13.6	--	--	103.0	--	--
LEWIS X58B(SX)	16300	21.0	12.1	--	--	101.7	--	--
PAG SX 98(SX)##	18000	19.8	11.3	15.1	7.1	100.5	71.0	138.4*
HAPPEL 3361A(3X)	15900	19.6	8.8	2.9	8.6	100.1	84.2	133.6
MFA 5903(SPX)##	15300	18.0	3.2	9.1	4.4	99.3	90.6	136.8*
ASGROW RX98(SX)	16500	20.2	3.5	--	--	99.0	--	--
CARGILL 951(SX)	18200	20.1	10.9	--	--	98.8	--	--
ASGROW RX909(SX)	15100	19.7	6.9	5.9	8.0	98.1	87.6	133.2
TROJAN T1100(SX)	16000	17.6	3.7	--	--	98.0	--	--
ACCO PAYMASTER UC 7601(SX)	14300	17.9	1.5	10.0	4.9	97.7	87.2	142.3*
DEKALB XL72B(SX)##	14500	19.3	10.2	6.3	5.7	96.7	100.4*	144.2*
STAUFFER SEEDS SUPER 14(SX)	16800	18.0	--	--	--	96.2	--	--
PREMIUM EK9920(SX)	14100	20.4	6.9	7.3	--	95.4	94.2*	--
DEKALB XL372(3X)##	17400	18.7	10.8	2.8	1.1	93.8	81.1	112.3
LEWIS X52B(SX)	14600	18.0	28.7	--	--	93.7	--	--
PIONEER 3382(SX)	16600	16.9	5.8	3.0	3.4	92.8	89.7	166.8*
DEKALB XL75(SX)	16400	21.4	15.5	8.1	--	88.1	97.8*	--
DEKALB XL81(SX)##	18000	22.4	9.4	4.4	4.4	86.0	80.0	137.4*
US-13(DX)	16200	17.8	36.5	14.0	6.5	79.2	55.2	101.2
TAYLOR-EVANS T-E 6945(SX)	15600	16.7	18.7	--	--	72.8	--	--
MATURITY GROUP 3								
TROJAN T1230(SX)	14100	18.7	6.4	1.7	--	135.8*	96.6*	--
PAG SX 351(SX)	17500	18.1	2.6	1.4	--	135.0*	93.2*	--
STAUFFER SEEDS 818(SX)	17400	17.8	7.4	1.3	6.8	128.9*	99.2*	151.1*
PIONEER 3184(SX)	16300	20.8	6.4	0.0	7.2	128.8*	92.6*	136.8*
LYNKS LX 4545(SX)	15400	20.3	7.3	0.0	--	127.9	87.2	--
NORTHROP KING PX87(SX)	17900	18.5	9.6	3.0	5.7	124.5	98.7*	138.2*
USS 2020(SX)	17000	18.1	5.9	--	--	121.7	--	--
MCCURDY 8150(SX)	16300	20.1	6.9	--	--	121.5	--	--
AMERICANA 4808(SX)	16900	20.5	7.7	--	--	118.5	--	--
PAG SX 333(SX)	15300	19.8	2.9	7.3	5.8	117.2	97.5*	153.0*
ACCO PAYMASTER UC 8951(SX)	15800	22.2	8.6	5.3	--	115.5	84.8	--
PAG SX 373(SX)	18500	20.9	9.5	4.7	5.6	112.7	72.0	149.4*
ZIMMERMAN Z14W(SX)#	15900	21.1	2.8	--	--	110.9	--	--
AMERICANA 4730(SX)	16800	20.8	6.9	8.7	--	108.1	102.1*	--
GROWERS 2340(SX)	17100	19.2	15.5	8.5	--	108.0	102.5*	--
AMERICANA 6700(SX)	16800	18.4	9.7	9.1	5.3	99.8	86.3	151.2*
PIONEER 3320(MSX)	16200	18.6	4.5	--	--	99.3	--	--
ZIMMERMAN Z54W(SX)#	17100	23.1	5.2	--	--	87.9	--	--
MATURITY GROUP 4								
NORTHROP KING PX95(SX)	15400	20.5	25.2	0.8	5.6	123.8	84.8	139.9*

TRIAL AVERAGE	16400	18.9	8.1	3.9	4.8	112.9	87.1	140.5
L.S.D. AT .05						20.7	24.2	32.4

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 8. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER 1979-81. PLANTED: 7 APRIL 1981. HARVESTED: 17 SEPTEMBER 1981. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(%)	(%)
	1981	1981	1981	1980	1979	1981	1980	1979
MATURITY GROUP 1								
DEKALB XL73(SX)	20200	23.0	2.4	--	--	152.0*	--	--
CARGILL 921(SX)	20300	20.0	5.7	5.0	0.0	145.4*	2.9	88.6
AMERICANA 3100(SX)	19800	19.6	0.5	--	--	141.4*	--	--
O'S GOLD 3344(SX)	20200	21.7	15.8	8.3	0.0	140.9*	5.2	99.4
MASTER CHOICE MC 630(SX)	20900	21.1	8.2	--	--	140.8*	--	--
STAUFFER SEEDS 7759(SX)	19100	22.1	19.2	--	--	139.5*	--	--
O'S GOLD EXP 25701(SX)	18600	22.3	7.8	--	--	137.6*	--	--
TAYLOR-EVANS T-E 6995(SX)	19400	21.4	14.0	3.7	--	133.9	5.7	--
RING AROUND RA 1502(SX)	20200	23.0	18.9	14.4	0.0	130.9	1.9	78.9
DEKALB XL72C(SX)	20300	21.5	12.7	--	--	130.3	--	--
DEKALB XL72AA(SX)##	19800	22.6	5.6	8.8	1.2	129.8	1.4	103.0*
RING AROUND RA 1504(SX)	21000	20.7	11.5	--	--	126.4	--	--
BURRUS BX21(SX)	20300	20.8	1.6	--	--	126.3	--	--
SUPER CROST 5440(SX)	18100	22.7	19.7	3.4	1.2	123.7	2.6	93.7
GOLDEN HARVEST H2500(SX)##	19800	20.3	13.8	10.4	1.3	123.3	1.2	76.9
NORTHROP KING PX74(SX)	20900	21.2	12.4	9.1	--	115.8	1.5	--
RING AROUND RA 1604(SX)	21600	24.3	15.6	9.0	--	114.8	0.3	--
NORTHROP KING PX9573(SPX)	18800	21.3	22.8	--	--	114.5	--	--
FUNK'S G-4583(SX)	19300	22.0	14.0	--	1.9	114.2	--	99.6
GOLD TAG 3006(SX)	20000	21.2	9.4	--	--	114.2	--	--
SUPER CROST 4337(SX)	20300	19.9	28.1	--	--	113.5	--	--
FUNK'S G-4522(MSX)	19200	21.8	5.9	--	--	112.7	--	--
FUNKS G-4507(SX)##	19800	21.0	34.8	7.2	1.9	111.7	4.0	81.2
MACON 110(SX)	21200	21.1	7.9	--	--	110.0	--	--
MASTER CHOICE MC 600(SX)	20400	23.8	24.2	--	--	109.1	--	--
MFA 5104(SX)	21000	19.9	23.1	3.4	1.2	108.2	3.1	61.2
GROWERS GSA 2120(SX)	20300	19.8	11.5	--	--	104.9	--	--
USS 1010(SX)	19200	23.5	9.4	14.9	1.3	103.9	4.6	95.3
DEKALB XL67(SX)	19600	21.6	26.8	--	--	102.3	--	--
USS 0526(SX)	20000	19.1	24.8	--	--	91.5	--	--
MATURITY GROUP 2								
MCCURDY 7787(SX)	20300	24.0	12.8	9.4	--	159.4**	3.2	--
O'S GOLD 5291(SX)	18800	25.0	7.4	--	--	154.5*	--	--
MACON 344(SX)	19700	21.6	11.7	8.2	--	149.1*	4.4	--
ASGROW RX909(SX)	20000	23.6	6.5	5.1	3.0	148.6*	3.3	93.2
STAUFFER SEEDS 802(SX)	21200	23.7	7.0	5.5	3.9	147.9*	17.8**	74.0
LYNKS LX 4355(SX)	20300	22.1	2.8	--	--	146.9*	--	--
FUNK'S G-4606(SPX)	18800	22.1	6.8	10.3	3.1	146.8*	2.3	89.3
MCCURDY 844A(SX)	20400	24.0	6.3	6.1	1.4	146.5*	2.7	91.7
ACCO PAYMASTER UC 7601(SX)	19400	22.0	3.7	9.6	1.3	145.2*	3.3	76.4
DEKALB XL72B(SX)##	20500	22.7	2.5	9.3	1.6	143.8*	3.1	90.9
AMERICANA 4640(SX)	20500	22.5	5.8	5.6	1.4	142.4*	1.7	109.4*
CARGILL 967(SX)	21000	21.3	25.6	4.4	0.6	142.1*	3.2	106.6*
CALLISON CB89(SX)	19200	24.0	18.8	6.7	0.6	141.3*	1.5	85.1
HAPPEL MS-80(SX)	22300	21.1	10.8	4.5	0.6	140.4*	3.3	83.2
GROWERS 2300(SX)	18700	21.3	25.4	5.3	2.7	140.2*	5.0	92.0
ACCO PAYMASTER UC 8201(SX)	20500	21.5	11.1	--	--	139.8*	--	--
AMERICANA 4100(SX)	21600	20.8	4.4	--	--	138.7*	--	--
LYNKS LX 4500(SX)	19200	24.8	8.5	9.1	1.1	137.0*	17.7*	81.9
PRINCETON SX870(SX)	18600	24.6	6.4	--	--	136.7*	--	--
PIONEER 3090(DX)	20000	24.0	17.6	--	0.4	136.1*	--	85.0
CARGILL 949(SX)	20500	20.8	14.5	10.8	3.5	135.9*	1.3	85.8
STAUFFER SEEDS 120A(SX)	20400	23.0	5.4	--	--	135.4*	--	--
LEWIS X74B(SX)	19400	23.6	7.4	8.3	--	134.8*	4.5	--
STAUFFER SEEDS 114+(SX)	19900	24.5	5.2	--	--	134.7*	--	--
TROJAN T1189(SX)	20900	22.6	6.7	--	0.0	134.1	--	91.0
SUPER CROST 80052(SX)	21400	22.7	18.3	22.0	--	131.2	7.6	--
PIONEER 3382(SX)	20200	20.4	7.9	4.9	3.6	131.1	4.7	110.8*
LEWIS X58B(SX)	20400	21.3	7.1	--	--	130.4	--	--
LEWIS X53B(SX)	18500	19.5	12.3	18.5	--	129.9	3.2	--
FEDERAL FX39(SX)	19600	22.3	3.6	9.0	2.5	129.5	3.4	88.3
TROJAN T1100(SX)	19400	20.2	6.5	--	--	129.1	--	--
BURRUS BX39(SX)	21000	23.2	10.4	--	--	129.0	--	--
ASGROW RX777(SX)	18900	21.4	19.7	--	--	128.9	--	--
O'S GOLD 5509(SX)	21500	24.5	25.9	5.0	--	127.5	1.3	--
MFA 5802(SX)##	20900	21.6	15.1	5.7	0.6	127.4	3.3	82.0
FUNK'S G-4673(SPX)	19600	22.9	14.5	11.4	--	126.8	1.5	--
TAYLOR-EVANS T-E 6995-A(SX)	19600	22.1	13.8	9.6	--	126.3	1.1	--
DEKALB XL372(SX)##	20900	20.4	2.2	7.1	2.1	126.1	3.2	90.6
DEKALB XL81(SX)##	19300	23.6	3.2	5.2	1.2	125.6	6.5	78.0
MACON 221(SX)	20400	23.5	4.2	9.7	--	125.4	2.9	--
NC+ 8331(SX)	19100	24.0	17.5	11.9	--	125.1	4.1	--
PREMIUM EK8865(SPX)	20800	22.9	11.5	--	--	122.5	--	--
STAUFFER SEEDS S8818(SX)	19900	23.9	34.1	--	--	121.8	--	--
PIONEER 3186(SX)	20800	23.2	29.0	--	--	121.7	--	--
GOLDEN HARVEST H2680(SX)	20600	23.8	25.7	4.6	--	121.3	1.0	--
ASGROW RX98(SX)	20800	22.0	13.1	--	--	120.6	--	--
TAYLOR-EVANS T-E 6945(SX)	22300	22.0	7.4	--	--	119.9	--	--
TROJAN TXS115A(SX)	20200	21.1	21.7	7.1	1.9	119.8	12.1	104.2*

TABLE 8. CONTINUED.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1981	1981	1981	1980	1979	1981	1980	1979
TROJAN T1200(SX)	19300	22.3	9.5	--	--	119.2	--	--
HAPPEL 3361A(3X)	18600	21.0	18.8	15.2	6.3	118.9	2.0	84.6
LEWIS X81B(SX)	20500	23.9	16.8	5.1	--	117.2	1.8	--
GOLD TAG 4022(SX)	22700	23.4	24.0	8.5	--	116.9	1.4	--
STAUFFER SEEDS 7795(SX)	19700	21.3	21.7	18.1	2.4	116.7	1.3	105.0*
PAG SX 98(SX)##	18500	25.9	2.5	2.7	4.8	116.4	3.3	105.1*
CALLISON CB90(SX)	21400	22.3	25.7	14.2	--	112.7	1.6	--
CARGILL 951(SX)	19300	21.1	29.1	--	--	112.7	--	--
NC+ 59(SX)##	18500	20.3	18.7	8.2	1.2	111.7	2.2	102.5*
PIONEER 3183(SX)##	19200	21.2	29.4	13.9	1.3	109.3	2.7	112.9*
DEKALB XL70(SX)	20200	21.4	32.5	--	--	109.0	--	--
DEKALB XL75(SX)	18600	22.7	7.9	4.2	--	108.7	4.5	--
DEKALB XL74B(SX)	19600	24.1	27.9	--	--	108.1	--	--
MFA 6708(SX)	20500	22.0	32.8	--	--	107.0	--	--
PRINCETON SX910(SX)#	22500	25.3	22.4	--	--	106.2	--	--
STAUFFER SEEDS SUPER 14(SX)	20300	25.2	16.6	--	--	103.3	--	--
AMERICANA 4500(SX)	20300	20.3	33.1	6.0	2.0	102.7	5.8	96.6
PREMIUM EK9920(SX)	20200	24.3	21.5	6.5	--	101.7	3.3	--
MCCURDY 7676(SX)	19800	21.0	25.1	--	--	101.6	--	--
MFA 5903(SPX)##	18300	20.2	37.6	3.7	3.8	101.1	1.2	105.0*
LEWIS X52B(SX)	19700	22.1	21.8	--	--	96.9	--	--
MFA 6707(SX)	20500	21.8	25.6	10.6	--	93.0	4.4	--
MACON 420(SX)	20600	22.1	31.7	9.3	--	92.9	2.1	--
US-13(DX)	20800	21.1	38.4	5.5	4.8	68.6	2.9	58.8
MATURITY GROUP 3								
AMERICANA 4808(SX)	20500	24.7	19.5	--	--	156.7*	--	--
PIONEER 3184(SX)	20600	23.8	10.5	24.9	1.9	153.1*	0.8	102.4*
PAG SX 351(SX)	21200	20.8	17.5	4.3	--	151.4*	9.4	--
AMERICANA 4730(SX)	20400	23.6	13.4	4.4	--	145.5*	1.8	--
LYNKS LX 4545(SX)	19600	23.1	27.2	8.9	--	135.5*	0.8	--
TROJAN T1230(SX)	19200	25.0	13.2	5.1	--	133.0	2.7	--
MCCURDY 8150(SX)	19400	23.4	17.2	--	--	132.7	--	--
ACCO PAYMASTER UC 8951(SX)	19400	25.0	19.3	13.1	--	128.4	1.6	--
PAG SX 333(SX)	20900	21.0	7.3	7.7	0.0	127.6	2.7	92.8
NORTHROP KING PX87(SX)	20000	23.8	20.6	8.5	2.6	123.4	1.8	86.7
PIONEER 3320(MSX)	19800	21.8	17.0	--	--	120.2	--	--
ZIMMERMAN Z14W(SX)#	19600	26.6	19.4	--	--	117.2	--	--
GROWERS 2340(SX)	19600	24.4	30.2	9.4	--	114.2	1.3	--
AMERICANA 6700(SX)	19400	23.1	18.9	2.6	3.0	111.2	2.8	100.8*
USS 2020(SX)	20200	24.3	18.5	--	--	110.0	--	--
PAG SX 373(SX)	20300	23.8	18.3	7.2	1.9	108.9	1.7	73.2
STAUFFER SEEDS 818(SX)	20000	23.6	24.1	9.8	0.5	105.1	1.2	103.1*
ZIMMERMAN Z54W(SX)#	19800	27.3	26.8	--	--	103.8	--	--
MATURITY GROUP 4								
NORTHROP KING PX95(SX)	19400	27.3	14.9	15.4	1.8	139.3*	0.5	85.5

TRIAL AVERAGE	20000	22.4	15.8	8.7	1.9	124.6	3.1	88.9
L.S.D. AT .05						24.9	4.8	17.9

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 9. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR WELDON SPRING ON THE WELDON SPRING EXTENSION CENTER IN 1980-81. PLANTED: 17 APRIL 1981. HARVESTED: 22 SEPTEMBER 1981. PLANTED POPULATION 23000.

BRAND-HYBRID	PLANTS (#/ACRE)		MOIST (%)		LODGING (%)		YIELD (BU/ACRE)	
	1981	1981	1981	1980	1981	1980	1981	1980
MATURITY GROUP 1								
O'S GOLD EXP 25701(SX)	17600	20.2	6.6	--	--	117.5	--	--
DEKALB XL73(SX)	14800	19.8	7.6	--	--	113.5	--	--
FUNK'S G-4583(3X)	19900	18.8	2.7	--	--	111.1	--	--
RING AROUND RA 1502(SX)	15700	21.0	5.3	7.9	--	108.0	85.3	--
FUNKS G-4507(SX)##	16200	19.4	11.9	8.9	--	106.9	80.7	--
O'S GOLD 3344(SX)	14500	17.7	12.3	7.5	--	104.0	92.4	--
CARGILL 921(SX)	19600	17.7	2.3	5.9	--	103.0	67.6	--
GOLDEN HARVEST H2500(SX)##	15700	18.8	7.0	4.0	--	102.9	62.7	--
DEKALB XL72AA(SX)##	18900	18.5	12.7	8.3	--	100.9	82.5	--
TAYLOR-EVANS T-E 6995(SX)	14600	18.6	14.0	6.0	--	99.5	77.8	--
NORTHROP KING PX74(SX)	15600	17.6	11.6	4.1	--	97.0	64.1	--
DEKALB XL72C(SX)	17000	18.4	9.0	--	--	96.4	--	--
MACON 110(SX)	16400	16.1	3.9	--	--	93.9	--	--
USS 1010(SX)	16200	19.6	6.9	6.5	--	93.9	70.0	--
RING AROUND RA 1604(SX)	16800	21.4	1.4	11.5	--	93.6	82.7	--
NORTHROP KING PX9573(SPX)	16000	18.9	12.5	--	--	93.5	--	--
STAUFFER SEEDS 7759(SX)	17900	19.3	4.8	--	--	92.9	--	--
MASTER CHOICE MC 600(SX)	15700	19.7	8.6	--	--	92.7	--	--
DEKALB XL67(SX)	15400	19.2	9.2	--	--	91.0	--	--
MASTER CHOICE MC 630(SX)	17500	17.8	1.3	--	--	89.9	--	--
SUPER CROST 4337(SX)	17100	16.7	2.6	--	--	88.9	--	--
SUPER CROST 5440(SX)	16000	19.2	6.4	3.6	--	88.0	80.7	--
GOLD TAG 3006(SX)	15600	17.0	5.4	--	--	86.8	--	--
AMERICANA 3100(SX)	14800	17.7	0.0	--	--	85.6	--	--
RING AROUND RA 1504(SX)	16300	18.3	20.0	--	--	81.7	--	--
FUNK'S G-4522(MSX)	13300	18.5	4.4	--	--	80.2	--	--
MFA 5104(SX)	15300	18.3	13.2	4.4	--	77.1	83.0	--
BURRUS BX21(SX)	14000	18.1	4.3	--	--	76.7	--	--
GRDWERS GSA 2120(SX)	14500	17.5	4.0	--	--	72.8	--	--
USS 0526(SX)	13700	17.7	5.9	--	--	62.2	--	--
MATURITY GROUP 2								
HAPPEL M5-80(SX)	18900	18.2	13.1	4.6	--	131.4*	65.8	--
STAUFFER SEEDS 120A(SX)	17500	20.3	1.2	--	--	127.7*	--	--
PIONEER 3183(SX)##	16300	20.7	6.9	1.3	--	124.2*	92.0	--
O'S GOLD 5509(SX)	16800	21.3	9.6	4.2	--	122.6*	86.4	--
PIONEER 3186(SX)	16600	22.7	11.0	--	--	122.1*	--	--
BURRUS BX39(SX)	15000	18.7	2.7	--	--	121.3	--	--
ASGROW RX909(SX)	17700	20.7	2.1	4.2	--	116.9	63.2	--
CALLISON CB90(SX)	11800	20.0	5.5	6.0	--	116.6	108.5*	--
MACON 420(SX)	15000	19.2	5.9	6.9	--	116.3	75.6	--
MCCURDY 7676(SX)	18100	18.8	7.1	--	--	114.7	--	--
FUNK'S G-4673(SPX)	13900	20.6	20.8	7.5	--	114.0	73.5	--
TROJAN T1189(SX)	15200	20.3	6.7	--	--	113.8	--	--
MACON 221(SX)	17600	19.7	0.6	4.7	--	113.0	82.3	--
DEKALB XL74B(SX)	15600	20.7	10.8	--	--	112.4	--	--
AMERICANA 4640(SX)	16900	19.8	0.0	6.4	--	110.7	92.7	--
GOLD TAG 4022(SX)	15300	20.5	5.4	9.0	--	109.6	86.9	--
MCCURDY 84AA(SX)	18900	20.3	9.0	4.4	--	109.5	84.6	--
O'S GOLD 5291(SX)	13700	21.3	4.6	--	--	108.4	--	--
LEWIS X58B(SX)	18100	18.4	4.5	--	--	107.5	--	--
STAUFFER SEEDS 802(SX)	15900	21.6	6.6	7.1	--	107.3	97.0*	--
LYNKS LX 4500(SX)	16300	20.7	6.8	6.5	--	106.5	69.0	--
STAUFFER SEEDS 114+(SX)	14000	19.9	7.3	--	--	105.4	--	--
NC+ 8331(SX)	15100	20.5	3.9	7.0	--	105.0	65.4	--
DEKALB XL81(SX)##	16600	20.3	1.4	0.8	--	104.4	59.7	--
MCCURDY 7787(SX)	14800	20.1	6.0	5.6	--	104.3	77.9	--
CALLISON CB89(SX)	15700	21.3	3.5	5.1	--	104.2	83.6	--
PIONEER 3090(DX)	18200	20.8	1.3	--	--	104.1	--	--
CARGILL 951(SX)	15200	19.0	6.8	--	--	103.8	--	--
MACON 344(SX)	14200	19.5	6.8	5.7	--	103.1	72.4	--
MFA 5903(SPX)##	16900	18.2	10.9	11.4	--	103.1	47.1	--
ACCO PAYMASTER UC 8201(SX)	15200	18.2	7.1	--	--	103.0	--	--
GOLDEN HARVEST H2680(SX)	15400	21.1	7.3	5.7	--	103.0	86.7	--
DEKALB XL72B(SX)##	14500	19.6	1.8	10.6	--	102.8	98.7*	--
LYNKS LX 4355(SX)	16200	18.2	5.5	--	--	102.5	--	--
TROJAN T1200(SX)	17000	18.3	1.3	--	--	101.7	--	--
MFA 6707(SX)	16300	20.0	24.7	3.8	--	101.5	80.4	--
PRINCETON SX870(SX)	15400	21.3	4.6	--	--	101.5	--	--
STAUFFER SEEDS 7795(SX)	17100	19.1	2.0	3.5	--	101.2	95.5*	--
PRINCETON SX910(SX)#	15300	24.0	7.3	--	--	101.0	--	--
NC+ 59(SX)##	14800	18.0	9.0	6.6	--	99.8	70.6	--
TROJAN TXS115A(SX)	16500	19.3	7.3	10.7	--	99.4	71.9	--
TAYLOR-EVANS T-E 6945(SX)	15700	19.7	9.1	--	--	98.9	--	--
CARGILL 949(SX)	18500	19.3	12.8	7.2	--	98.0	71.1	--
MFA 5802(SX)##	18800	18.1	6.9	10.1	--	97.3	67.1	--
STAUFFER SEEDS S8818(SX)	16400	21.1	9.8	--	--	96.0	--	--
LEWIS X74B(SX)	18000	21.6	1.3	6.2	--	95.7	80.9	--
TAYLOR-EVANS T-E 6995-A(SX)	15900	20.4	5.6	4.8	--	93.1	79.2	--
CARGILL 967(SX)	13500	18.1	24.6	6.0	--	92.8	90.1	--

TABLE 9. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	1981	1980	(%)	1981	(BU/ACRE)	
LEWIS X52B(SX)	15800	18.0	6.7	--	--	91.8	--	--
PREMIUM EK9920(SX)	14100	21.4	4.1	7.4	--	91.4	105.1*	--
MFA 6708(SX)	14200	20.6	29.5	--	--	91.3	--	--
AMERICANA 4500(SX)	16800	18.1	7.0	8.4	--	90.5	103.2*	--
LEWIS X81B(SX)	14800	20.8	15.2	8.0	--	90.1	82.3	--
GROWERS 2300(SX)	15300	19.2	5.2	6.9	--	89.5	99.2*	--
ASGROW RX777(SX)	18100	18.9	5.2	--	--	89.1	--	--
DEKALB XL372(SX)##	15000	17.7	1.4	6.0	--	88.1	54.4	--
FUNK'S G-4606(SPX)	17300	20.1	11.8	2.9	--	88.0	84.0	--
TROJAN T1100(SX)	15700	18.7	4.6	--	--	85.7	--	--
DEKALB XL75(SX)	13400	19.3	8.0	4.0	--	85.5	89.9	--
PIONEER 3382(SX)	18300	19.6	7.7	5.6	--	84.7	78.1	--
PREMIUM EK8865(SPX)	14700	19.7	10.9	--	--	84.4	--	--
AMERICANA 4100(SX)	16600	19.0	15.7	--	--	84.0	--	--
LEWIS X53B(SX)	16900	17.2	11.0	5.5	--	83.4	80.0	--
ACCO PAYMASTER UC 7601(SX)	12700	20.2	16.8	5.8	--	81.1	72.2	--
DEKALB XL70(SX)	14500	18.8	2.4	--	--	80.9	--	--
STAUFFER SEEDS SUPER 14(SX)	14700	19.4	25.7	--	--	79.1	--	--
HAPPEL 3361A(3X)	16900	18.3	17.7	8.9	--	75.6	65.7	--
PAG SX 98(SX)##	16600	18.5	12.5	7.4	--	73.0	64.2	--
SUPER CROST 80052(SX)	14500	18.5	36.7	11.4	--	72.1	68.3	--
FEDERAL FX39(SX)	16500	17.3	5.9	4.5	--	71.9	79.1	--
ASGROW RX98(SX)	13500	16.9	10.1	--	--	67.6	--	--
US-13(DX)	15200	17.5	23.1	12.1	--	66.4	49.6	--
MATURITY GROUP 3								
MCCURDY 8150(SX)	18000	21.8	4.6	--	--	142.2**	--	--
STAUFFER SEEDS 818(SX)	16500	20.5	5.1	12.0	--	119.8	91.9	--
PIONEER 3184(SX)	16600	21.7	2.4	0.0	--	109.7	105.9*	--
PIONEER 3320(SX)	15400	20.8	5.4	--	--	106.1	--	--
ACCO PAYMASTER UC 8951(SX)	17000	19.5	4.9	2.4	--	103.2	80.4	--
NCRTHRUP KING PX87(SX)	14500	21.9	10.2	4.7	--	101.4	80.9	--
PAG SX 333(SX)	14000	16.6	22.1	9.2	--	101.0	93.2	--
LYNKS LX 4545(SX)	14000	20.5	11.9	7.4	--	99.4	106.9*	--
PAG SX 373(SX)	13700	21.4	9.2	6.5	--	97.8	53.8	--
TROJAN T1230(SX)	14200	21.5	14.8	6.5	--	97.3	91.0	--
USS 2020(SX)	15700	21.8	9.2	--	--	95.6	--	--
AMERICANA 4730(SX)	15300	20.7	4.4	7.7	--	95.5	72.6	--
ZIMMERMAN Z14W(SX)##	18100	23.3	5.3	--	--	94.3	--	--
GROWERS 2340(SX)	13300	21.3	2.7	5.6	--	94.1	88.4	--
ZIMMERMAN Z54W(3X)##	13700	24.6	22.4	--	--	93.4	--	--
AMERICANA 4808(SX)	13700	22.1	23.4	--	--	90.5	--	--
PAG SX 351(SX)	16500	18.2	5.0	3.9	--	81.7	63.3	--
AMERICANA 6700(SX)	16500	17.8	8.8	5.4	--	78.5	49.5	--
MATURITY GROUP 4								
NORTHROP KING PX95(SX)	13100	23.9	29.4	4.2	--	92.4	94.2*	--
TRIAL AVERAGE								
L.S.D. AT .05	15800	19.5	8.6	5.9		97.7	75.6	
						20.5	19.3	

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 10. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT THREE CENTRAL MISSOURI LOCATIONS (MARSHALL, COLUMBIA, AND WELDON SPRING) IN 1931. PLANTED POPULATION: 23000.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	MARSHAL	COLUMBA	WELDNSP	MEAN	MARSHAL	COLUMBA	WELDNSP	MEAN
MATURITY GROUP 1								
O'S GOLD EXP 25701(SX)	1.1	7.8	6.6	5.1	137.4*	137.6*	117.5	130.8*
RING AROUND RA 1502(SX)	1.4	18.9	5.3	8.5	147.2*	130.9	108.0	128.7*
DEKALB XL73(SX)	5.6	2.4	7.6	5.2	120.3	152.0*	113.5	128.6*
STAUFFER SEEDS 7759(SX)	0.5	19.2	4.8	8.1	129.9*	139.5*	92.9	120.7*
GOLDEN HARVEST H2500(SX)##	1.9	13.8	7.0	7.5	133.2*	123.3	102.9	119.8*
O'S GOLD 3344(SX)	23.2	15.8	12.3	17.1	114.0	140.9*	104.0	119.6*
DEKALB XL72AA(SX)##	6.0	5.6	12.7	8.1	120.2	129.8	100.9	116.9
CARGILL 921(SX)	6.4	5.7	2.3	4.8	101.3	145.4*	103.0	116.5
MASTER CHOICE MC 630(SX)	7.7	8.2	1.3	5.7	117.7	140.8*	89.9	116.1
TAYLOR-EVANS T-E 6995(SX)	10.9	14.0	14.0	12.9	110.8	133.9	99.5	114.7
RING AROUND RA 1604(SX)	7.8	15.6	1.4	8.2	132.7*	114.8	93.6	113.7
FUNKS G-4507(SX)##	11.5	34.8	11.9	19.4	122.7	111.7	106.9	113.7
NORTHROP KING PX74(SX)	4.8	12.4	11.6	9.6	128.1	115.8	97.0	113.6
AMERICANA 3100(SX)	8.7	0.5	0.0	3.0	112.2	141.4*	85.6	113.0
SUPER CROST 5440(SX)	7.2	19.7	6.4	11.1	114.3	123.7	88.0	108.6
DEKALB XL72C(SX)	9.2	12.7	9.0	10.3	96.9	130.3	96.4	107.8
USS 1010(SX)	7.2	9.4	6.9	7.8	118.5	103.9	93.9	105.4
FUNK'S G-4522(MSX)	2.3	5.9	4.4	4.2	116.2	112.7	80.2	103.0
RING AROUND RA 1504(SX)	0.7	11.5	20.0	10.7	101.0	126.4	81.7	103.0
NORTHROP KING PX9573(SPX)	14.0	22.8	12.5	16.4	100.7	114.5	93.5	102.9
GOLD TAG 3006(SX)	3.9	9.4	5.4	6.2	106.9	114.2	86.8	102.6
FUNK'S G-4583(SX)	12.0	14.0	2.7	9.5	80.9	114.2	111.1	102.0
MACON 110(SX)	11.5	7.9	3.9	7.7	94.1	110.0	93.9	99.3
MASTER CHOICE MC 600(SX)	10.2	24.2	8.6	14.3	94.4	109.1	92.7	98.7
SUPER CROST 4337(SX)	0.7	28.1	2.6	10.4	92.6	113.5	88.9	98.3
BURRUS BX21(SX)	3.8	1.6	4.3	3.2	91.3	126.3	76.7	98.1
DEKALB XL67(SX)	8.5	26.8	9.2	14.8	98.4	102.3	91.0	97.2
MFA 5104(SX)	15.1	23.1	13.2	17.1	101.6	108.2	77.1	95.6
GROWERS GSA 2120(SX)	17.1	11.5	4.0	10.8	88.9	104.9	72.8	88.8
USS 0526(SX)	25.4	24.8	5.9	18.7	84.9	91.5	62.2	79.5
MATURITY GROUP 2								
BURRUS BX39(SX)	1.3	10.4	2.7	4.8	149.2**	129.0	121.3	133.1**
HAPPEL MS-80(SX)	6.6	10.8	13.1	10.1	127.4	140.4*	131.4*	133.0*
CALLISON CB89(SX)	0.0	18.8	3.5	7.4	145.4*	141.3*	104.2	130.3*
O'S GOLD 5291(SX)	5.0	7.4	4.6	5.6	125.8	154.5*	108.4	129.5*
MCCURDY 844A(SX)	2.2	6.3	9.0	5.8	129.1*	146.5*	109.5	128.3*
PIONEER 3183(SX)##	6.5	29.4	6.9	14.2	147.2*	109.3	124.2*	126.9*
MCCURDY 7787(SX)	22.3	12.8	6.0	13.7	115.5	159.4**	104.3	126.4*
AMERICANA 4640(SX)	4.5	5.8	0.0	3.4	122.2	142.4*	110.7	125.1*
PIONEER 3186(SX)	18.6	29.0	11.0	19.5	130.4*	121.7	122.1*	124.7*
MACON 344(SX)	9.0	11.7	6.8	9.1	120.4	149.1*	103.1	124.2*
STAUFFER SEEDS 114+(SX)	2.6	5.2	7.3	5.0	132.6*	134.7*	105.4	124.2*
CARGILL 967(SX)	11.6	25.6	24.6	20.6	137.8*	142.1*	92.8	124.2*
O'S GOLD 5509(SX)	8.0	25.9	9.6	14.5	121.6	127.5	122.6*	123.9*
STAUFFER SEEDS 802(SX)	4.8	7.0	6.6	6.1	116.3	147.9*	107.3	123.8*
LYNKS LX 4355(SX)	2.1	2.8	5.5	3.4	119.0	146.9*	102.5	122.8*
STAUFFER SEEDS 120A(SX)	13.6	5.4	1.2	6.7	103.0	135.4*	127.7*	122.0*
ACCO PAYMASTER UC 8201(SX)	2.5	11.1	7.1	6.9	120.9	139.8*	103.0	121.2*
ASGROW RX909(SX)	6.9	6.5	2.1	5.1	98.1	148.6*	116.9	121.2*
TROJAN T1189(SX)	0.0	6.7	6.7	4.4	115.4	134.1	113.8	121.1*
FUNK'S G-4673(SPX)	5.1	14.5	20.8	13.4	121.1	126.8	114.0	120.6*
PIONEER 3090(DX)	4.1	17.6	1.3	7.6	120.5	136.1*	104.1	120.2*
LYNKS LX 4500(SX)	3.0	8.5	6.8	6.1	116.6	137.0*	106.5	120.0*
MACON 221(SX)	7.2	4.2	0.6	4.0	121.6	125.4	113.0	120.0*
GOLDEN HARVEST H2680(SX)	12.1	25.7	7.3	15.0	133.3*	121.3	103.0	119.2*
MFA 5802(SX)##	4.9	15.1	6.9	8.9	131.4*	127.4	97.3	118.7*
CALLISON CB90(SX)	7.1	25.7	5.5	12.7	126.3	112.7	116.6	118.5*
GROWERS 2300(SX)	7.6	25.4	5.2	12.7	122.4	140.2*	89.5	117.3
FUNK'S G-4606(SPX)	11.7	6.8	11.8	10.1	115.2	146.8*	88.0	116.6
PRINCETON SX870(SX)	6.5	6.4	4.6	5.8	110.8	136.7*	101.5	116.3
DEKALB XL74B(SX)	12.3	27.9	10.8	17.0	128.1	108.1	112.4	116.2
STAUFFER SEEDS 7795(SX)	0.0	21.7	2.0	7.9	129.1*	116.7	101.2	115.6
LEWIS X74B(SX)	8.0	7.4	1.3	5.5	116.3	134.8*	95.7	115.6
CARGILL 949(SX)	5.5	14.5	12.8	10.9	111.9	135.9*	98.0	115.2
GOLD TAG 4022(SX)	8.5	24.0	5.4	12.6	117.0	116.9	109.6	114.5
DEKALB XL72B(SX)##	10.2	2.5	1.8	4.8	96.7	143.8*	102.8	114.4
LEWIS X58B(SX)	12.1	7.1	4.5	7.9	101.7	130.4	107.5	113.2
ASGROW RX777(SX)	12.5	19.7	5.2	12.4	120.1	128.9	89.1	112.7
NC+ 8331(SX)	4.0	17.5	3.9	8.4	107.8	125.1	105.0	112.6
AMERICANA 4100(SX)	11.8	4.4	15.7	10.6	112.8	138.7*	84.0	111.8
TROJAN TXS115A(SX)	6.5	21.7	7.3	11.8	114.1	119.8	99.4	111.1
MCCURDY 7676(SX)	0.0	25.1	7.1	10.7	116.9	101.6	114.7	111.0
LEWIS X53B(SX)	3.9	12.3	11.0	9.0	118.8	129.9	83.4	110.7
STAUFFER SEEDS 58818(SX)	17.4	34.1	9.8	20.4	111.9	121.8	96.0	109.9
TAYLOR-EVANS T-E 6995-A(SX)	8.6	13.8	5.6	9.3	107.2	126.3	93.1	108.8
MACON 420(SX)	8.4	31.7	5.9	15.3	116.1	92.9	116.3	108.4
ACCO PAYMASTER UC 7601(SX)	1.5	3.7	16.8	7.3	97.7	145.2*	81.1	108.0
TROJAN T1200(SX)	9.8	9.5	1.3	6.8	103.1	119.2	101.7	108.0
SUPER CROST 80052(SX)	3.2	18.3	36.7	19.4	117.4	131.2	72.1	106.9

TABLE 10. CONTINUED.

BRAND-HYBRID	LODGING (%)				YIELD (BU/ACRE)			
	MARSHAL	COLUMBA	WELDNSP	MEAN	MARSHAL	COLUMBA	WELDNSP	MEAN
LEWIS X81B(SX)	5.0	16.8	15.2	12.3	112.5	117.2	90.1	106.6
PRINCETON SX910(SX)#	5.6	22.4	7.3	11.7	111.9	106.2	101.0	106.3
DEKALB XL70(SX)	8.4	32.5	2.4	14.4	127.4	109.0	80.9	105.7
DEKALB XL81(SX)##	9.4	3.2	1.4	4.6	86.0	125.6	104.4	105.3
NC+ 59(SX)##	1.3	18.7	9.0	9.6	104.3	111.7	99.8	105.2
CARGILL 951(SX)	10.9	29.1	6.8	15.6	98.8	112.7	103.8	105.1
TROJAN T1100(SX)	3.7	6.5	4.6	4.9	98.0	129.1	85.7	104.2
MFA 6708(SX)	6.0	32.8	29.5	22.7	114.2	107.0	91.3	104.1
PREMIUM EK8865(SPX)	10.2	11.5	10.9	10.8	105.0	122.5	84.4	103.9
PIONEER 3382(SX)	5.8	7.9	7.7	7.1	92.8	131.1	84.7	102.8
DEKALB XL372(SX)##	10.8	2.2	1.4	4.8	93.8	126.1	88.1	102.6
FEDERAL FX39(SX)	2.1	3.6	5.9	3.8	105.3	129.5	71.9	102.2
MFA 5903(SPX)##	3.2	37.6	10.9	17.2	99.3	101.1	103.1	101.1
MFA 6707(SX)	6.4	25.6	24.7	18.9	107.4	93.0	101.5	100.6
AMERICANA 4500(SX)	10.5	33.1	7.0	16.8	105.6	102.7	90.5	99.6
HAPPEL 3361A(SX)	8.8	18.8	17.7	15.1	100.1	118.9	75.6	98.2
TAYLOR-EVANS T-E 6945(SX)	18.7	7.4	9.1	11.7	72.8	119.9	98.9	97.2
PAG SX 98(SX)##	11.3	2.5	12.5	8.7	100.5	116.4	73.0	96.6
PREMIUM EK9920(SX)	6.9	21.5	4.1	10.8	95.4	101.7	91.4	96.1
ASGROW RX98(SX)	3.5	13.1	10.1	8.9	99.0	120.6	67.6	95.7
LEWIS X52B(SX)	28.7	21.8	6.7	19.0	93.7	96.9	91.8	94.1
DEKALB XL75(SX)	15.5	7.9	8.0	10.4	88.1	108.7	85.5	94.1
STAUFFER SEEDS SUPER 14(SX)	18.8	16.6	25.7	20.3	96.2	103.3	79.1	92.8
US-13(DX)	36.5	38.4	23.1	32.6	79.2	68.6	66.4	71.4
MATURITY GROUP 3								
MCCURDY 8150(SX)	6.9	17.2	4.6	9.5	121.5	132.7	142.2**	132.1*
PIONEER 3184(SX)	6.4	10.5	2.4	6.4	128.8*	153.1*	109.7	130.5*
PAG SX 351(SX)	2.6	17.5	5.0	8.3	135.0*	151.4*	81.7	122.7*
TROJAN T1230(SX)	6.4	13.2	14.8	11.4	135.8*	133.0	97.3	122.0*
AMERICANA 4808(SX)	7.7	19.5	23.4	16.8	118.5	156.7*	90.5	121.9*
LYNKS LX 4545(SX)	7.3	27.2	11.9	15.4	127.9	135.5*	99.4	120.9*
STAUFFER SEEDS 818(SX)	7.4	24.1	5.1	12.2	128.9*	105.1	119.8	117.9
NORTHROP KING PX87(SX)	9.6	20.6	10.2	13.4	124.5	123.4	101.4	116.4
AMERICANA 4730(SX)	6.9	13.4	4.4	8.2	108.1	145.5*	95.5	116.3
ACCO PAYMASTER UC 8951(SX)	8.6	19.3	4.9	10.9	115.5	128.4	103.2	115.7
PAG SX 333(SX)	2.9	7.3	22.1	10.7	117.2	127.6	101.0	115.2
USS 2020(SX)	5.9	18.5	9.2	11.2	121.7	110.0	95.6	109.1
PIONEER 3320(MSX)	4.5	17.0	5.4	8.9	99.3	120.2	106.1	108.5
ZIMMERMAN Z14W(SX)#	2.8	19.4	5.3	9.1	110.9	117.2	94.3	107.4
PAG SX 373(SX)	9.5	18.3	9.2	12.3	112.7	108.9	97.8	106.4
GROWERS 2340(SX)	15.5	30.2	2.7	16.1	108.0	114.2	94.1	105.4
AMERICANA 6700(SX)	9.7	18.9	8.8	12.4	99.8	111.2	78.5	96.5
ZIMMERMAN Z54W(SX)#	5.2	26.8	22.4	18.1	87.9	103.8	93.4	95.0
MATURITY GROUP 4								
NORTHROP KING PX95(SX)	25.2	14.9	29.4	23.1	123.8	139.3*	92.4	118.5*

TRIAL AVERAGE	8.1	15.8	8.6	10.8	112.9	124.6	97.7	111.7
L.S.D. AT .05					20.7	24.9	20.5	15.1

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 11. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR CAPE GIRARDEAU ON THE LORBERG FARMS
 IN 1981.
 PLANTED: 1 APRIL 1981 HARVESTED: 4 SEPTEMBER 1981. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD	
	(#/ACRE)	(%)	1981	(%)	1981	(BU/ACRE)	
MATURITY GROUP 1							
DEKALB XL67(SX)	19100	18.7	2.4	--	--	174.3	--
FUNKS G-4507(SX)##	20900	19.3	4.1	--	--	171.9	--
NORTHROP KING PX9573(SPX)	19200	18.0	3.9	--	--	166.2	--
MASTER CHOICE MC 630(SX)	21500	23.0	4.7	--	--	164.9	--
BURRUS BX21(SX)	19400	21.7	1.3	--	--	163.9	--
DEKALB XL72AA(SX)##	19400	21.3	1.6	--	--	162.7	--
RING AROUND RA 1604(SX)	20500	22.5	2.2	--	--	161.7	--
FUNK'S G-4522(MSX)	19500	22.6	2.5	--	--	157.2	--
CARGILL 921(SX)	18300	20.3	7.3	--	--	157.0	--
RING AROUND RA 1502(SX)	19300	22.9	1.4	--	--	155.6	--
SUPER CROST 4337(SX)	18800	21.6	4.1	--	--	154.0	--
NORTHROP KING PX74(SX)	19300	22.0	3.2	--	--	150.8	--
DEKALB XL72C(SX)	20500	20.6	4.1	--	--	149.9	--
DEKALB XL73(SX)	20600	19.3	6.8	--	--	149.4	--
GOLDEN HARVEST H2500(SX)##	18300	19.4	5.8	--	--	143.6	--
O'S GOLD EXP 25701(SX)	17500	19.9	8.1	--	--	147.9	--
SUPER CROST 5440(SX)	18000	20.7	3.2	--	--	146.5	--
MASTER CHOICE MC 600(SX)	18800	22.8	8.5	--	--	141.5	--
MFA 5104(SX)	17300	23.2	5.2	--	--	141.3	--
TAYLOR-EVANS T-E 6995(SX)	16300	22.8	1.8	--	--	132.4	--
GROWERS GSA 2120(SX)	18000	23.9	6.9	--	--	125.8	--
MATURITY GROUP 2							
O'S GOLD 5509(SX)	17800	22.1	3.7	--	--	201.5**	--
PRINCETON SX870(SX)	17800	24.6	4.4	--	--	198.7*	--
PREMIUM EK9920(SX)	20100	21.6	2.3	--	--	198.3*	--
STAUFFER SEEDS S8818(SX)	21200	21.8	5.5	--	--	187.1*	--
CARGILL 967(SX)	20100	21.0	2.1	--	--	182.1*	--
LEWIS X81B(SX)	20000	23.3	3.1	--	--	182.0*	--
LEWIS X74B(SX)	20700	20.5	1.5	--	--	179.2*	--
GOLD TAG 4022(SX)	17700	23.8	4.8	--	--	177.7*	--
LYNKS LX 4500(SX)	19900	19.3	2.8	--	--	177.7*	--
DEKALB XL74B(SX)	19300	20.5	10.7	--	--	176.6*	--
GOLDEN HARVEST H2680(SX)	21100	22.0	1.3	--	--	172.8	--
FUNK'S G-4689(SPX)	18700	20.5	0.0	--	--	171.7	--
STAUFFER SEEDS SUPER 14(SX)	17200	21.6	3.0	--	--	167.9	--
PIONEER 3186(SX)	23000	24.1	0.4	--	--	167.3	--
SUPER CROST 80052(SX)	19100	21.5	5.2	--	--	164.8	--
FUNK'S G-4606(SPX)	21400	21.0	2.2	--	--	163.9	--
PIONEER 3382(SX)	20900	23.1	2.2	--	--	162.6	--
MCCURDY 84AA(SX)	20400	22.6	7.5	--	--	162.4	--
FUNK'S G-4673(SPX)	21100	22.7	6.3	--	--	162.2	--
STAUFFER SEEDS 802(SX)	19000	21.9	1.9	--	--	162.1	--
DEKALB XL72B(SX)##	20000	22.8	0.8	--	--	161.8	--
O'S GOLD 5291(SX)	19800	23.2	4.2	--	--	160.0	--
LEWIS X53B(SX)	20500	24.4	0.9	--	--	159.2	--
TROJAN T1100(SX)	19600	22.6	2.4	--	--	158.4	--
STAUFFER SEEDS 114+(SX)	19200	21.0	5.5	--	--	158.0	--
COKER 16(SPX)	19400	19.8	10.7	--	--	155.6	--
MFA 5903(SPX)##	20500	19.0	12.5	--	--	155.3	--
PRINCETON SX910(SX)##	21800	25.5	6.3	--	--	154.7	--
TROJAN T1189(SX)	19200	22.0	0.0	--	--	152.7	--
COKER 19A(SPX)	20700	20.8	3.6	--	--	151.7	--
BURRUS BX39(SX)	19400	22.8	6.5	--	--	151.2	--
TAYLOR-EVANS T-E 6995-A(SX)	18600	22.6	2.5	--	--	149.2	--
STAUFFER SEEDS 7795(SX)	18500	22.6	5.3	--	--	149.1	--
STAUFFER SEEDS 120A(SX)	17900	23.3	2.7	--	--	149.0	--
DEKALB XL81(SX)##	18100	22.6	1.5	--	--	147.8	--
GROWERS 2300(SX)	18200	19.8	5.7	--	--	147.3	--
GOLDEN HARVEST H2686(SX)	21400	23.3	27.1	--	--	147.1	--
DEKALB XL75(SX)	17600	20.0	10.5	--	--	146.9	--
TROJAN TXS115A(SX)	19300	21.5	2.5	--	--	146.4	--
TROJAN T1200(SX)	20700	23.1	6.9	--	--	144.1	--
LEWIS X58B(SX)	20300	21.2	0.9	--	--	144.0	--
LYNKS LX 4480(SX)	17200	23.2	3.6	--	--	143.9	--
MFA 5802(SX)##	18400	20.7	2.5	--	--	142.3	--
FEDERAL FX39(SX)	18900	22.8	1.9	--	--	141.9	--
COKER 19(SX)	18900	20.6	2.8	--	--	141.1	--
PIONEER 3183(SX)##	21000	21.6	13.0	--	--	140.8	--
TAYLOR-EVANS T-E 6945(SX)	16000	21.2	1.1	--	--	138.3	--
NC+ 59(SX)##	18500	20.7	7.6	--	--	137.3	--
MFA 6707(SX)	18700	24.0	25.8	--	--	133.2	--
MFA 6708(SX)	18000	24.8	33.8	--	--	132.2	--
DEKALB XL372(3X)##	18600	21.7	1.5	--	--	131.5	--
CARGILL 949(SX)	19300	22.8	6.4	--	--	129.5	--
PREMIUM EK8865(SPX)	17900	20.8	6.9	--	--	126.5	--
ACCO PAYMASTER UC 7601(SX)	15900	25.1	7.2	--	--	122.6	--
ACCO PAYMASTER UC 8201(SX)	16600	21.3	5.7	--	--	121.1	--
PAG SX 98(SX)##	17200	20.6	8.2	--	--	114.6	--
US-13(DX)	19400	20.1	27.6	--	--	108.5	--

TABLE 11. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING		YIELD	
	(#/ACRE)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)
	1981	1981	1981		1981	
Maturity Group 3						
PIONEER 3184(SX)	22000	21.3	0.4	--	197.4*	--
TROJAN T1230(SX)	21300	21.5	4.5	--	195.4*	--
COKER 21(SX)	18700	23.5	6.6	--	189.7*	--
COKER 22(SX)	20500	21.1	7.8	--	188.5*	--
PAG SX 373(SX)	21600	23.0	5.5	--	188.2*	--
MCCURDY 8150(SX)	23100	21.0	4.1	--	187.7*	--
NORTHROP KING PX87(SX)	20500	22.4	6.7	--	177.9*	--
PAG SX 351(SX)	20700	23.6	0.0	--	172.0	--
LYNKS LX 4545(SX)	21500	19.8	1.8	--	168.3	--
GROWERS 2340(SX)	20800	21.9	8.3	--	166.9	--
STAUFFER SEEDS 818(SX)	22200	24.9	3.4	--	166.1	--
PAG SX 333(SX)	20000	20.1	1.4	--	165.6	--
ZIMMERMAN Z11W(SX)#	17200	21.9	24.2	--	158.0	--
ZIMMERMAN Z52W(3X)#	17500	21.0	10.3	--	157.4	--
ZIMMERMAN Z14W(SX)#	17200	25.2	2.5	--	153.7	--
ACCO PAYMASTER UC 8951(SX)	17300	23.5	3.3	--	145.4	--
PIONEER 3320(MSX)	17400	24.8	0.5	--	138.1	--
ZIMMERMAN Z54W(3X)#	18100	23.6	3.8	--	126.0	--
Maturity Group 4						
NORTHROP KING PX95(SX)	19100	20.4	3.5	--	189.1*	--
TRIAL AVERAGE						
L.S.D. AT .05	19300	21.9	5.4		157.3	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-GROW HYBRID.

WHITE HYBRID.

TABLE 12. PERFORMANCE OF CORN HYBRIDS EVALUATED NEAR PORTAGEVILLE ON THE DELTA RESEARCH CENTER IN 1981. PLANTED: 2 APRIL 1981. HARVESTED: 9 SEPTEMBER 1981. PLANTED POPULATION: 23000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD	
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	
	1981	1981	1981			1981	
MATURITY GROUP 1							
RING AROUND RA 1604(SX)	18800	16.4	1.0	--	--	106.5	--
RING AROUND RA 1502(SX)	16500	16.0	2.2	--	--	106.0	--
O'S GOLD EXP 25701(SX)	19200	14.7	4.4	--	--	102.3	--
MFA 5104(SX)	17200	13.5	1.5	--	--	100.0	--
MASTER CHOICE MC 600(SX)	14200	16.9	2.7	--	--	99.7	--
NORTHROP KING PX74(SX)	18000	16.4	2.3	--	--	99.0	--
FUNKS G-4507(SX)##	18400	15.3	2.5	--	--	97.8	--
SUPER CROST 5440(SX)	15800	15.6	1.3	--	--	96.7	--
DEKALB XL72AA(SX)##	17800	14.3	2.8	--	--	96.4	--
DEKALB XL73(SX)	18000	15.4	2.6	--	--	96.3	--
CARGILL 921(SX)	17200	15.2	2.3	--	--	96.3	--
TAYLOR-EVANS T-E 6995(SX)	16500	16.6	2.5	--	--	93.9	--
DEKALB XL67(SX)	17800	16.1	2.0	--	--	93.3	--
NORTHROP KING PX9573(SPX)	16000	15.0	1.7	--	--	85.2	--
DEKALB XL72C(SX)	16500	14.6	3.8	--	--	85.0	--
GOLDEN HARVEST H2500(SX)##	17200	16.0	5.8	--	--	84.3	--
MASTER CHOICE MC 630(SX)	18400	14.3	0.5	--	--	83.4	--
FUNK'S G-4522(MSX)	14600	16.1	3.4	--	--	82.9	--
SUPER CROST 4337(SX)	17800	16.2	2.7	--	--	82.2	--
BURRUS BX21(SX)	17700	15.8	2.1	--	--	80.9	--
GROWERS GSA 2120(SX)	14100	15.9	3.7	--	--	74.9	--
MATURITY GROUP 2							
O'S GOLD 5291(SX)	20200	15.1	3.5	--	--	123.9**	--
FUNK'S G-4673(SPX)	17900	14.2	2.0	--	--	111.8**	--
MFA 6708(SX)	14200	15.4	4.0	--	--	109.7**	--
LYHKS LX 4500(SX)	16800	17.3	2.4	--	--	109.1**	--
MCCURDY 84AA(SX)	17700	18.0	6.2	--	--	108.5**	--
TROJAN TXS115A(SX)	16600	15.6	0.5	--	--	107.5**	--
ACCO PAYMASTER UC 7601(SX)	16900	16.1	4.9	--	--	105.1	--
SUPER CROST 80052(SX)	16000	15.5	3.0	--	--	105.1	--
TROJAN T1200(SX)	17000	16.4	2.5	--	--	105.0	--
O'S GOLD 5509(SX)	19100	16.7	4.2	--	--	104.5	--
NC+ 59(SX)##	17900	17.3	3.3	--	--	104.5	--
COKER 19A(SPX)	18000	17.3	7.5	--	--	103.7	--
STAUFFER SEEDS 7795(SX)	18100	16.6	1.6	--	--	103.2	--
GOLDEN HARVEST H2680(SX)	16900	19.5	1.2	--	--	102.9	--
STAUFFER SEEDS 802(SX)	16500	16.8	4.5	--	--	102.7	--
LEWIS X74B(SX)	15600	16.5	4.2	--	--	102.7	--
STAUFFER SEEDS 114+(SX)	17200	16.7	3.4	--	--	101.5	--
CARGILL 949(SX)	16700	15.0	2.3	--	--	100.0	--
MFA 5903(SPX)##	17200	16.0	3.2	--	--	100.0	--
DEKALB XL75(SX)	17100	16.5	0.4	--	--	99.8	--
LEWIS X81B(SX)	16900	16.7	4.5	--	--	99.6	--
PRINCETON SX370(SX)	16300	16.6	1.7	--	--	99.3	--
FEDERAL FX39(SX)	17700	16.9	3.4	--	--	98.9	--
GOLD TAG 4022(SX)	19000	16.9	1.6	--	--	98.6	--
CARGILL 967(SX)	18000	14.9	0.5	--	--	98.5	--
GOLDEN HARVEST H2686(SX)	15300	16.0	0.7	--	--	98.4	--
TROJAN T1189(SX)	16600	16.5	2.4	--	--	97.9	--
STAUFFER SEEDS SUPER 14(SX)	15400	15.0	2.7	--	--	96.6	--
STAUFFER SEEDS 120A(SX)	15800	16.7	2.9	--	--	95.4	--
DEKALB XL81(SX)##	17200	15.8	2.6	--	--	94.6	--
PRINCETON SX910(SX)#	17100	17.2	1.9	--	--	93.9	--
COKER 19(SX)	17300	16.9	2.1	--	--	93.9	--
DEKALB XL74B(SX)	17000	17.6	3.2	--	--	93.6	--
MFA 6707(SX)	17100	16.6	0.5	--	--	93.3	--
BURRUS BX39(SX)	15600	16.2	3.1	--	--	92.4	--
PIONEER 3186(SX)	17800	17.4	0.4	--	--	92.3	--
GROWERS 2300(SX)	15100	16.4	6.8	--	--	92.0	--
DEKALB XL72B(SX)##	15900	14.5	1.8	--	--	91.7	--
STAUFFER SEEDS 58818(SX)	16700	19.1	4.3	--	--	91.1	--
LYHKS LX 4480(SX)	14800	14.7	3.4	--	--	90.8	--
FUNK'S G-4689(SPX)	16800	14.4	1.1	--	--	90.6	--
PIONEER 3183(SX)##	17900	15.5	1.0	--	--	90.5	--
PREMIUM EK9920(SX)	15700	16.2	1.2	--	--	90.5	--
ACCO PAYMASTER UC 8201(SX)	17500	15.3	4.3	--	--	90.4	--
TAYLOR-EVANS T-E 6995-A(SX)	16200	16.5	1.6	--	--	90.4	--
PREMIUM EK8365(SPX)	14800	15.1	1.9	--	--	90.1	--
MFA 5802(SX)##	16300	16.3	2.9	--	--	89.3	--
LEWIS X53B(SX)	17500	15.4	1.0	--	--	87.8	--
LEWIS X53B(SX)	17400	16.0	3.2	--	--	87.8	--
FUNK'S G-4606(SPX)	17000	16.8	3.0	--	--	87.6	--
PAG SX 98(SX)##	16500	15.7	4.3	--	--	86.8	--
COKER 16(SPX)	18500	16.0	3.7	--	--	85.7	--
PIONEER 3382(SX)	18600	15.1	2.5	--	--	84.9	--
US-13(DX)	15400	15.1	8.1	--	--	74.8	--
DEKALB XL372(CX)##	17400	17.0	3.2	--	--	72.5	--
TROJAN T1100(SX)	17500	15.5	0.6	--	--	71.5	--
TAYLOR-EVANS T-E 6945(SX)	13700	14.8	4.7	--	--	66.8	--

TABLE 12. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING		YIELD	
	(#/ACRE)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)
	1981	1981	1981		1981	
Maturity Group 3						
COKER 21(SX)	17300	16.8	3.2	--	--	122.6*
STAUFFER SEEDS 818(SX)	15500	17.9	0.5	--	--	109.9*
LYNKS LX 4545(SX)	17200	18.0	1.0	--	--	108.0*
GROWERS 2340(SX)	17700	16.6	1.0	--	--	107.8*
NORTHROP KING PX87(SX)	19100	16.1	1.4	--	--	107.8*
PIONEER 3184(SX)	19200	16.8	1.6	--	--	107.4*
MCCURDY 8150(SX)	19500	16.3	1.4	--	--	106.1
ACCO PAYMASTER UC 8951(SX)	20200	15.0	3.6	--	--	102.8
ZIMMERMAN Z11W(SX)#	19800	15.9	1.9	--	--	101.0
PIONEER 3320(MSX)	17200	14.9	1.1	--	--	99.0
PAG SX 351(SX)	17500	15.6	2.8	--	--	98.5
COKER 22(3X)	17600	17.1	1.7	--	--	96.9
ZIMMERMAN Z52W(SX)#	20000	18.1	4.1	--	--	91.1
ZIMMERMAN Z14W(SX)#	17200	16.2	3.2	--	--	90.0
PAG SX 373(SX)	18600	16.8	1.8	--	--	82.6
TROJAN T1230(SX)	17000	16.7	1.6	--	--	80.7
ZIMMERMAN Z54W(SX)#	14500	15.8	0.5	--	--	80.1
PAG SX 333(SX)	17800	16.3	4.2	--	--	77.5
Maturity Group 4						
NORTHROP KING PX95(SX)	17600	17.2	1.6	--	--	95.3
TRIAL AVERAGE						
	17100	16.1	2.6			95.4
L.S.D. AT .05						
						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-GROW HYBRID.

WHITE HYBRID.

TABLE 13. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT TWO SOUTHEAST MISSOURI LOCATIONS
(CAPE GIRARDEAU AND PORTAGEVILLE) IN 1981.
PLANTED POPULATION: 23000.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	CAPEGD	PORTAGV	MEAN	CAPEGD	PORTAGV	MEAN		
MATURITY GROUP 1								
FUNKS G-4507(SX)##	4.1	2.5	--	3.3	171.9	97.8	--	134.8
RING AROUND RA 1604(SX)	2.2	1.0	--	1.6	161.7	106.5	--	134.1
DEKALB XL67(SX)	2.4	2.0	--	2.2	174.3	93.3	--	133.8
RING AROUND RA 1502(SX)	1.4	2.2	--	1.8	155.6	106.0	--	130.8
DEKALB XL72AA(SX)##	1.6	2.8	--	2.2	162.7	96.4	--	129.5
CARGILL 921(SX)	7.3	2.3	--	4.8	157.0	96.3	--	126.6
NORTHRUP KING PX9573(SPX)	3.9	1.7	--	2.8	166.2	85.2	--	125.7
O'S GOLD EXP 25701(SX)	8.1	4.4	--	6.2	147.9	102.3	--	125.1
NORTHRUP KING PX74(SX)	3.2	2.3	--	2.7	150.8	99.0	--	124.9
MASTER CHOICE MC 630(SX)	4.7	0.5	--	2.6	164.9	83.4	--	124.1
DEKALB XL73(SX)	6.8	2.6	--	4.7	149.4	96.3	--	122.8
BURRUS BX21(SX)	1.3	2.1	--	1.7	163.9	80.9	--	122.4
SUPER CROST 5440(SX)	3.2	1.3	--	2.2	146.5	96.7	--	121.6
MFA 5104(SX)	5.2	1.5	--	3.3	141.3	100.0	--	120.6
MASTER CHOICE MC 600(SX)	8.5	2.7	--	5.6	141.5	99.7	--	120.6
FUNK'S G-4522(SX)	2.5	3.4	--	2.9	157.2	82.9	--	120.0
SUPER CROST 4337(SX)	4.1	2.7	--	3.4	154.0	82.2	--	118.1
DEKALB XL72C(SX)	4.1	3.8	--	3.9	149.9	85.0	--	117.4
GOLDEN HARVEST H2500(SX)##	5.8	5.8	--	5.8	148.6	84.3	--	116.4
TAYLOR-EVANS T-E 6995(SX)	1.8	2.5	--	2.1	132.4	93.9	--	113.1
GROWERS GSA 2120(SX)	6.9	3.7	--	5.3	125.8	74.9	--	100.3
MATURITY GROUP 2								
O'S GOLD 5509(SX)	3.7	4.2	--	3.9	201.5**	104.5	--	153.0*
PRINCETON SX870(SX)	4.4	1.7	--	3.0	198.7*	99.3	--	149.0*
PREMIUM EK9920(SX)	2.3	1.2	--	1.7	198.3*	90.5	--	144.4*
LYNKS LX 4500(SX)	2.8	2.4	--	2.6	177.7*	109.1*	--	143.4*
O'S GOLD 5291(SX)	4.2	3.5	--	3.8	160.0	123.9**	--	141.9*
LEWIS X74B(SX)	1.5	4.2	--	2.8	179.2*	102.7	--	140.9*
LEWIS X81B(SX)	3.1	4.5	--	3.8	182.0*	99.6	--	140.8*
CARGILL 967(SX)	2.1	0.5	--	1.3	182.1*	98.5	--	140.3*
STAUFFER SEEDS S8818(SX)	5.5	4.3	--	4.9	187.1*	91.1	--	139.1*
GOLD TAG 4022(SX)	4.8	1.6	--	3.2	177.7*	98.6	--	138.1*
GOLDEN HARVEST H2680(SX)	1.3	1.2	--	1.2	172.8	102.9	--	137.8*
FUNK'S G-4673(SPX)	6.3	2.0	--	4.1	162.2	111.8*	--	137.0
MCCURDY 84AA(SX)	7.5	6.2	--	6.8	162.4	108.5*	--	135.4
DEKALB XL74B(SX)	10.7	3.2	--	6.9	176.6*	93.6	--	135.1
SUPER CROST 80052(SX)	5.2	3.0	--	4.1	164.8	105.1	--	134.9
STAUFFER SEEDS 802(SX)	1.9	4.5	--	3.2	162.1	102.7	--	132.4
STAUFFER SEEDS SUPER 14(SX)	3.0	2.7	--	2.8	167.9	96.6	--	132.2
FUNK'S G-4689(SPX)	0.0	1.1	--	0.5	171.7	90.6	--	131.1
PIONEER 3186(SX)	0.4	0.4	--	0.4	167.3	92.3	--	129.8
STAUFFER SEEDS 114+(SX)	5.5	3.4	--	4.4	158.0	101.5	--	129.7
COKER 19A(SPX)	3.6	7.5	--	5.5	151.7	103.7	--	127.7
MFA 5903(SPX)##	12.5	3.2	--	7.8	155.3	100.0	--	127.6
TROJAN TXS115A(SX)	2.5	0.5	--	1.5	146.4	107.5*	--	126.9
DEKALB XL72B(SX)##	0.8	1.8	--	1.3	161.8	91.7	--	126.7
STAUFFER SEEDS 7795(SX)	5.3	1.6	--	3.4	149.1	103.2	--	126.1
FUNK'S G-4606(SPX)	2.2	3.0	--	2.6	163.9	87.6	--	125.7
TROJAN T1189(SX)	0.0	2.4	--	1.2	152.7	97.9	--	125.3
TROJAN T1200(SX)	6.9	2.5	--	4.7	144.1	105.0	--	124.5
PRINCETON SX910(SX)#	6.3	1.9	--	4.1	154.7	93.9	--	124.3
PIONEER 3382(SX)	2.2	2.5	--	2.3	162.6	84.9	--	123.7
LEWIS X53B(SX)	0.9	1.0	--	0.9	159.2	87.8	--	123.5
DEKALB XL75(SX)	10.5	0.4	--	5.4	146.9	99.8	--	123.3
GOLDEN HARVEST H2686(SX)	27.1	0.7	--	13.9	147.1	98.4	--	122.7
STAUFFER SEEDS 120A(SX)	2.7	2.9	--	2.8	149.0	95.4	--	122.2
BURRUS BX39(SX)	6.5	3.1	--	4.8	151.2	92.4	--	121.8
DEKALB XL81(SX)##	1.5	2.6	--	2.0	147.8	94.6	--	121.2
NC+ 59(SX)##	7.6	3.3	--	5.4	137.3	104.5	--	120.9
MFA 6708(SX)	33.8	4.0	--	18.9	132.2	109.7*	--	120.9
COKER 16(SPX)	10.7	3.7	--	7.2	155.6	85.7	--	120.6
FEDERAL FX39(SX)	1.9	3.4	--	2.6	141.9	98.9	--	120.4
TAYLOR-EVANS T-E 6995-A(SX)	2.5	1.6	--	2.0	149.2	90.4	--	119.8
GROWERS 2300(SX)	5.7	6.8	--	6.2	147.3	92.0	--	119.6
COKER 19(SX)	2.8	2.1	--	2.4	141.1	93.9	--	117.5
LYNKS LX 4480(SX)	3.6	3.4	--	3.5	143.9	90.8	--	117.3
LEWIS X58B(SX)	0.9	3.2	--	2.0	144.0	87.8	--	115.9
MFA 5802(SX)##	2.5	2.9	--	2.7	142.3	89.3	--	115.8
PIONEER 3183(SX)##	13.0	1.0	--	7.0	140.8	90.5	--	115.6
TROJAN T1100(SX)	2.4	0.6	--	1.5	158.4	71.5	--	114.9
CARGILL 949(SX)	6.4	2.3	--	4.3	129.5	100.0	--	114.7
ACCO PAYMASTER UC 7601(SX)	7.2	4.9	--	6.0	122.6	105.1	--	113.8
MFA 6707(SX)	25.8	0.5	--	13.1	133.2	93.3	--	113.2
PREMIUM EK8865(SPX)	6.9	1.9	--	4.4	126.5	90.1	--	108.3
ACCO PAYMASTER UC 8201(SX)	5.7	4.3	--	5.0	121.1	90.4	--	105.7
TAYLOR-EVANS T-E 6945(SX)	1.1	4.7	--	2.9	138.3	66.8	--	102.5
DEKALB XL372(3X)##	1.5	3.2	--	2.3	131.5	72.5	--	102.0
PAG SX 98(SX)##	8.2	4.3	--	6.2	114.6	86.8	--	100.7
US-13(DX)	27.6	8.1	--	17.8	108.5	74.8	--	91.6

TABLE 13. CONTINUED.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	CAPEGD	PORTAGV	MEAN	CAPEGD	PORTAGV	MEAN		
MATURITY GROUP 3								
COKER 21(SX)	6.6	3.2	--	4.9	189.7*	122.6*	--	156.1**
PIONEER 3184(SX)	0.4	1.6	--	1.0	197.4*	107.4*	--	152.4**
MCCURDY 8150(SX)	4.1	1.4	--	2.7	187.7*	106.1	--	146.9*
NORTHROP KING PX87(SX)	6.7	1.4	--	4.0	177.9*	107.8*	--	142.8*
COKER 22(3X)	7.8	1.7	--	4.7	188.5*	96.9	--	142.7*
LYNKS LX 4545(SX)	1.8	1.0	--	1.4	168.3	108.0*	--	138.1*
STAUFFER SEEDS 818(SX)	3.4	0.5	--	1.9	166.1	109.9*	--	138.0*
TROJAN T1230(SX)	4.5	1.6	--	3.0	195.4*	80.7	--	138.0*
GROWERS 2340(SX)	8.3	1.0	--	4.6	166.9	107.8*	--	137.3
PAG SX 373(SX)	5.5	1.8	--	3.6	188.2*	82.6	--	135.4
PAG SX 351(SX)	0.0	2.8	--	1.4	172.0	98.5	--	135.2
ZIMMERMAN Z11W(SX)#	24.2	1.9	--	13.0	158.0	101.0	--	129.5
ZIMMERMAN Z52W(3X)#	10.3	4.1	--	7.2	157.4	91.1	--	124.2
ACCO PAYMASTER UC 8951(SX)	3.3	3.6	--	3.4	145.4	102.8	--	124.1
ZIMMERMAN Z14W(SX)#	2.5	3.2	--	2.8	153.7	90.0	--	121.8
PAG SX 333(SX)	1.4	4.2	--	2.8	165.6	77.5	--	121.5
PIONEER 3320(MSX)	0.5	1.1	--	0.8	138.1	99.0	--	118.5
ZIMMERMAN Z54W(3X)#	3.8	0.5	--	2.1	126.0	80.1	--	103.0
MATURITY GROUP 4								
NORTHROP KING PX95(SX)	3.5	1.6	--	2.5	189.1*	95.3	--	142.2*
TRIAL AVERAGE								
	5.4	2.6		4.0	157.3	95.4		126.4
L.S.D. AT .05								
					26.6	17.0		18.5

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 14. PERFORMANCE OF CORN HYBRIDS EVALUATED UNDER IRRIGATION NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER IN 1979-81. PLANTED: 7 APRIL 1981. HARVESTED: 18 SEPTEMBER 1981. PLANTED POPULATION: 29000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(%)	(%)
	1981	1981	1981	1980	1979	1981	1980	1979
MATURITY GROUP 1								
MASTER CHOICE MC 630(SX)	24800	20.3	7.4	--	--	141.6*	--	--
DEKALB XL72AA(SX)##	25600	22.2	21.5	3.9	2.0	139.3*	47.8	184.5
RING AROUND RA 1502(SX)	23300	23.6	16.5	--	--	136.1*	--	--
SUPER CROST 5440(SX)	24400	21.0	18.4	--	5.9	135.3*	--	173.9
O'S GOLD EXP 25701(SX)	24200	21.0	19.5	--	--	134.0*	--	--
TAYLOR-EVANS T-E 6995(SX)	23400	21.0	10.2	3.6	4.1	132.7*	54.2	188.7
FUNKS G-4507(SX)##	26400	22.0	27.4	4.2	--	129.0*	70.2	--
SUPER CROST 4337(SX)	22700	19.8	3.2	--	--	127.4	--	--
BURRUS BX21(SX)	22300	19.3	4.9	--	--	125.9	--	--
GOLDEN HARVEST H2500(SX)##	22700	20.8	11.0	5.5	--	125.3	59.2	--
DEKALB XL73(SX)	24400	20.4	16.0	--	--	118.1	--	--
CARGILL 921(SX)	24900	20.1	19.4	--	--	118.0	--	--
NORTHRUP KING PX74(SX)	24000	21.9	34.1	3.4	--	117.4	63.7	--
FUNK'S G-4522(MSX)	24900	20.6	24.0	--	--	115.1	--	--
MFA 5104(SX)	23300	20.0	22.2	4.5	--	112.6	72.2	--
MASTER CHOICE MC 600(SX)	22200	22.5	31.7	--	--	108.4	--	--
DEKALB XL67(SX)	24600	21.6	31.0	--	--	98.7	--	--
NORTHRUP KING PX9573(SPX)	23700	21.1	27.3	--	--	91.0	--	--
MATURITY GROUP 2								
O'S GOLD 5291(SX)	23800	23.3	21.3	--	--	151.2**	--	--
LEWIS X74B(SX)	23400	23.3	25.9	3.4	1.7	150.1*	69.1	169.4
STAUFFER SEEDS S8818(SX)	22700	23.2	29.1	--	--	146.8*	--	--
PIONEER 3183(SX)##	24400	23.5	13.3	1.4	2.7	142.9*	74.3	193.0
STAUFFER SEEDS 802(SX)	23200	21.6	19.6	5.4	--	137.4*	97.4*	--
TAYLOR-EVANS T-E 6995-A(SX)	24400	22.8	23.4	2.0	--	136.7*	71.6	--
TROJAN T1189(SX)	24500	23.1	9.2	--	4.0	135.5*	--	182.7
PIONEER 3186(SX)	24800	22.3	21.8	--	--	134.7*	--	--
STAUFFER SEEDS 114+(SX)	24600	23.7	12.8	--	1.5	134.0*	--	182.7
PRINCETON SX870(SX)	21500	22.8	22.7	5.3	--	133.7*	71.4	--
GROWERS 2300(SX)	22500	22.5	24.8	--	--	128.8*	--	--
LYNKs LX 4500(SX)	22100	23.1	12.2	--	--	128.4	--	--
TROJAN T1100(SX)	24800	20.4	14.2	--	--	127.2	--	--
DEKALB XL72B(SX)##	22300	21.8	11.4	3.8	--	127.1	50.2	--
NC+ 59(SX)##	23100	22.6	26.8	2.7	3.5	126.7	76.1	203.2*
ACCO PAYMASTER UC 8201(SX)	24600	21.0	23.6	5.3	7.9	126.5	57.4	199.6
O'S GOLD 5509(SX)	23500	20.8	32.5	--	--	126.3	--	--
FEDERAL FX39(SX)	24300	21.2	28.5	--	--	125.9	--	--
ACCO PAYMASTER UC 7601(SX)	20600	20.7	8.3	--	--	123.9	--	--
MCCURDY 844A(SX)	22100	23.3	15.3	3.6	4.5	123.0	83.7	187.7
TROJAN TX5115A(SX)	23700	20.4	26.3	3.9	2.5	122.8	53.6	194.4
CARGILL 967(SX)	23900	21.3	30.8	3.7	7.1	120.2	63.4	192.1
TROJAN T1200(SX)	23500	21.8	28.2	--	--	117.2	--	--
FUNK'S G-4673(SPX)	26200	21.9	37.1	5.2	--	117.0	61.6	--
MFA 5903(SPX)##	26000	20.7	13.9	7.9	7.2	116.4	66.0	165.2
LEWIS X53B(SX)	26400	19.5	19.2	3.9	--	116.2	58.2	--
LEWIS X58B(SX)	21700	21.1	13.6	--	--	116.0	--	--
DEKALB XL74B(SX)	22900	22.6	40.6	--	--	116.0	--	--
PIONEER 3382(SX)	25700	20.3	20.6	3.6	--	115.9	71.0	--
TAYLOR-EVANS T-E 6945(SX)	23500	20.5	15.5	5.5	--	114.8	96.3*	--
PREMIUM EK8865(SPX)	22700	22.8	20.2	--	--	113.2	--	--
DEKALB XL75(SX)	22300	20.8	17.7	--	9.2	112.5	--	187.0
MFA 5802(SX)##	25400	21.7	35.6	5.9	3.7	111.7	58.0	195.5
STAUFFER SEEDS SUPER 14(SX)	22600	23.3	27.8	--	--	111.1	--	--
STAUFFER SEEDS 120A(SX)	23900	22.5	16.2	--	--	109.7	--	--
BURRUS BX39(SX)	24400	22.5	21.0	--	--	109.1	--	--
GOLD TAG 4022(SX)	22300	23.2	32.2	4.2	--	108.7	57.8	--
LEWIS X81B(SX)	23300	23.5	38.4	3.7	6.0	107.2	81.7	211.1*
FUNK'S G-4606(SPX)	26100	20.3	40.6	5.1	2.8	106.4	57.2	186.7
STAUFFER SEEDS 7795(SX)	19900	20.5	29.1	--	--	106.3	--	--
PREMIUM EK9920(SX)	20900	22.2	29.3	2.6	--	106.1	79.8	--
DEKALB XL81(SX)##	20800	22.7	6.9	4.9	--	104.7	59.9	--
DEKALB XL372(SX)##	29200	20.6	23.7	5.9	--	102.3	110.6**	--
PAG SX 98(SX)##	24000	23.5	27.0	5.2	--	101.2	74.5	--
SUPER CROST 80052(SX)	21100	21.7	21.6	--	--	100.3	--	--
GOLDEN HARVEST H2680(SX)	24900	23.0	28.6	--	--	99.6	--	--
CARGILL 949(SX)	22500	20.6	9.6	4.2	6.6	99.1	55.4	169.5
MFA 6708(SX)	19300	20.8	38.8	--	--	97.6	--	--
PRINCETON SX910(SX)##	27900	25.9	26.4	1.9	--	93.5	52.0	--
MFA 6707(SX)	24000	21.3	53.1	3.6	--	76.6	89.0*	--
US-13(DX)	23200	20.5	50.8	15.2	28.5	64.6	53.8	134.3
MATURITY GROUP 3								
ZIMMERMAN Z14W(SX)##	21400	24.1	27.1	--	--	138.6*	--	--
NORTHRUP KING PX87(SX)	23700	21.0	30.9	3.8	3.6	131.6*	72.4	189.2
PIONEER 3320(MSX)	22500	21.3	13.7	1.2	--	130.3*	75.1	--
PAG SX 351(SX)	24200	21.3	24.1	0.6	--	127.2	75.5	--
LYNKs LX 4545(SX)	26300	23.0	37.5	--	--	124.7	--	--
PIONEER 3184(SX)	28400	24.6	19.1	5.1	0.0	124.1	51.4	189.4

TABLE 14. CONTINUED.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1981	1981	1981	1980	1979	1981	1980	1979
PAG SX 333(SX)	26000	21.2	21.8	6.0	8.0	114.5	63.2	181.5
ACCO PAYMASTER UC 8951(SX)	25100	23.7	23.1	5.9	8.3	113.9	44.2	203.5*
GROWERS 2340(SX)	24500	23.3	28.0	--	--	113.3	--	--
STAUFFER SEEDS 818(SX)	22800	21.4	53.9	5.6	6.1	102.5	70.0	207.2*
MCCURDY 8150(SX)	23700	23.8	35.3	--	--	98.5	--	--
MATURITY GROUP 4								
NORTHRUP KING PX95(SX)	22300	25.0	16.6	5.1	12.9	120.6	83.7	205.7*
TRIAL AVERAGE	23700	21.8	23.6	4.3	6.2	118.8	66.8	184.5
L.S.D. AT .05						22.7	26.8	14.9

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 15. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT COLUMBIA UNDER IRRIGATED AND NON-IRRIGATED CONDITIONS IN 1981.
PLANTED POPULATIONS: NON-IRRIGATED 23000, IRRIGATED 29000.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	IRRIGAT	NON-IRR	MEAN	IRRIGAT	NON-IRR	MEAN		
MATURITY GROUP 1								
MASTER CHOICE MC 630(SX)	7.4	8.2	--	7.8	141.6*	140.8*	--	141.2*
O'S GOLD EXP 25701(SX)	19.5	7.8	--	13.6	134.0*	137.6*	--	135.8*
DEKALB XL73(SX)	16.0	2.4	--	9.2	118.1	152.0*	--	135.0*
DEKALB XL72AA(SX)##	21.5	5.6	--	13.5	139.3*	129.8	--	134.5*
RING AROUND RA 1502(SX)	16.5	18.9	--	17.7	136.1*	130.9	--	133.5*
TAYLOR-EVANS T-E 6995(SX)	10.2	14.0	--	12.1	132.7*	133.9	--	133.3
CARGILL 921(SX)	19.4	5.7	--	12.5	118.0	145.4*	--	131.7
SUPER CROST 5440(SX)	18.4	19.7	--	19.0	135.3*	123.7	--	129.5
BURRUS BX21(SX)	4.9	1.6	--	3.2	125.9	126.3	--	126.1
GOLDEN HARVEST H2500(SX)##	11.0	13.8	--	12.4	125.3	123.3	--	124.3
SUPER CROST 4337(SX)	3.2	28.1	--	15.6	127.4	113.5	--	120.4
FUNKS G-4507(SX)##	27.4	34.8	--	31.1	129.0*	111.7	--	120.3
NORTHRUP KING PX74(SX)	34.1	12.4	--	23.2	117.4	115.8	--	116.6
FUNK'S G-4522(MSX)	24.0	5.9	--	14.9	115.1	112.7	--	113.9
MFA 5104(SX)	22.2	23.1	--	22.6	112.6	108.2	--	110.4
MASTER CHOICE MC 600(SX)	31.7	24.2	--	27.9	108.4	109.1	--	108.7
NORTHRUP KING PX9573(SPX)	27.3	22.8	--	25.0	91.0	114.5	--	102.7
DEKALB XL67(SX)	31.0	26.8	--	28.9	98.7	102.3	--	100.5
MATURITY GROUP 2								
O'S GOLD 5291(SX)	21.3	7.4	--	14.3	151.2**	154.5*	--	152.8**
STAUFFER SEEDS 802(SX)	19.6	7.0	--	13.3	137.4*	147.9*	--	142.6*
LEWIS X74B(SX)	25.9	7.4	--	16.6	150.1*	134.8*	--	142.4*
DEKALB XL72B(SX)##	11.4	2.5	--	6.9	127.1	143.8*	--	135.4*
PRINCETON SX870(SX)	22.7	6.4	--	14.5	133.7*	136.7*	--	135.2*
TROJAN T1189(SX)	9.2	6.7	--	7.9	135.5*	134.1	--	134.8*
MCCURDY 84AA(SX)	15.3	6.3	--	10.8	123.0	146.5*	--	134.7*
ACCO PAYMASTER UC 7601(SX)	8.3	3.7	--	6.0	123.9	145.2*	--	134.5*
GROWERS 2300(SX)	24.8	25.4	--	25.1	128.8*	140.2*	--	134.5*
STAUFFER SEEDS S8818(SX)	29.1	34.1	--	31.6	146.8*	121.8	--	134.3*
STAUFFER SEEDS 114+(SX)	12.8	5.2	--	9.0	134.0*	134.7*	--	134.3*
ACCO PAYMASTER UC 8201(SX)	28.6	11.1	--	19.8	126.5	139.8*	--	135.1
LYNKS LX 4500(SX)	12.2	8.5	--	10.3	128.4	137.0*	--	132.7
TAYLOR-EVANS T-E 6995-A(SX)	23.4	13.8	--	18.6	136.7*	126.3	--	131.5
CARGILL 967(SX)	30.8	25.6	--	28.2	120.2	142.1*	--	131.1
PIONEER 3186(SX)	21.8	29.0	--	25.4	134.7*	121.7	--	128.2
TROJAN T1100(SX)	14.2	6.5	--	10.3	127.2	129.1	--	128.1
FEDERAL FX39(SX)	28.5	3.6	--	16.0	125.9	129.5	--	127.7
O'S GOLD 5509(SX)	32.5	25.9	--	29.2	126.3	127.5	--	126.9
FUNK'S G-4606(SPX)	40.6	6.8	--	23.7	106.4	146.8*	--	126.6
PIONEER 3183(SX)##	13.3	29.4	--	21.3	142.9*	109.3	--	126.1
PIONEER 3382(SX)	20.6	7.9	--	14.2	115.9	131.1	--	123.5
LEWIS X58B(SX)	13.6	7.1	--	10.3	116.0	130.4	--	123.2
LEWIS X53B(SX)	19.2	12.3	--	15.7	116.2	129.9	--	123.0
STAUFFER SEEDS 120A(SX)	16.2	5.4	--	10.8	109.7	135.4*	--	122.5
FUNK'S G-4673(SPX)	37.1	14.5	--	25.8	117.0	126.8	--	121.9
TROJAN TXS115A(SX)	26.3	21.7	--	24.0	122.8	119.8	--	121.3
MFA 5802(SX)##	35.6	15.1	--	25.3	111.7	127.4	--	119.5
NC+ 59(SX)##	26.8	18.7	--	22.7	126.7	111.7	--	119.2
BURRUS BX39(SX)	21.0	10.4	--	15.7	109.1	129.0	--	119.0
TROJAN T1200(SX)	28.2	9.5	--	18.8	117.2	119.2	--	118.2
PREMIUM EK8865(SPX)	20.2	11.5	--	15.8	113.2	122.5	--	117.8
CARGILL 949(SX)	9.6	14.5	--	12.0	99.1	135.9*	--	117.5
TAYLOR-EVANS T-E 6945(SX)	15.5	7.4	--	11.4	114.8	119.9	--	117.3
SUPER CROST 80052(SX)	21.6	18.3	--	19.9	100.3	131.2	--	115.7
DEKALB XL81(SX)##	6.9	3.2	--	5.0	104.7	125.6	--	115.1
DEKALB XL372(SX)##	23.7	2.2	--	12.9	102.3	126.1	--	114.2
GOLD TAG 4022(SX)	32.2	24.0	--	28.1	108.7	116.9	--	112.8
LEWIS X81B(SX)	38.4	16.8	--	27.6	107.2	117.2	--	112.2
DEKALB XL74B(SX)	40.6	27.9	--	34.2	116.0	108.1	--	112.0
STAUFFER SEEDS 7795(SX)	29.1	21.7	--	25.4	106.3	116.7	--	111.5
DEKALB XL75(SX)	17.7	7.9	--	12.8	112.5	108.7	--	110.6
GOLDEN HARVEST H2680(SX)	28.6	25.7	--	27.1	99.6	121.3	--	110.4
PAG SX 98(SX)##	27.0	2.5	--	14.7	101.2	116.4	--	108.8
MFA 5903(SPX)##	13.9	37.6	--	25.7	116.4	101.1	--	108.7
STAUFFER SEEDS SUPER 14(SX)	27.8	16.6	--	22.2	111.1	103.3	--	107.2
PREMIUM EK9920(SX)	29.3	21.5	--	25.4	106.1	101.7	--	103.9
MFA 6708(SX)	38.8	32.8	--	35.8	97.6	107.0	--	102.3
PRINCETON SX910(SX)#	26.4	22.4	--	24.4	93.5	106.2	--	99.8
MFA 6707(SX)	53.1	25.6	--	39.3	76.6	93.0	--	84.8
US-13(DX)	50.8	38.4	--	44.6	64.6	68.6	--	66.6
MATURITY GROUP 3								
PAG SX 351(SX)	24.1	17.5	--	20.8	127.2	151.4*	--	139.3*
PIONEER 3184(SX)	19.1	10.5	--	14.8	124.1	153.1*	--	138.6*
LYNKS LX 4545(SX)	37.5	27.2	--	32.3	124.7	135.5*	--	130.1
ZIMMERMAN Z14W(SX)#	27.1	19.4	--	23.2	138.6*	117.2	--	127.9
NORTHRUP KING PX87(SX)	30.9	20.6	--	25.7	131.6*	123.4	--	127.5
PIONEER 3320(MSX)	13.7	17.0	--	15.3	130.3*	120.2	--	125.2

TABLE 15. CONTINUED.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	IRRIGAT	NON-IRR	MEAN	IRRIGAT	NON-IRR	MEAN		
ACCO PAYMASTER UC 8951(SX)	23.1	19.3	--	21.2	113.9	128.4	--	121.1
PAG SX 333(SX)	21.8	7.3	--	14.5	114.5	127.6	--	121.0
MCCURDY 8150(SX)	35.3	17.2	--	26.2	98.5	132.7	--	115.6
GROWERS 2340(SX)	28.0	30.2	--	29.1	113.3	114.2	--	113.7
STAUFFER SEEDS 818(SX)	53.9	24.1	--	39.0	102.5	105.1	--	103.8
MATURITY GROUP 4								
NORTHRUP KING PX95(SX)	16.6	14.9	--	15.7	120.6	139.3*	--	129.9
TRIAL AVERAGE	23.6	15.8		19.6	118.8	124.6		121.9
L.S.D. AT .05					22.7	24.9		19.4

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 16. PERFORMANCE OF CORN HYBRIDS EVALUATED UNDER IRRIGATION NEAR PORTAGEVILLE ON THE DELTA RESEARCH CENTER IN 1979-81.
 PLANTED: 2 APRIL 1981. HARVESTED: 10 SEPTEMBER 1981. PLANTED POPULATION: 29000.

BRAND-HYBRID	PLANTS MOIST		LODGING			YIELD		
	(#/ACRE)	(%)	(%)			(BU/ACRE)		
	1981	1981	1981	1980	1979	1981	1980	1979
MATURITY GROUP 1								
GOLDEN HARVEST H2500(SX)##	22400	15.5	2.9	4.0	2.5	125.6*	8.9	113.3*
RING AROUND RA 1502(SX)	22900	18.0	1.7	--	--	124.0*	--	--
NORTHROP KING PX74(SX)	22600	17.3	2.4	5.4	--	121.5*	21.7	--
O'S GOLD EXP 25701(SX)	21500	15.3	4.2	--	--	116.7	--	--
FUNKS G-4507(SX)##	19300	16.3	4.0	4.1	4.2	113.4	12.4	129.1*
MFA 5104(SX)	19400	17.3	0.0	4.2	4.8	107.6	22.2	113.2*
NORTHROP KING PX9573(SPX)	18900	16.1	5.0	--	--	106.2	--	--
DEKALB XL72AA(SX)##	20500	16.5	1.2	2.0	5.0	106.0	15.7	115.5*
FUNK'S G-4522(MSX)	18200	17.2	3.2	--	--	105.8	--	--
DEKALB XL67(SX)	20600	16.7	2.4	--	--	105.6	--	--
MASTER CHOICE MC 600(SX)	17500	17.5	1.3	--	--	105.1	--	--
SUPER CROST 5440(SX)	20100	17.2	1.4	--	--	104.4	--	--
TAYLOR-EVANS T-E 6995(SX)	18200	17.1	3.0	5.1	4.1	103.4	17.8	120.9*
BURRUS BX21(SX)	21300	17.3	1.4	--	--	102.9	--	--
DEKALB XL73(SX)	22400	16.1	0.4	--	--	97.4	--	--
MASTER CHOICE MC 630(SX)	21000	17.8	0.9	--	--	95.5	--	--
CARGILL 921(SX)	20100	16.5	5.8	--	--	92.9	--	--
SUPER CROST 4337(SX)	17400	16.7	1.7	--	--	82.6	--	--
MATURITY GROUP 2								
STAUFFER SEEDS 114+(SX)	20600	17.5	1.9	--	5.0	140.2**	--	117.2*
GROWERS 2300(SX)	22900	17.3	1.1	--	5.2	131.8*	--	99.6
DEKALB XL74B(SX)	20300	16.6	0.9	--	--	129.9*	--	--
O'S GOLD 5291(SX)	23100	17.5	0.7	--	--	126.2*	--	--
MFA 5802(SX)##	20900	16.2	4.6	5.0	8.1	125.3*	21.8	113.0*
MFA 6707(SX)	21600	16.1	0.8	6.3	--	124.2*	38.1	--
STAUFFER SEEDS S8818(SX)	21900	17.3	0.4	--	--	119.7*	--	--
LEWIS X74B(SX)	18900	17.7	1.1	2.7	3.2	119.4*	18.0	111.6*
O'S GOLD 5509(SX)	20300	15.7	2.7	--	5.5	119.2*	--	123.3*
TROJAN TXS115A(SX)	21400	16.1	1.6	6.9	2.9	118.9*	17.3	116.8*
BURRUS BX39(SX)	18800	18.0	1.7	--	--	118.3*	--	--
PRINCETON SX870(SX)	17900	16.5	0.5	4.0	--	116.4	13.7	--
MFA 6708(SX)	19300	17.3	1.8	--	--	115.0	--	--
FEDERAL FX39(SX)	21200	16.8	2.3	--	--	114.8	--	--
FUNK'S G-4673(SPX)	22100	17.8	2.4	3.7	--	114.0	32.8	--
LYNKS LX 4500(SX)	22100	17.5	3.0	--	--	113.8	--	--
MCCURDY 84AA(SX)	21700	17.8	0.9	5.9	6.6	113.7	11.2	115.2*
TROJAN T1189(SX)	22400	17.1	1.7	--	4.5	113.3	--	112.5*
CARGILL 967(SX)	19100	15.0	0.0	2.1	5.4	111.7	26.2	131.0*
DEKALB XL72B(SX)##	20700	15.4	3.7	1.3	6.6	111.6	27.0	108.5*
LEWIS X81B(SX)	20900	17.8	1.6	6.0	2.9	111.4	20.4	95.8
MFA 5903(SPX)##	21900	16.0	0.4	3.4	4.8	110.9	19.2	108.0*
GOLD TAG 4022(SX)	17500	18.0	0.0	4.9	--	110.6	14.7	--
NC+ 59(SX)##	21100	16.4	1.8	4.5	3.1	109.8	14.7	117.2*
GOLDEN HARVEST H2680(SX)	19400	17.7	1.0	--	--	109.6	--	--
STAUFFER SEEDS 802(SX)	17900	17.8	0.0	3.7	4.7	109.5	23.5	105.3
PREMIUM EK9920(SX)	17100	17.9	0.9	3.2	--	108.8	18.3	--
TAYLOR-EVANS T-E 6995-A(SX)	20400	17.5	2.6	1.3	8.9	108.8	28.8	124.9*
LEWIS X58B(SX)	19600	17.5	0.0	--	--	108.5	--	--
ACCO PAYMASTER UC 8201(SX)	21400	15.0	1.8	4.4	--	108.0	21.8	--
DEKALB XL81(SX)##	18900	14.8	2.1	1.2	6.5	107.4	15.1	104.3
PIONEER 3186(SX)	20700	17.7	0.4	--	--	107.2	--	--
SUPER CROST 80052(SX)	17300	15.9	0.0	--	--	106.9	--	--
STAUFFER SEEDS SUPER 14(SX)	17400	17.0	0.0	--	2.7	106.8	--	127.7*
PIONEER 3382(SX)	18600	16.2	1.5	2.1	2.0	106.4	37.1	134.8*
CARGILL 949(SX)	19400	15.5	3.3	2.2	4.4	106.0	13.5	113.0*
DEKALB XL75(SX)	18700	18.1	2.2	--	--	105.9	--	--
PAG SX 98(SX)##	17700	17.1	5.6	2.9	6.2	105.3	15.8	100.6
PRINCETON SX910(SX)#	20300	17.8	1.1	8.4	--	105.1	37.8	--
DEKALB XL372(SX)##	18400	16.3	1.0	2.2	2.2	104.5	34.4	103.4
FUNK'S G-4606(SPX)	20300	16.0	2.2	8.1	5.7	104.2	14.5	116.8*
STAUFFER SEEDS 7795(SX)	16100	15.5	3.9	--	6.2	102.9	--	121.7*
PIONEER 3183(SX)##	22400	17.7	0.0	8.5	3.8	101.1	28.7	138.8**
TAYLOR-EVANS T-E 6945(SX)	19600	18.5	0.6	3.0	7.2	99.8	16.1	97.2
STAUFFER SEEDS 120A(SX)	19400	16.9	2.8	--	4.2	97.3	--	125.3*
ACCO PAYMASTER UC 7601(SX)	19200	16.1	2.8	--	--	96.7	--	--
TROJAN T1200(SX)	20000	16.5	0.9	--	--	94.8	--	--
TROJAN T1100(SX)	19700	17.4	0.4	--	--	92.7	--	--
LEWIS X53B(SX)	19000	16.0	0.8	4.7	--	88.6	23.9	--
PREMIUM EK8865(SPX)	16200	18.4	1.3	--	--	88.3	--	--
US-13(DX)	16100	15.8	5.8	11.2	9.4	60.7	14.4	75.5
MATURITY GROUP 3								
GROWERS 2340(SX)	20500	17.5	0.4	--	--	135.0*	--	--
LYNKS LX 4545(SX)	23400	17.8	1.9	--	--	127.9*	--	--
PIONEER 3184(SX)	20800	17.0	1.2	0.4	6.4	120.8*	29.6	123.5*
STAUFFER SEEDS 818(SX)	20500	17.8	1.3	3.2	5.4	118.6*	17.9	128.8*
PAG SX 351(SX)	21000	15.4	2.5	3.5	--	113.5	15.3	--
MCCURDY 8150(SX)	21600	17.4	2.4	--	--	113.4	--	--

TABLE 16. CONTINUED.

BRAND-HYBRID	PLANTS	MOIST	LODGING			YIELD		
	(#/ACRE)	(%)	(%)	(%)	(%)	(BU/ACRE)	(BU/ACRE)	(BU/ACRE)
	1981	1981	1981	1980	1979	1981	1980	1979
ACCO PAYMASTER UC 8951(SX)	17100	15.5	3.0	4.5	8.5	113.4	16.3	126.2*
PIONEER 3320(MSX)	17500	17.0	0.0	0.8	--	110.8	32.5	--
ZIMMERMAN Z14W(SX)#	18500	17.1	2.0	--	--	103.7	--	--
NORTHRUP KING PX87(SX)	22000	16.8	3.8	5.6	3.9	100.3	12.9	132.6*
PAG SX 333(SX)	19000	15.3	3.6	4.1	13.3	92.1	12.4	115.0*
MATURITY GROUP 4								
NORTHRUP KING PX95(SX)	19300	17.5	1.5	4.6	4.9	104.7	22.0	117.2*
TRIAL AVERAGE	19900	16.8	1.8	4.2	6.1	109.2	19.9	112.3
L.S.D. AT .05						22.4	13.7	31.4

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 17. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT PORTAGEVILLE UNDER IRRIGATED AND NON-IRRIGATED CONDITIONS IN 1981.
PLANTED POPULATIONS: NON-IRRIGATED 23000, IRRIGATED 29000.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	IRRIGAT	NON-IRR	MEAN	IRRIGAT	NON-IRR	MEAN		
MATURITY GROUP 1								
RING AROUND RA 1502(SX)	1.7	2.2	--	1.9	124.0*	106.0	--	115.0*
NORTHROP KING PX74(SX)	2.4	2.3	--	2.3	121.5*	99.0	--	110.2*
O'S GOLD EXP 25701(SX)	4.2	4.4	--	4.3	116.7	102.3	--	109.5*
FUNKS G-4507(SX)##	4.0	2.5	--	3.2	113.4	97.8	--	105.6
GOLDEN HARVEST H2500(SX)##	2.9	5.8	--	4.3	125.6*	84.3	--	104.9
MFA 5104(SX)	0.0	1.5	--	0.7	107.6	100.0	--	103.8
MASTER CHOICE MC 600(SX)	1.3	2.7	--	2.0	105.1	99.7	--	102.4
DEKALB XL72AA(SX)##	1.2	2.8	--	2.0	106.0	96.4	--	101.2
SUPER CROST 5440(SX)	1.4	1.3	--	1.3	104.4	96.7	--	100.5
DEKALB XL67(SX)	2.4	2.0	--	2.2	105.6	93.3	--	99.4
TAYLOR-EVANS T-E 6995(SX)	3.0	2.5	--	2.7	103.4	93.9	--	98.6
DEKALB XL73(SX)	0.4	2.6	--	1.5	97.4	96.3	--	96.8
NORTHROP KING PX9573(SPX)	5.0	1.7	--	3.3	106.2	85.2	--	95.7
CARGILL 921(SX)	5.8	2.3	--	4.0	92.9	96.3	--	94.6
FUNK'S G-4522(MSX)	3.2	3.4	--	3.3	105.8	82.9	--	94.3
BURRUS BX21(SX)	1.4	2.1	--	1.7	102.9	80.9	--	91.9
MASTER CHOICE MC 630(SX)	0.9	0.5	--	0.7	95.5	83.4	--	89.4
SUPER CROST 4337(SX)	1.7	2.7	--	2.2	82.6	82.2	--	82.4
MATURITY GROUP 2								
O'S GOLD 5291(SX)	0.7	3.5	--	2.1	126.2*	123.9**	--	125.0**
STAUFFER SEEDS 114+(SX)	1.9	3.4	--	2.6	140.2**	101.5	--	120.8*
TROJAN TXS115A(SX)	1.6	0.5	--	1.0	118.9*	107.5*	--	113.2*
FUNK'S G-4673(SPX)	2.4	2.0	--	2.2	114.0	111.8*	--	112.9*
MFA 6708(SX)	1.8	4.0	--	2.9	115.0	109.7*	--	112.3*
GROWERS 2300(SX)	1.1	6.8	--	3.9	131.8*	92.0	--	111.9*
O'S GOLD 5509(SX)	2.7	4.2	--	3.4	119.2*	104.5	--	111.8*
DEKALB XL74B(SX)	0.9	3.2	--	2.0	129.9*	93.6	--	111.7*
LYNKS LX 4500(SX)	3.0	2.4	--	2.7	113.8	109.1*	--	111.4*
MCCURDY 84AA(SX)	0.9	6.2	--	3.5	113.7	108.5*	--	111.1*
LEWIS X74B(SX)	1.1	4.2	--	2.6	119.4*	102.7	--	111.0*
MFA 6707(SX)	0.8	0.5	--	0.6	124.2*	93.3	--	108.7*
PRINCETON SX870(SX)	0.5	1.7	--	1.1	116.4	99.3	--	107.8*
MFA 5802(SX)##	4.6	2.9	--	3.7	125.3*	89.3	--	107.3*
NC+ 59(SX)##	1.8	3.3	--	2.5	109.8	104.5	--	107.1*
FEDERAL FX39(SX)	2.3	3.4	--	2.8	114.8	98.9	--	106.8*
GOLDEN HARVEST H2680(SX)	1.0	1.2	--	1.1	109.6	102.9	--	106.2
STAUFFER SEEDS 802(SX)	0.0	4.5	--	2.2	109.5	102.7	--	106.1
SUPER CROST 80052(SX)	0.0	3.0	--	1.5	106.9	105.1	--	106.0
TROJAN T1189(SX)	1.7	2.4	--	2.0	113.3	97.9	--	105.6
LEWIS X81B(SX)	1.6	4.5	--	3.0	111.4	99.6	--	105.5
STAUFFER SEEDS S8818(SX)	0.4	4.3	--	2.3	119.7*	91.1	--	105.4
MFA 5903(SPX)##	0.4	3.2	--	1.8	110.9	100.0	--	105.4
BURRUS BX39(SX)	1.7	3.1	--	2.4	118.3*	92.4	--	105.3
CARGILL 967(SX)	0.0	0.5	--	0.2	111.7	98.5	--	105.1
GOLD TAG 4022(SX)	0.0	1.6	--	0.8	110.6	98.6	--	104.6
STAUFFER SEEDS 7795(SX)	3.9	1.6	--	2.7	102.9	103.2	--	103.0
CARGILL 949(SX)	3.3	2.3	--	2.8	106.0	100.0	--	103.0
DEKALB XL75(SX)	2.2	0.4	--	1.3	105.9	99.8	--	102.8
STAUFFER SEEDS SUPER 14(SX)	0.0	2.7	--	1.3	106.8	96.6	--	101.7
DEKALB XL72B(SX)##	3.7	1.8	--	2.7	111.6	91.7	--	101.6
DEKALB XL81(SX)##	2.1	2.6	--	2.3	107.4	94.6	--	101.0
ACCO PAYMASTER UC 7601(SX)	2.8	4.9	--	3.8	96.7	105.1	--	100.9
TROJAN T1200(SX)	0.9	2.5	--	1.7	94.8	105.0	--	99.9
PIONEER 3186(SX)	0.4	0.4	--	0.4	107.2	92.3	--	99.7
TAYLOR-EVANS T-E 6995-A(SX)	2.6	1.6	--	2.1	108.8	90.4	--	99.6
PREMIUM EK9920(SX)	0.9	1.2	--	1.0	108.8	90.5	--	99.6
PRINCETON SX910(SX)#	1.1	1.9	--	1.5	105.1	93.9	--	99.5
ACCO PAYMASTER UC 8201(SX)	1.8	4.3	--	3.0	108.0	90.4	--	99.2
LEWIS X58B(SX)	0.0	3.2	--	1.6	108.5	87.8	--	98.1
STAUFFER SEEDS 120A(SX)	2.8	2.9	--	2.8	97.3	95.4	--	96.3
PAG SX 98(SX)##	5.6	4.3	--	4.9	105.3	86.8	--	96.0
FUNK'S G-4606(SPX)	2.2	3.0	--	2.6	104.2	87.6	--	95.9
PIONEER 3183(SX)##	0.0	1.0	--	0.5	101.1	90.5	--	95.8
PIONEER 3382(SX)	1.5	2.5	--	2.0	106.4	84.9	--	95.6
PREMIUM EK8865(SPX)	1.3	1.9	--	1.6	88.3	90.1	--	89.2
DEKALB XL372(3X)##	1.0	3.2	--	2.1	104.5	72.5	--	88.5
LEWIS X53B(SX)	0.8	1.0	--	0.9	88.6	87.8	--	88.2
TAYLOR-EVANS T-E 6945(SX)	0.6	4.7	--	2.6	99.8	66.8	--	83.3
TROJAN T1100(SX)	0.4	0.6	--	0.5	92.7	71.5	--	82.1
US-13(DX)	5.8	8.1	--	6.9	60.7	74.8	--	67.7
MATURITY GROUP 3								
GROWERS 2340(SX)	0.4	1.0	--	0.7	135.0*	107.8*	--	121.4*
LYNKS LX 4545(SX)	1.9	1.0	--	1.4	127.9*	103.0*	--	117.9*
STAUFFER SEEDS 818(SX)	1.3	0.5	--	0.9	118.6*	109.9*	--	114.2*
PIONEER 3184(SX)	1.2	1.6	--	1.4	120.8*	107.4*	--	114.1*
MCCURDY 8150(SX)	2.4	1.4	--	1.9	113.4	106.1	--	109.7*
ACCO PAYMASTER UC 8951(SX)	3.0	3.6	--	3.3	113.4	102.8	--	108.1*

TABLE 17. CONTINUED.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	IRRIGAT	NON-IRR	MEAN	IRRIGAT	NON-IRR	MEAN		
PAG SX 351(SX)	2.5	2.8	--	2.6	113.5	98.5	--	106.0
PIONEER 3320(MSX)	0.0	1.1	--	0.5	110.8	99.0	--	104.9
NORTHRUP KING PX87(SX)	3.8	1.4	--	2.6	100.3	107.8*	--	104.0
ZIMMERMAN Z14W(SX)#	2.0	3.2	--	2.6	103.7	90.0	--	96.8
PAG SX 333(SX)	3.6	4.2	--	3.9	92.1	77.5	--	84.8
MATURITY GROUP 4								
NORTHRUP KING PX95(SX)	1.5	1.6	--	1.5	104.7	95.3	--	100.0
TRIAL AVERAGE	1.8	2.6		2.2	109.2	95.4		102.6
L.S.D. AT .05					22.4	17.0		18.5

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 18. PERFORMANCE RECORD OF CORN HYBRIDS GROWN AT TWO IRRIGATED MISSOURI LOCATIONS (COLUMBIA AND PORTAGEVILLE) IN 1981. PLANTED POPULATION: 29000.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	COLUMBA	PORTAGV	MEAN	COLUMBA	PORTAGV	MEAN		
MATURITY GROUP 1								
RING AROUND RA 1502(SX)	16.5	1.7	--	9.1	136.1*	124.0*	--	130.0*
GOLDEN HARVEST H2500(SX)##	11.0	2.9	--	6.9	125.3	125.6*	--	125.4*
O'S GOLD EXP 25701(SX)	19.5	4.2	--	11.8	134.0*	116.7	--	125.3*
DEKALB XL72AA(SX)##	21.5	1.2	--	11.3	139.3*	106.0	--	122.6*
FUNKS G-4507(SX)##	27.4	4.0	--	15.7	129.0*	113.4	--	121.2*
SUPER CROST 5440(SX)	18.4	1.4	--	9.9	135.3*	104.4	--	119.8
NORTHROP KING PX74(SX)	34.1	2.4	--	18.2	117.4	121.5*	--	119.4
MASTER CHOICE MC 630(SX)	7.4	0.9	--	4.1	141.6*	95.5	--	118.5
TAYLOR-EVANS T-E 6995(SX)	10.2	3.0	--	6.6	132.7*	103.4	--	118.0
BURRUS BX21(SX)	4.9	1.4	--	3.1	125.9	102.9	--	114.4
FUNK'S G-4522(MSX)	24.0	3.2	--	13.6	115.1	105.8	--	110.4
MFA 5104(SX)	22.2	0.0	--	11.1	112.6	107.6	--	110.1
DEKALB XL73(SX)	16.0	0.4	--	8.2	118.1	97.4	--	107.7
MASTER CHOICE MC 600(SX)	31.7	1.3	--	16.5	108.4	105.1	--	106.7
CARGILL 921(SX)	19.4	5.8	--	12.6	118.0	92.9	--	105.4
SUPER CROST 4337(SX)	3.2	1.7	--	2.4	127.4	82.6	--	105.0
DEKALB XL67(SX)	31.0	2.4	--	16.7	98.7	105.6	--	102.1
NORTHROP KING PX9573(SPX)	27.3	5.0	--	16.1	91.0	106.2	--	98.6
MATURITY GROUP 2								
O'S GOLD 5291(SX)	21.3	0.7	--	11.0	151.2**	126.2*	--	138.7**
STAUFFER SEEDS 114+(SX)	12.8	1.9	--	7.3	134.0*	140.2**	--	137.1*
LEWIS X74B(SX)	25.9	1.1	--	13.5	150.1*	119.4*	--	134.7*
STAUFFER SEEDS S8818(SX)	29.1	0.4	--	14.7	146.8*	119.7*	--	133.2*
GROWERS 2300(SX)	24.8	1.1	--	12.9	128.8*	131.8*	--	130.3*
PRINCETON SX870(SX)	22.7	0.5	--	11.6	133.7*	116.4	--	125.0*
TROJAN T1189(SX)	9.2	1.7	--	5.4	135.5*	113.3	--	124.4*
STAUFFER SEEDS 802(SX)	19.6	0.0	--	9.8	137.4*	109.5	--	123.4*
DEKALB XL74B(SX)	40.6	0.9	--	20.7	116.0	129.9*	--	122.9*
TAYLOR-EVANS T-E 6995-A(SX)	23.4	2.6	--	13.0	136.7*	108.8	--	122.7*
O'S GOLD 5509(SX)	32.5	2.7	--	17.6	126.3	119.2*	--	122.7*
PIONEER 3183(SX)##	13.3	0.0	--	6.6	142.9*	101.1	--	122.0*
LYNKS LX 4500(SX)	12.2	3.0	--	7.6	128.4	113.8	--	121.1*
PIONEER 3186(SX)	21.8	0.4	--	11.1	134.7*	107.2	--	120.9*
TROJAN TXS115A(SX)	26.3	1.6	--	13.9	122.8	118.9*	--	120.8*
FEDERAL FX39(SX)	28.5	2.3	--	15.4	125.9	114.8	--	120.3*
DEKALB XL72B(SX)##	11.4	3.7	--	7.5	127.1	111.6	--	119.3
MFA 5802(SX)##	35.6	4.6	--	20.1	111.7	125.3*	--	118.5
MCCURDY 84AA(SX)	15.3	0.9	--	8.1	123.0	113.7	--	118.3
NC+ 59(SX)##	26.8	1.8	--	14.3	126.7	109.8	--	118.2
ACCO PAYMASTER UC 8201(SX)	28.6	1.8	--	15.2	126.5	108.0	--	117.2
CARGILL 967(SX)	30.8	0.0	--	15.4	120.2	111.7	--	115.9
FUNK'S G-4673(SPX)	37.1	2.4	--	19.7	117.0	114.0	--	115.5
BURRUS BX39(SX)	21.0	1.7	--	11.3	109.1	118.3*	--	113.7
MFA 5903(SPX)##	13.9	0.4	--	7.1	116.4	110.9	--	113.6
LEWIS X58B(SX)	13.6	0.0	--	6.8	116.0	108.5	--	112.2
PIONEER 3382(SX)	20.6	1.5	--	11.0	115.9	106.4	--	111.1
ACCO PAYMASTER UC 7601(SX)	8.3	2.8	--	5.5	123.9	96.7	--	110.3
TROJAN T1100(SX)	14.2	0.4	--	7.3	127.2	92.7	--	109.9
GOLD TAG 4022(SX)	32.2	0.0	--	16.1	108.7	110.6	--	109.6
LEWIS X81B(SX)	38.4	1.6	--	20.0	107.2	111.4	--	109.3
DEKALB XL75(SX)	17.7	2.2	--	9.9	112.5	105.9	--	109.2
STAUFFER SEEDS SUPER 14(SX)	27.8	0.0	--	13.9	111.1	106.8	--	108.9
PREMIUM EK9920(SX)	29.3	0.9	--	15.1	106.1	108.8	--	107.4
TAYLOR-EVANS T-E 6945(SX)	15.5	0.6	--	8.0	114.8	99.8	--	107.3
MFA 6708(SX)	38.8	1.8	--	20.3	97.6	115.0	--	106.3
TROJAN T1200(SX)	28.2	0.9	--	14.5	117.2	94.8	--	106.0
DEKALB XL81(SX)##	6.9	2.1	--	4.5	104.7	107.4	--	106.0
FUNK'S G-4606(SPX)	40.6	2.2	--	21.4	106.4	104.2	--	105.3
STAUFFER SEEDS 7795(SX)	29.1	3.9	--	16.5	106.3	102.9	--	104.6
GOLDEN HARVEST H2680(SX)	28.6	1.0	--	14.8	99.6	109.6	--	104.6
SUPER CROST 80052(SX)	21.6	0.0	--	10.8	100.3	106.9	--	103.6
STAUFFER SEEDS 120A(SX)	16.2	2.8	--	9.5	109.7	97.3	--	103.5
DEKALB XL372(SX)##	23.7	1.0	--	12.3	102.3	104.5	--	103.4
PAG SX 98(SX)##	27.0	5.6	--	16.3	101.2	105.3	--	103.2
CARGILL 949(SX)	9.6	3.3	--	6.4	99.1	106.0	--	102.5
LEWIS X53B(SX)	19.2	0.8	--	10.0	116.2	88.6	--	102.4
PREMIUM EK8865(SPX)	20.2	1.3	--	10.7	113.2	88.3	--	100.7
MFA 6707(SX)	53.1	0.8	--	26.9	76.6	124.2*	--	100.4
PRINCETON SX910(SX)##	26.4	1.1	--	13.7	93.5	105.1	--	99.3
US-13(DX)	50.8	5.8	--	28.3	64.6	60.7	--	62.6
MATURITY GROUP 3								
LYNKS LX 4545(SX)	37.5	1.9	--	19.7	124.7	127.9*	--	126.3*
GROWERS 2340(SX)	28.0	0.4	--	14.2	113.3	135.0*	--	124.1*
PIONEER 3184(SX)	19.1	1.2	--	10.1	124.1	120.8*	--	122.4*
ZIMMERMAN Z14W(SX)##	27.1	2.0	--	14.5	138.6*	103.7	--	121.1*
PIONEER 3320(MSX)	13.7	0.0	--	6.8	130.3*	110.8	--	120.5*
PAG SX 351(SX)	24.1	2.5	--	13.3	127.2	113.5	--	120.3*

TABLE 18. CONTINUED.

BRAND-HYBRID	LODGING (%)			YIELD (BU/ACRE)				
	COLUMBA	PORTAGV	MEAN	COLUMBA	PORTAGV	MEAN		
NORTHROP KING PX87(SX)	30.9	3.8	--	17.3	131.6*	100.3	--	115.9
ACCO PAYMASTER UC 8951(SX)	23.1	3.0	--	13.0	113.9	113.4	--	113.6
STAUFFER SEEDS 818(SX)	53.9	1.3	--	27.6	102.5	118.6*	--	110.5
MCCURDY 8150(SX)	35.3	2.4	--	18.8	98.5	113.4	--	105.9
PAG SX 333(SX)	21.8	3.6	--	12.7	114.5	92.1	--	103.3
MATURITY GROUP 4								
NORTHROP KING PX95(SX)	16.6	1.5	--	9.0	120.6	104.7	--	112.6
TRIAL AVERAGE	23.6	1.8		12.7	118.8	109.2		114.0
L.S.D. AT .05					22.7	22.4		18.5

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

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

WIDELY-GROW HYBRID.

WHITE HYBRID.

TABLE 19. ENTRIES IN THE 1981 MISSOURI HYBRID CORN EVALUATION TRIALS. X INDICATES THE LOCATION AT WHICH EACH HYBRID WAS GROWN.

BRAND/HYBRID	A R E A O F S T A T E				BRAND/HYBRID	A R E A O F S T A T E			
	NORTH	CEN-TRAL	SOUTH-EAST	IRRI-GATION TRIAL		NORTH	CEN-TRAL	SOUTH-EAST	IRRI-GATION TRIAL
M A T U R I T Y G R O U P 1									
AMERICANA 3100(SX)	X	X			AMERICANA 3120(SX)	X			
AMERICANA 3200(SX)	X				BURRUS BX20(SX)	X			
BURRUS BX21(SX)		X	X	X	CALLISON CB68(SX)	X			
CARGILL 921(SX)	X	X	X	X	CARGILL 924(SX)	X			
CARGILL 934(SX)	X				DEKALB XL67(SX)	X	X	X	X
DEKALB XL72C(SX)	X	X	X		DEKALB XL73(SX)	X	X	X	X
DEKALB XL72AA(SX)##	X	X	X	X	FONTANELLE 611(SX)	X			
FONTANELLE 590(SX)	X				FONTANELLE 580(SX)	X			
FUNKS G-4507(SX)##	X	X	X	X	FUNK'S G-4520(SX)	X			
FUNK'S G-4522(MSX)	X	X	X	X	FUNK'S G-4583(SX)	X	X		
GOLDEN HARVEST H2500(SX)##	X	X	X	X	GOLD TAG 3006(SX)	X	X		
GROWERS GSA 2120(SX)		X	X		GROWERS GSA 2020 (SX)	X			
KELTGEN KS112(SX)	X				KELTGEN KS114(SX)	X			
KELTGEN KS117B(SX)	X				KELTGEN KS115(SX)	X			
MACON 110(SX)		X			MASTER CHOICE MC 600(SX)	X	X	X	X
MASTER CHOICE MC 630(SX)	X	X	X	X	MFA 5104(SX)	X	X	X	X
NC+ 4710(SX)	X				NORTHRUP KING PX9573(SPX)	X	X	X	X
NORTHRUP KING PX74(SX)	X	X	X	X	O'S GOLD 3344(SX)	X	X		
O'S GOLD 6882(SX)	X				O'S GOLD 5500A(SX)	X			
O'S GOLD EXP 25701(SX)	X	X	X	X	PAG SX 397(SX)	X			
RING AROUND RA 1604(SX)	X	X	X		RING AROUND RA 1504(SX)	X	X		
RING AROUND RA 1502(SX)	X	X	X	X	STAUFFER SEEDS 7759(SX)	X	X		
STAUFFER SEEDS 7757(SX)	X				STAUFFER SEEDS 37S(SX)	X			
SUPER CROST 81061(SX)	X				SUPER CROST 4337(SX)	X	X	X	X
SUPER CROST 5440(SX)	X	X	X	X	TAYLOR-EVANS T-E 6995(SX)	X	X	X	X
USS 1010(SX)	X	X			USS 0526(SX)	X	X		
USS 0525(SX)	X				VORIS V2532(SX)	X			
M A T U R I T Y G R O U P 2									
ACCO PAYMASTER UC 7251(SX)	X				ACCO PAYMASTER UC 8201(SX)	X	X	X	X
ACCO PAYMASTER UC 7601(SX)	X	X	X	X	AMERICANA 4100(SX)	X	X		
AMERICANA 4500(SX)		X			AMERICANA 4640(SX)	X	X		
ASGROW RX777(SX)	X	X			ASGROW RX858(SX)	X			
ASGROW RX90(SX)	X				ASGROW RX909(SX)	X	X		
ASGROW RX98(SX)		X			BURRUS BX31(SX)	X			
BURRUS BX39(SX)		X	X	X	CALLISON CB89(SX)	X	X		
CALLISON CB90(SX)		X			CARGILL 951(SX)	X			
CARGILL 967(SX)	X	X	X	X	CARGILL 949(SX)	X	X	X	X
COKER 16(SPX)					COKER 19A(SPX)			X	
COKER 19(SX)		X			DEKALB XL81(SX)##	X	X	X	X
DEKALB XL70(SX)	X	X			DEKALB XL74B(SX)	X	X	X	X
DEKALB XL75(SX)		X	X	X	DEKALB XL372(3X)##	X	X	X	X
DEKALB XL72B(SX)##	X	X	X	X	FEDERAL FX39(SX)	X	X	X	X

TABLE 19. CONTINUED.

BRAND/HYBRID	AREA OF STATE				BRAND/HYBRID	AREA OF STATE			
	NORTH	CEN-TRAL	SOUTH-EAST	IRRI-GATION TRIAL		NORTH	CEN-TRAL	SOUTH-EAST	IRRI-GATION TRIAL
MATURITY GROUP 2									
FUNK'S G-4606(SPX)		X	X	X	FUNK'S G-4673(SPX)	X	X	X	X
FUNK'S G-4689(SPX)			X		GOLD TAG 4022(SX)	X	X	X	X
GOLDEN HARVEST H2686(SX)			X		GOLDEN HARVEST H2680(SX)	X	X	X	X
GROWERS 2300(SX)		X	X	X	HAPPEL MS-80(SX)	X	X		
HAPPEL 3361A(3X)		X			IOWA-MISSOURI SX 39(SX)	X			
LEWIS X52B(SX)	X	X			LEWIS X52B(SX)	X	X	X	X
LEWIS X81B(SX)	X	X	X	X	LEWIS X53B(SX)	X	X	X	X
LEWIS X74B(SX)	X	X	X	X	LYNKS LX 4480(SX)			X	
LYNKS LX 4500(SX)	X	X	X	X	LYNKS LX 4315(SX)	X			
LYNKS LX 4355(SX)	X	X			MACON 221(SX)		X		
MACON 420(SX)		X			MACON 344(SX)		X		
MCALLISTER SX7300B(SX)	X				MCALLISTER SX5837(SX)	X			
MCCURDY 84(SX)	X				MCCURDY 7676(SX)	X	X		
MCCURDY 7787(SX)		X			MCCURDY 84AA(SX)	X	X	X	X
MFA 5802(SX)##	X	X	X	X	MFA 6707(SX)	X	X	X	X
MFA 6708(SX)	X	X	X	X	MFA 5903(SPX)##	X	X	X	X
MIGRO HP-470(SX)	X				MIGRO HP-44(SX)	X			
MOEWS 5450(SX)	X				MOEWS 725(SX)	X			
MOEWS 3620(SX)	X				NC+ 8331(SX)	X	X		
NC+ 59(SX)##	X	X	X	X	O'S GOLD 5291(SX)	X	X	X	X
O'S GOLD 5509(SX)		X	X	X	PAG SX 98(SX)##	X	X	X	X
PIONEER 3186(SX)	X	X	X	X	PIONEER 3090(DX)	X	X		
PIONEER 3323(SX)	X				PIONEER 3183(SX)##	X	X	X	X
PIONEER 3382(SX)		X	X	X	PREMIUM EK8865(SPX)	X	X	X	X
PREMIUM EK9920(SX)	X	X	X	X	PRINCETON SX870(SX)		X	X	X
PRINCETON SX910(SX)##		X	X	X	STAUFFER SEEDS 802(SX)	X	X	X	X
STAUFFER SEEDS 88818(SX)		X	X	X	STAUFFER SEEDS SUPER 14(SX)	X	X	X	X
STAUFFER SEEDS 114+(SX)	X	X	X	X	STAUFFER SEEDS 120A(SX)		X	X	X
STAUFFER SEEDS 7795(SX)	X	X	X	X	SUPER CROST 7600(SX)	X			
SUPER CROST 80052(SX)	X	X	X	X	TAYLOR-EVANS T-E 6995-A(SX)	X	X	X	X
TAYLOR-EVANS T-E 6945(SX)		X	X	X	TROJAN T1189(SX)		X	X	X
TROJAN T1200(SX)		X	X	X	TROJAN T1100(SX)	X	X	X	X
TROJAN TX5115A(SX)	X	X	X	X	US-13(DX)	X	X	X	X
VORIS V2601(SX)	X				WILSON 1800(SX)	X			
WILSON 1800A(SX)	X				WILSON 1900(SX)	X			
MATURITY GROUP 3									
ACCO PAYMASTER UC 8951(SX)		X	X	X	AMERICANA 4730(SX)	X	X		
AMERICANA 4808(SX)	X	X			AMERICANA 6700(SX)		X		
COKER 22(3X)			X		COKER 21(SX)			X	
GROWERS 2340(SX)		X	X	X	IOWA-MISSOURI SX 20(SX)	X			
LYNKS LX 4545(SX)		X	X	X	MCALLISTER SX7918(SX)	X			
MCCURDY 8150(SX)	X	X	X	X	MIGRO M-0707(SX)	X			

TABLE 20. SOURCE OF COMMERCIAL SEED CORN FOR HYBRIDS ENTERED IN THE 1981 MISSOURI YIELD TRIALS.

BRAND	FIRM	ADDRESS
ACCO	ACCO PAYMASTER SEED	P.O. BOX 307, BELMOND, IA 50421
AMERICANA	AMERICANA SEEDS, INC.	P.O. BOX 275, BOWEN, IL 62316
ASGROW	ASGROW SEED CO.	7000 PORTAGE RD, KALAMAZOO, MI 49001
BURRUS	BURRUS BROS. & ASSOC. GRS.	RR. 1 BOX 22, ARENZVILLE, IL 62611
CALLISON	CALLISON HYBRID CO.	510 S. 8TH AVE., WINTERSSET, IA 50273
CARGILL	CARGILL SEEDS	P.O. BOX 5645 MINNEAPOLIS, MN 55440
COKER	COKER'S PEDIGREED SEED CO.	P.O. BOX 340, HARTSVILLE, SC 29550
DEKALB	DEKALB AG RESEARCH, INC.	SYCAMORE ROAD, DEKALB, IL 60115
FEDERAL	FEDERAL HYBRIDS	RT. 2, MARION, IA 52302
FONTANELLE	FONTANELLE HYBRIDS	RT. 1, NICKERSON, NE 68044
FUNK	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, GENESEO, IL 61254
GROWERS	GROWERS SEED ASSOC.	P.O. BOX 1656, LUBBOCK, TX 79408
HAPPEL	HAPPEL HYBRID SEED CO.	RT. 1, PALMYRA, MO 63461
IOWA-MISSOURI	IOWA-MISSOURI HYB. CORN CO., INC.	P.O. BOX 481, KEOSAUQUA, IA 52565
KELTGEN	KELTGEN SEED CO.	BOX 143, OLIVIA, MN 56277
LEWIS	LEWIS SEEDS, INC.	P.O. BOX 38, URSA, IL 62376
LYNKS	LYNKS SEEDS	P.O. BOX 637, MARSHALLTOWN, IA 50158
MACON	MACON HYBRIDS, INC.	P.O. BOX 1, LATHAM, IL 62543
MASTERS CHOICE	ATTABOY CO. INC.	P.O. BOX 10, CARROLLTON, ILL 62016
MCALLISTER	MCALLISTER SEED CO. INC.	P.O. BOX 28, MT. PLEASANT, IA 52641
MCCURDY	MCCURDY SEED CO.	FREMONT, IA 52561
MFA	MFA SEED DIVISION	201 S. 7TH. ST. COLUMBIA, MO 65201
MIGRO	MIGRO DIVISION OF N.A.P.B.	P.O. BOX 2955, MISSION, KS 66201
MOEWS	MOEWS SEED CO.	P.O. BOX 214, GRANVILLE, IL 61326
NC+	NC+ HYBRIDS	3820 N. 56TH, LINCOLN, NE 68504
NORTHRUP-KING	NORTHRUP KING CO.	1452 29TH ST., SUITE 214, W. 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	P.O. BOX 9480, DEPT. 16, MINNEAPOLIS, MN 55440
PIONEER	GARST & THOMAS HYBRID CORN CO.	615 MAIN ST. COON RAPIDS, IA 50058
PREMIUM	EK PREMIUM SEED CORN	RR. 1, BERWICK, IL 61417
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	BOX 125, PHILLIPS, NE 68865
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.	1000 BELLERIVE EXEC. PARKWAY, ST. LOUIS, MO 63141
USS	UNITED STATES STEEL AGR CH.	P.O. BOX 1685, ATLANTA, GA 30301
VORIS	VORIS SEEDS, INC.	BOX 457, WINDFALL, IN 46076
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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