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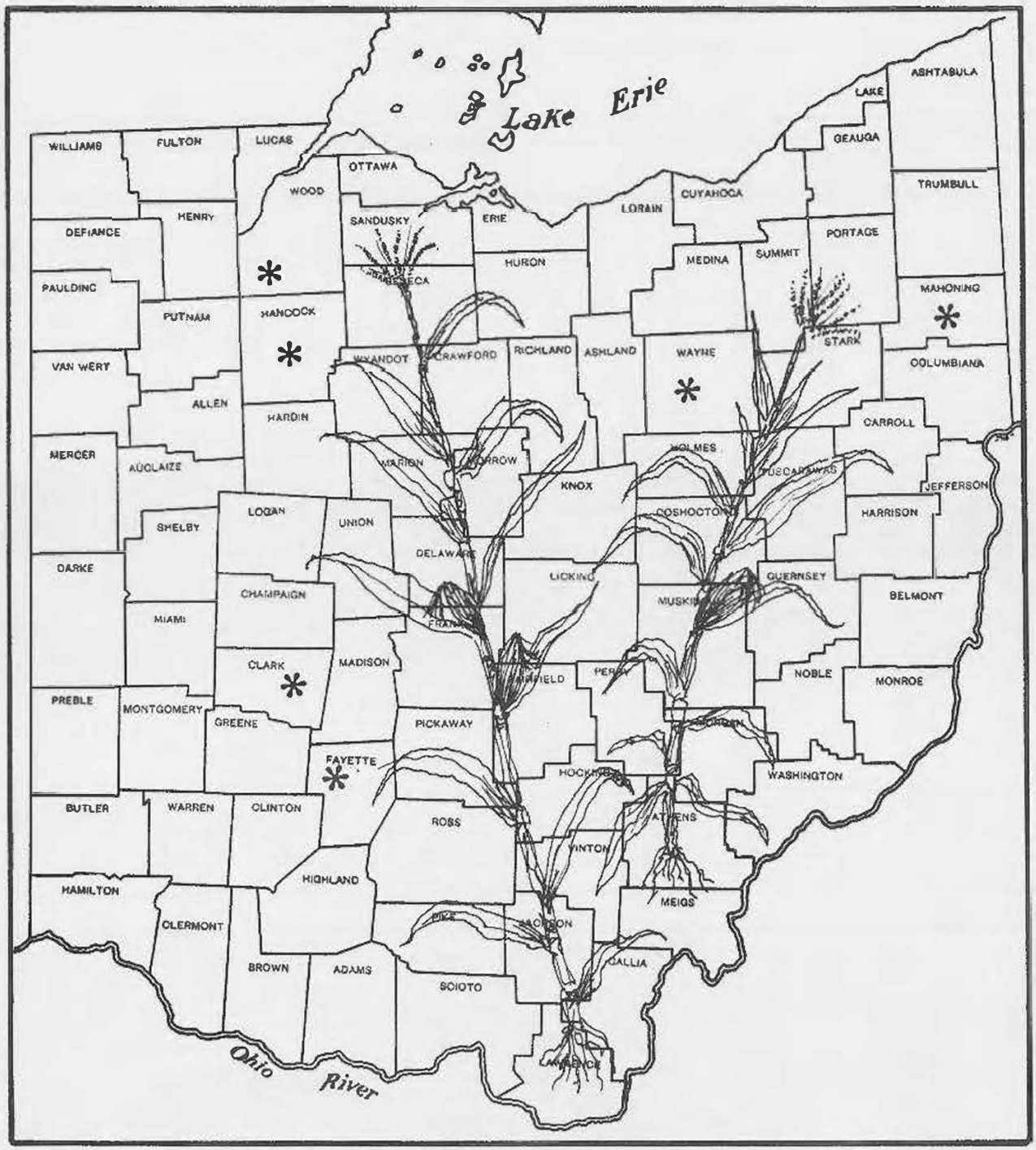
OHIO CORN PERFORMANCE TEST 1976



DEPARTMENT OF AGRONOMY
OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER
OHIO COOPERATIVE EXTENSION SERVICE
THE OHIO STATE UNIVERSITY

TABLES

OHIO CORN PERFORMANCE TEST OPERATING COMMITTEE

OHIO CORN PERFORMANCE TEST

1976

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Results of the Ohio Corn Performance Test are published to provide a source of objective information from various locations in Ohio on the relative performance of corn hybrids currently available to Ohio farmers. The information should benefit farmers in selecting profitable hybrids for use in their farming program. Hybrids available to farmers differ in yield ability, maturity, standability, and other agronomic characteristics. Hybrid selection should be based on the hybrid performance.

Farmers and seedsmen should remember when interpreting the results of the 1976 Ohio Corn Performance Test that the information on each hybrid contained in this report is from two locations per region in one year. Confidence in the test results increases with the number of years and the number of locations in which the hybrid was tested. The performance of a hybrid in one region should not be compared with the performance of a different hybrid in another region. The performance of the same hybrid in different regions is indicative of the reaction of this hybrid to different environments. The presentation of data does not imply endorsement of any hybrid by the author, Ohio Agricultural Research and Development Center, Ohio Cooperative Extension Service, or The Ohio State University. Reproduction of any table is permitted only if no portion is deleted and the order is not rearranged.

EVALUATION PROCEDURES

Seed corn producers were eligible to submit for evaluation those hybrids for which seed is currently available for production by Ohio farmers. Each producer was permitted to enter five hybrids in each of three test regions: northwestern, southwestern, and northeastern Ohio. Each hybrid was tested at two test sites within each region. Fifty-two seed corn producers submitted 149 hybrids to be tested in the northwestern Ohio region, 160 hybrids in the southwestern Ohio region, and 88 hybrids in the northeastern Ohio region. Several hybrids were entered for testing in more than one region during 1976.

Each hybrid in the 1976 Ohio Corn Performance Test was replicated four times at each test site in a randomized block design. Conventional tillage practices were used at all plot sites. Hybrids were planted using a commercial type planter adapted for plot planting. Each plot consisted of four 30-inch rows 25 ft. long. Seed corn producers selected a final stand and percent overplant for each hybrid entered.

Fertilizer, herbicides and insecticides were applied in accordance with recommended cultural practices for the individual area as required to obtain maximum hybrid potential. The center two rows of each plot were harvested, without gleaning, with a self-propelled two-row picker-sheller combine. Yields were calculated on the basis of bushels per acre of 15.5% moisture shelled corn.

In addition to the regular testing program, 9 high-lysine type hybrids were evaluated at the Western Branch, OARDC. Evaluation techniques for these hybrids were similar to those for the regular testing program, except lysine content was measured and performance compared to the normal counterpart when available. The high-lysine

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type hybrids, and the available normal counterpart hybrids, were tested at the same location. An isolation border of 12 high-lysine type hybrid rows was grown between the two tests. Prevailing wind direction was from the high-lysine area toward the normal counterpart area. Two normal hybrids were used as check hybrids. These hybrids were used to compare the potential of the two test areas and were hand detasseled in both areas to prevent contamination of the high-lysine type hybrids. Farmers and seedsmen should use these check hybrids as a comparison of the relative potential of the two areas and not as a comparison within an area due to the possible gain or reduction in performance due to detasseling.

LOCATION OF TESTS

NORTHWEST REGION. The performance tests were conducted at 1) Northwestern Branch, OARDC, near Hoytville, in Wood County, and 2) Steven Oman Farm, west of Findlay in Hancock County. The soil types were: Hoytville clay, a dark-colored, poorly drained soil formed on high-lime glacial till on nearly level lake plain topography; and Mermill sandy loam, a dark-colored soil formed on lake-laid silts and sands on nearly level to depressed topography, respectively. Both sites were tile drained.

SOUTHWEST REGION. The performance tests were conducted on a Brookston silty clay loam, a dark-colored soil formed on high-lime loam till on nearly level topography at the Western Branch, OARDC, in Clark County, near South Charleston and The Frank Sollars Farm, Northwest of Washington C. H., in Fayette County. Both sites were tile drained.

NORTHEASTERN REGION. The performance tests were conducted at 1) Mahoning Branch, OARDC, near Canfield in Mahoning County, and 2) Ohio Agricultural Research and Development Center, Wooster in Wayne County. The soil types were: Canfield silt loam, a light colored, moderately well drained soil formed in loamy glacial till on gently sloping topography; and Ravenna silt loam, a light colored, somewhat poorly drained soil formed in a loamy glacial till on nearly level to gently sloping uplands, respectively. Both sites were tile drained.

MEASUREMENTS AND RECORDS

YIELD. The middle two rows of each plot were harvested with a picker-sheller combine. Plot weights were recorded, and the yield per acre at 15.5 percent moisture determined.

EMERGENCE COUNT. An emergence count was made on each plot after plant emergence. The percent of emergence was computed based on the number of emerged plants and the number of kernels planted.

PLANT POPULATION. Seed corn producers selected a desired final stand and percent overplant for each hybrid entered. Producer selection of overplant varied from 0 to 25 percent of the desired final stand. The planting rate is the final stand plus the percent overplant for each hybrid. Differences between the planting rate and the final stand may be attributed to seed quality and/or environmental conditions present.

MID-SILK. The mid-silk date is the calendar day of the year in which 50 percent of the plants show silks.

PLANT-EAR HEIGHT. The plant and ear height were determined by recording the average distance from ground level to the height of the tassel bearing node and the primary ear bearing node, respectively.

LODGING. The number of broken stalks in each plot was counted just prior to harvest. Only those plants with a stalk broken below the ear were considered stalk

lodged. Plants with stalks leaning 45° or more from a vertical position were considered root lodged. A plant that was both root and stalk lodged was counted in both measurements.

MOISTURE AT HARVEST. A grain moisture determination was made from each plot with an electrical conductance moisture meter.

TEST WEIGHT. Test weights were recorded from one site within a region on grain samples at field moisture except for the high-lysine test.

HIGH-LYSINE TESTING. Laboratory analyses to determine lysine content of hybrids grown in 1976 were conducted by two reputable commercial laboratories on whole kernel samples of high-lysine and normal counterpart hybrids. The laboratory sample was a composite field sample from the four test replications of each hybrid. Samples were dried to 10 percent (±1%) moisture for the analysis. The lysine content is expressed in percent of whole kernel weight of corn on an "as fed" basis of 10 percent moisture. The lysine content obtained by laboratory analysis may vary up to 10 percent of the sample value. Test weights were conducted on samples of high-lysine and normal counterpart hybrids at 10 percent (±1%) moisture and calculated to 15.5 percent moisture.

GROWING CONDITIONS

Weather during the planting season was favorable for timely planting of the test sites in 1976. Soil moisture was somewhat below normal during planting and early growth. Plant emergence was excellent but slow, especially in northwestern Ohio.

Rainfall was adequate in all the regions except northwestern Ohio where a dry summer reduced plant growth and earfill. Most of Ohio had a lower than normal amount of growing degree days. On the average, Ohio experienced approximately 11 percent fewer growing degree days than in 1975.

The cooler than normal temperatures continued into the harvest season and delayed harvest. Moistures were higher than usual at harvest and lower test weights were noticeable.

PRESENTATION OF RESULTS AND DISCUSSION

The most important factor in hybrid selection to many farmers is the yielding ability of a hybrid compared to that of other available hybrids. The yield comparisons in the tables of performance should be interpreted with the understanding that these yield results are recorded from machine harvesting without gleaning. Machine harvested yields are often associated with the amount and severity of lodging. When comparing two hybrids, a yield difference greater than the Least Significant Difference (LSD) indicates that the odds are 19:1 that this is a real difference between the hybrids and not due to chance variation (such as soil variation, etc.).

Grain moisture percentage at harvest is a useful tool in the measurement of hybrid maturity. For convenience, hybrids are listed in increasing order of grain moisture content at harvest. Yield, standability, test weight, and other comparisons should be made between hybrids of similar maturity best adapted for the individual farm and farming operation.

Table 1. Performance of Hybrids Tested at Northwestern Branch, OARDC, 1976.

BRAND	HYBRID NO	PLANT RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE 2/ CROSS
MIGRO	M0101	27878	23871	132.0	18.6	7.6	0.3	85.6	SC
ASGROW	RX60	25091	23261	145.6	20.4	2.9	0.0	92.7	SC
SCHLESSMAN	SX405	25091	22913	149.9	20.7	1.1	0.0	91.3	SC
FUNKS	G4404	26484	22564	143.9	20.7	2.7	0.0	85.1	SC
VORIS	V2442	25091	22303	139.8	21.2	1.5	0.0	88.8	SC
CARGILL	863	26484	24306	150.7	21.6	5.0	0.0	91.7	SC
TROJAN	TXS105A	27878	25091	157.0	22.4	1.7	0.0	90.0	SC
NORTHRUP KING	PX46	27181	23000	150.6	22.5	3.0	0.0	84.6	SC
NORTHRUP KING	PX32	27181	24219	148.2	22.6	1.4	0.0	89.1	SC
NORTHRUP KING	PX585	27181	22477	139.4	22.7	5.6	0.0	82.6	3WC
SECURITY	SS106	26484	19776	139.2	22.9	2.1	0.0	74.6	SC
RUFFS	R77	27878	21606	143.9	22.9	1.2	0.0	77.5	SC
PIONEER	3780	24394	22825	157.5	22.9	1.5	0.0	93.5	SC
FUNKS	G4321A	26484	22651	148.0	23.0	1.8	0.0	85.5	SC
ASGROW	2445	22303	20735	142.3	23.1	4.3	0.0	92.9	SC
BAILEYS	SX437	25091	21954	163.3	23.1	1.2	0.0	87.4	SC
P-A-G	SX397	26484	24742	163.9	23.1	9.7	0.0	93.4	SC
LANDMARK	C611X	25091	22041	139.8	23.1	1.1	0.0	87.8	MSC
SECURITY	SS102	26484	23610	149.2	23.2	1.4	0.0	89.1	SC
ASGROW	RX58	25091	22477	131.9	23.3	3.1	0.0	89.5	SC
ANDERSON	AX5	26484	21780	140.6	23.4	2.4	0.0	82.2	MSC
SECURITY	SS108	24394	23435	171.7	23.4	2.6	0.0	96.0	SC
GSC	7X16	27878	23958	148.5	23.4	3.2	0.0	85.9	SC
ANDERSON	SSX	26484	22216	154.5	23.4	0.8	0.0	83.8	SC
PFISTER	21	26484	24481	149.2	23.5	0.7	0.0	92.4	SC
SUPER CROST	2470	24394	20386	152.6	23.6	1.7	0.0	83.5	MSC
MIGRO	M1130	27878	24219	145.5	23.6	2.9	0.0	86.8	SC
GUTWEIN	46	25091	21780	165.5	23.6	1.1	0.0	86.8	SC
PFISTER	21A	26484	24481	157.4	23.6	2.4	0.0	92.4	SC
O-Y-O	220	24394	22738	146.7	23.6	4.8	0.0	93.2	MSC
CARGILL	890	25091	22390	148.7	23.6	5.4	0.0	89.2	SC
SUPER CROST	2350	26484	22913	140.4	23.7	3.7	0.0	86.5	SC
PIONEER	3709	24394	21693	151.8	23.7	0.4	0.0	88.9	MSC
ASGROW	RX70A	25091	19602	142.4	23.8	0.8	0.0	78.1	SC
SEEDKEM	SKX40	27181	21519	143.8	23.8	2.3	0.0	79.1	SC
LANDMARK	C676X	25091	18731	141.5	23.9	1.3	0.0	74.6	MSC
CARGILL	434	26484	23871	153.8	24.0	3.6	0.0	90.1	3WC
TODD	M59	23000	20125	152.5	24.0	0.4	0.0	87.4	SC
WILSTAR	5555	22303	17947	137.6	24.0	1.0	0.0	80.4	SC
PFISTER	18	24394	21693	140.2	24.0	1.2	0.0	88.9	SC
O'S GOLD	SK1107	24394	17947	144.6	24.1	0.4	0.0	73.5	SC
SCHLESSMAN	SX520	25091	20299	135.6	24.1	1.7	0.0	80.9	SC
NORTHRUP KING	PX48	27181	23697	149.8	24.2	1.5	0.0	87.1	SC
O'S GOLD	SX1100	26484	21954	146.6	24.2	4.2	0.0	82.8	SC
SECURITY	SS105	26484	18469	128.1	24.2	4.1	0.0	69.7	SC
DENNIS	14A	25091	22825	159.8	24.3	1.1	0.0	90.9	SC
P-A-G	SX424	24394	22825	155.4	24.3	7.3	0.0	93.5	SC
PRAIRIE STREAM	SX1D	26484	22738	160.8	24.3	2.2	0.0	85.8	SC
GSC	7X15	25091	22216	135.2	24.3	3.1	0.0	88.5	SC
POWELL	426	26484	23087	145.9	24.4	2.6	0.0	87.1	SC
SUPER CROST	2890	24394	19428	149.2	24.5	1.3	0.0	79.6	SC
TROJAN	TXS108A	23000	20909	153.0	24.5	0.8	0.0	90.9	SC
FRENCHS	747	26484	22738	159.9	24.6	2.6	0.0	85.8	3WC
ACCO	UC4201	24394	20822	149.8	24.6	2.1	0.0	85.3	SC
CARGILL	875	26484	24394	156.7	24.8	1.1	0.0	92.1	SC
MIGRO	M0301	27878	24916	173.6	24.8	4.6	0.0	89.3	SC
WILSTAR	5550	24394	21780	137.0	24.9	2.3	0.0	89.2	SC
WALTON	WX308	23697	21606	165.3	25.0	2.3	0.0	91.1	SC
CARGILL	920	26484	22477	170.2	25.0	17.8	0.0	84.8	SC
ANDERSON	3W110	26484	22390	140.1	25.0	1.9	0.0	84.5	3WC
WILSTAR	6660	22303	19776	145.6	25.1	1.3	0.0	88.6	SC
RUPP	XR1650	23697	18731	154.3	25.1	1.7	0.0	79.0	MSC
VORIS	V2422	25091	21954	165.2	25.1	3.1	0.0	87.5	SC
ACCO	UC3301	25091	22128	135.2	25.2	0.7	0.0	88.1	SC
NORTHRUP KING	PX65	27181	21780	154.4	25.2	3.1	0.0	80.1	SC
SUPER CROST	2890A	24394	20996	145.0	25.2	3.2	0.0	86.0	MSC
DEKALB	XL43	28575	25178	156.2	25.3	2.8	0.0	88.1	SC
HULTING	X770	24394	21693	149.8	25.3	3.9	0.0	88.9	SC
PIONEER	3518	24394	21519	147.8	25.4	1.2	0.0	88.2	MSC
CAVENS	XC23	27878	21867	142.7	25.4	6.8	0.0	78.4	MSC
ASGROW	RX64	22303	20647	135.4	25.6	2.3	0.0	92.5	SC
MIGRO	M0501	23000	21083	161.4	25.6	1.2	0.0	91.6	SC
PFISTER	25	26484	24481	153.0	25.7	2.1	0.0	92.4	SC
FRENCHS	532	26484	23784	152.3	25.7	4.7	0.0	89.8	SC
PIONEER	3535	26484	23348	159.2	25.7	1.1	0.0	88.1	SC

Table I (Cont'd.)

BRAND	HYBRID NO	PLANT RATE[1] S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS
HANCOCK	X152	24394	22825	165.8	25.8	4.2	0.0	93.5	SSC
TROJAN	TX108	27878	24306	149.0	25.9	4.7	0.0	87.1	3WC
RIKER	RFS281	28575	23784	163.0	25.9	5.4	0.0	83.2	3WC
FRENCHS	M63	27878	23522	144.3	25.9	7.3	0.0	84.3	SC
ANDERSON	AX9	26484	23348	167.1	25.9	4.4	0.0	88.1	MSC
SEEDKEM	SKX66	27181	22564	143.1	25.9	3.4	0.0	83.0	SC
GSC	7X23	25091	21083	144.8	25.9	2.0	0.0	84.0	SC
SCHLESSMAN	SX666	25091	22303	167.3	25.9	4.6	0.0	88.8	MSC
POWELL	526	26484	22738	144.0	26.0	2.3	0.0	85.8	SC
PRAIRIE STREAM	SX5B	26484	24045	175.7	26.0	1.0	0.0	90.7	SC
HANCOCK	X133	25091	19776	132.5	26.0	0.4	0.0	78.8	SC
FUNKS	G4449	24394	20125	153.6	26.0	2.5	0.0	82.5	SC
MIGRO	M0505	23000	20299	181.3	26.1	0.8	0.0	88.2	SC
ROBINSON	R3225	25091	22303	159.1	26.1	1.1	0.0	88.8	MSC
HULTING	X322	24394	21170	150.6	26.2	5.4	0.0	86.7	SC
DEKALB	XL54	26484	23610	158.4	26.3	7.0	0.0	89.1	SC
RUFFS	R224	27878	23784	169.3	26.4	5.8	0.0	85.3	MSC
P-A-G	314	26484	24045	181.7	26.4	1.4	0.0	90.7	SC
WALTON	WX50	23697	20473	164.8	26.5	4.2	0.0	86.3	SC
MARK	M2185	23000	19776	164.0	26.5	0.4	0.0	85.9	MSC
HANCOCK	X155	24394	22651	162.4	26.6	3.4	0.0	92.8	SC
BAILEYS	SP645	25091	21780	173.2	26.7	4.6	0.0	86.8	3WC
O-Y-O	320	24394	21867	162.9	26.7	1.5	0.0	89.6	3WC
SEEDKEM	SKX56	24394	21693	165.3	26.7	4.7	0.0	88.9	SC
O-Y-O	333	24394	18731	149.6	26.8	2.4	0.0	76.7	MSC
SEEDKEM	SKX76	24394	21257	172.7	26.8	2.5	0.0	87.1	SC
PFISTER	54	24394	21257	147.1	26.8	2.5	0.0	87.1	SC
ACCO	UC7601	23000	21780	162.5	26.9	2.4	0.0	94.6	SC
RUFFS	R180	27878	17772	142.9	26.9	3.8	0.0	63.7	MSC
TROJAN	TXS115A	23000	20299	179.1	27.0	1.2	0.0	88.2	SC
ROBINSON	R3827	25091	21780	178.0	27.0	2.1	0.0	86.8	SC
WALTON	WX40	23697	21519	179.1	27.0	2.8	0.0	90.8	SC
PREMIER	633	25091	22913	174.2	27.0	0.0	0.0	91.3	SC
RIKER	RFS265	29969	17163	136.9	27.1	1.5	0.0	57.2	MSC
GRIES	X610	23000	18731	140.6	27.2	3.7	0.0	81.4	SC
DENNIS	47A	25091	20735	167.3	27.2	2.4	0.0	82.6	SC
MUNCY CHIEF	SX662	26484	21867	139.8	27.3	1.9	0.0	82.5	SC
MUNCY CHIEF	SX777	26484	23348	160.0	27.3	0.3	0.0	88.1	SC
TODD	MX73	23000	21170	164.0	27.4	1.6	0.0	92.0	SC
FRENCHS	M73	27878	21954	170.3	27.4	1.9	0.0	78.7	SC
CHECK	545XB37	26484	14965	145.1	27.4	0.6	0.0	56.5	SC
DEKALB	XL64	26484	23871	166.9	27.5	4.4	0.0	90.1	SC
RUFFS	R150	27878	25788	163.5	27.6	3.1	0.0	92.5	SC
VORIS	V2562	23000	20560	153.7	27.6	1.2	0.0	89.3	MSC
RUPP	XR1825	23000	21083	168.4	27.6	0.8	0.0	91.6	SC
DENNIS	37E	25091	20996	172.4	27.6	0.0	0.0	83.6	SC
BAILEYS	SX637	25091	22126	171.3	27.7	1.1	0.0	88.1	SC
CAVENS	XC75	27878	22736	162.4	27.7	3.8	0.0	81.5	MSC
RUFFS	R122	27878	23784	165.3	27.7	1.7	0.0	85.3	SC
ROBINSON	R3825	25091	20473	150.6	27.8	1.6	0.0	81.5	MSC
VORIS	V2542	22303	20212	166.5	28.0	3.0	0.0	90.6	SC
MARK	M2182	23000	19776	164.1	28.0	0.4	0.0	85.9	SC
MUNCY CHIEF	H764	24394	19166	150.3	28.2	1.7	0.0	78.5	DC
WALTON	WX150	22303	20822	169.1	28.2	0.0	0.0	93.3	3WC
GUTWEIN	62	25091	22128	173.9	28.4	1.2	0.0	88.1	SC
GRIES	X530	23000	19602	139.2	28.4	4.0	0.0	85.2	SC
FUNKS	G4507	23000	19515	163.9	28.4	0.9	0.0	84.8	SC
PORTER	MX69	23000	19426	174.1	28.6	1.8	0.0	84.4	SC
FUNKS	G4520	23000	21780	162.4	28.6	1.6	0.0	94.6	SC
POWELL	680	25091	21257	173.9	28.6	1.2	0.0	84.7	SC
ANDERSON	SSL	26484	23348	171.7	28.8	1.4	0.0	88.1	SC
DENNIS	37	25091	23261	174.2	28.9	3.4	0.0	92.7	SC
SUPER CROST	5440	24394	20386	173.9	29.0	1.2	0.0	83.5	SC
PREMIER	622N	27878	22216	152.1	29.3	1.5	0.0	79.6	SC
LANDMARK	C757X	24394	18208	154.3	29.4	4.8	0.0	74.6	MSC
LANDMARK	C828X	25091	23261	161.9	29.5	1.8	0.0	92.7	MSC
GSC	7X25	25091	19863	169.1	29.5	1.8	0.0	79.1	SC
LANDMARK	C747X	25091	20822	171.7	29.7	4.0	0.0	82.9	SC
VORIS	V2552	22303	19863	168.2	29.8	1.7	0.0	89.0	SC
HULTING	X880	24394	20125	169.0	30.8	1.3	0.0	82.5	SC
MUNCY CHIEF	SX808B	24394	17163	143.7	30.8	0.5	0.0	70.3	SC
O-Y-O	475	24394	18382	138.9	30.9	1.5	0.0	75.3	SC
MUNCY CHIEF	SX878	24394	20996	155.8	32.5	6.0	0.0	86.0	SC
AVERAGE ALL ENTRIES			21736.	155.2	25.7	2.6	0.0	85.8	
LSD.Pr.05			2027.	11.9	1.9	3.4	0.0	7.9	

[1] As indicated by producer.

[2] SC - Single Cross; MSC - Modified Single Cross; SSC - Special Single Cross; 3WC - Three-Way Cross; DC - Double Cross.

Table 2. Performance of Hybrids Tested at Findlay, Ohio, 1976.

BRAND	HYBRID NO	PLANT RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS	PLANT HT.IN	EAR HT.IN	DAY[3] MID SILK	TEST WT.
MIGRO	M0101	27878	24568	135.5	16.4	9.1	0.0	88.1	SC	87	44	201	58.2
ASGROW	RX60	25091	23610	149.3	17.0	8.6	0.0	94.0	SC	88	43	205	59.4
CARGILL	863	26484	23000	140.4	17.5	21.4	0.0	86.8	SC	90	44	201	56.8
NORTHRUP KING	PX46	27181	24132	152.4	17.7	5.9	0.0	88.7	SC	89	42	202	57.0
VORIS	V2442	25091	21257	141.7	17.7	3.3	0.0	84.7	SC	88	41	205	58.6
SCHLESSMAN	SX405	25091	23435	132.6	17.8	7.0	0.0	93.4	SC	88	40	205	59.3
FUNKS	G4404	26484	23000	142.8	17.9	10.4	0.0	86.8	SC	90	42	204	59.2
CARGILL	434	26484	25003	145.8	18.2	14.8	0.0	94.4	3WC	90	40	204	56.1
SUPER CROST	2350	26484	23697	164.1	18.2	6.7	0.0	89.4	SC	88	40	201	56.4
FUNKS	G4321A	26484	24219	156.9	18.7	3.6	0.0	91.4	SC	91	40	202	56.9
MIGRO	M1130	27878	25178	132.9	18.7	6.5	0.0	90.3	SC	90	41	202	57.0
PIONEER	3780	24394	22738	156.7	18.7	3.4	0.0	93.2	SC	85	39	202	56.5
RUFFS	R77	27878	23610	142.6	18.8	9.2	0.0	84.6	SC	89	42	203	57.8
O-Y-O	220	24394	22041	128.8	18.9	10.2	0.0	90.3	MSC	89	42	206	57.7
SUPER CROST	2470	24394	22216	154.2	19.0	2.7	0.0	91.0	MSC	90	44	203	55.3
SECURITY	SS108	24394	24045	156.4	19.0	3.6	0.0	98.6	SC	94	45	202	55.3
NORTHRUP KING	PX32	27181	24394	145.3	19.2	5.7	0.0	89.7	SC	89	42	201	59.1
ANDERSON	SSX	26484	22913	155.0	19.2	1.8	0.0	86.5	SC	93	45	202	55.0
GUTWEIN	46	25091	22913	158.4	19.2	1.0	0.0	91.3	SC	92	45	203	55.3
NORTHRUP KING	PX585	27181	25265	132.5	19.3	10.5	0.0	92.9	3WC	94	43	204	55.7
CARGILL	875	26484	23610	143.9	19.3	13.0	0.0	89.1	SC	89	41	201	55.7
CARGILL	890	25091	24306	154.5	19.5	31.8	0.0	96.8	SC	95	45	201	55.5
SCHLESSMAN	SX520	25091	22303	138.7	19.5	5.6	0.0	88.8	SC	89	41	203	56.7
O'S GOLD	SK1107	24394	21954	151.2	19.5	0.8	0.0	89.9	SC	90	42	203	55.5
PFISTER	18	24394	22564	145.2	19.5	8.9	0.0	92.4	SC	85	37	202	53.6
TROJAN	TXS105A	27878	23958	153.9	19.6	23.7	0.0	85.9	SC	94	45	205	54.9
POWELL	426	26484	24132	151.7	19.7	2.1	0.0	91.1	SC	93	43	203	55.3
SEEDKEM	SKX40	27181	23435	147.1	19.8	8.9	0.0	86.2	SC	87	41	203	57.0
SECURITY	SS105	26484	23697	159.0	19.8	2.5	0.0	89.4	SC	86	36	201	54.0
ANDERSON	AX5	26484	22303	142.8	19.9	4.4	0.0	84.2	MSC	88	39	204	55.5
TODD	M59	23000	20735	157.9	19.9	1.6	0.0	90.1	SC	95	44	204	54.9
HULTING	X770	24394	21954	151.1	19.9	6.3	0.0	89.9	SC	95	44	203	53.4
SUPER CROST	2890	24394	20996	155.0	20.0	0.8	0.0	86.0	SC	93	42	205	55.1
P-A-G	SX397	26484	24655	144.5	20.0	43.9	0.0	93.0	SC	95	42	201	54.6
PFISTER	21	26484	23522	161.2	20.0	7.6	0.0	88.8	SC	91	40	201	53.5
ASGROW	RX58	25091	21519	157.2	20.2	11.8	0.0	85.7	SC	87	38	201	53.6
ASGROW	2445	22303	21780	138.5	20.2	15.2	0.0	97.6	SC	90	40	202	57.4
TROJAN	TXS108A	23000	21344	153.8	20.3	1.6	0.0	92.8	SC	92	42	205	53.2
PFISTER	21A	26484	25265	144.9	20.4	4.5	0.0	95.3	SC	91	44	203	55.3
WILSTAR	5555	22303	21083	165.0	20.4	2.7	0.0	94.5	SC	92	41	204	54.2
CAVENS	XC23	27878	23261	136.8	20.5	10.7	0.0	83.4	MSC	83	36	204	54.0
PRAIRIE STREAM	SX10	26484	23958	153.6	20.6	2.8	0.0	90.4	SC	96	46	205	53.3
O'S GOLD	SX1100	26484	24132	147.3	20.6	5.9	0.0	91.1	SC	84	37	201	53.6
LANDMARK	C676X	25091	21432	145.3	20.6	5.5	0.0	85.4	MSC	81	36	204	56.2
SECURITY	SS106	26484	20735	143.6	20.7	2.9	0.0	78.2	SC	80	36	204	56.4
NORTHRUP KING	PX65	27181	23000	144.3	20.7	9.5	0.3	84.6	SC	95	45	205	50.0
WILSTAR	5550	24394	20647	147.1	20.7	1.2	0.0	84.6	SC	87	39	202	53.2
GSC	7X16	27878	24481	132.3	20.8	1.8	0.0	87.8	SC	91	40	201	56.7
GSC	7X15	25091	22651	142.7	20.8	12.7	0.0	90.2	SC	90	42	204	56.7
SUPER CROST	2890A	24394	20473	139.5	20.9	3.8	0.0	83.9	MSC	96	46	205	53.0
VORIS	V2422	25091	22041	151.2	21.0	12.4	0.0	87.8	SC	88	43	202	54.8
RUPP	XR1650	23697	20386	152.7	21.0	2.9	0.0	86.0	MSC	93	43	204	52.2
ACCO	UC4201	24394	21867	155.6	21.0	9.6	0.0	89.6	SC	84	38	202	53.0
BAILEYS	SX437	25091	23000	162.4	21.2	2.7	0.0	91.6	SC	96	45	206	51.4
GSC	7X23	25091	22913	153.9	21.2	5.7	0.0	91.3	SC	98	45	204	52.3
HANCOCK	X152	24394	22913	156.4	21.3	11.2	0.0	93.9	SSC	97	44	204	52.2
FRENCHS	747	26484	24045	162.9	21.3	8.3	0.0	90.7	3WC	92	44	206	51.3
ACCO	UC3301	25091	22738	144.6	21.4	5.6	0.0	90.6	SC	89	38	202	52.8
DEKALB	XL43	28575	24568	143.2	21.4	9.4	0.0	85.9	SC	79	37	202	54.0
LANDMARK	C611X	25091	20735	139.7	21.5	7.9	0.0	82.6	MSC	89	40	207	53.2
SCHLESSMAN	SX666	25091	23261	137.5	21.5	23.8	0.0	92.7	MSC	93	43	205	51.0
PIONEER	3709	24394	22216	158.9	21.6	0.8	0.0	91.0	MSC	86	40	202	54.2
WALTON	WX30B	23697	21432	160.3	21.6	5.6	0.0	90.4	SC	98	45	206	52.7
DENNIS	14A	25091	23435	143.5	21.6	3.5	0.3	93.4	SC	94	45	204	51.5
ASGROW	RX64	22303	18557	145.3	21.7	6.4	0.4	83.2	SC	86	39	200	54.0
P-A-G	SX424	24394	23871	148.5	21.7	17.1	0.0	97.8	SC	93	44	203	54.2
SECURITY	SS102	26484	25091	152.8	21.7	4.4	0.0	94.7	SC	91	46	202	58.0
NORTHRUP KING	PX48	27181	24655	153.5	21.7	6.9	0.0	90.7	SC	86	37	200	53.5
MIGRO	M0301	27878	24916	160.9	21.7	15.6	0.0	89.3	SC	91	43	203	54.5
DENNIS	47A	25091	20125	153.6	21.8	5.7	0.0	80.2	SC	89	39	206	51.2
PIONEER	3518	24394	22913	156.0	21.8	3.7	0.0	93.9	MSC	88	37	201	52.8
ASGROW	RX70A	25091	22128	139.4	21.8	11.1	0.0	88.1	SC	93	40	205	54.5
FRENCHS	532	26484	24829	145.3	21.8	18.2	0.0	93.7	SC	86	40	203	53.5
WILSTAR	6660	22303	20560	143.2	21.9	3.4	0.0	92.1	SC	98	45	204	50.9
TROJAN	TX108	27878	24916	140.3	22.0	20.3	0.0	89.3	3WC	95	43	206	53.5

Table 2 (Cont'd.)

BRAND	HYBRID NO	PLANT[1] RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS	PLANT HT.IN	EAR HT.IN	DAY[3] MID SILK	TEST WT.
ANDERSON	3W110	26484	23174	133.4	22.1	7.7	0.0	87.5	3WC	96	41	203	52.6
RUFFS	R224	27878	23871	157.2	22.2	11.2	0.0	85.6	MSC	94	44	205	50.3
HULTING	X322	24394	21170	151.8	22.3	14.4	0.0	86.7	SC	91	43	203	55.7
O-Y-O	320	24394	23348	164.8	22.3	1.9	0.0	95.7	3WC	97	46	205	51.1
WALTON	WX50	23697	21780	160.3	22.4	5.5	0.0	91.9	SC	93	42	204	50.4
PIONEER	3535	26484	25352	153.0	22.5	3.8	0.0	95.7	SC	85	47	204	54.0
FUNKS	G4449	24394	21519	156.0	22.5	3.6	0.0	88.2	SC	93	42	202	53.4
FRENCHS	M63	27878	23871	140.4	22.6	7.2	0.0	85.6	SC	95	42	207	52.9
TROJAN	TXS115A	23000	21954	177.4	22.8	1.5	0.0	95.4	SC	98	47	205	52.0
PRAIRIE STREAM	SX58	26484	25875	161.7	22.8	2.3	0.0	97.6	SC	97	46	206	51.0
DEKALB	XL54	26484	22128	154.3	22.8	21.2	0.0	83.5	SC	92	40	203	54.8
RIKER	RFS281	28575	26049	156.8	23.0	19.2	0.0	91.1	3WC	99	46	206	52.2
PFISTER	54	24394	22825	139.2	23.0	9.4	0.4	93.5	SC	91	43	206	51.0
ANDERSON	AX9	26484	23958	142.0	23.1	22.9	0.0	90.4	MSC	96	43	206	49.8
GRIES	X530	23000	20386	129.7	23.1	10.6	0.0	88.6	SC	95	41	206	49.7
PFISTER	25	26484	23697	144.2	23.1	21.1	0.0	89.4	SC	89	41	202	54.5
MIGRO	M0501	23000	20647	167.1	23.1	0.8	0.0	89.7	SC	95	46	206	50.9
HANCOCK	X155	24394	23784	165.4	23.1	7.3	0.0	97.5	SC	97	45	205	51.3
POWELL	526	26484	22564	140.9	23.2	14.4	0.0	85.1	SC	87	41	201	54.0
CARGILL	920	26484	24916	147.8	23.2	21.9	0.0	94.0	SC	94	44	203	54.1
RUFFS	R180	27878	20647	126.7	23.3	14.8	0.0	74.0	MSC	96	43	206	53.5
POWELL	680	25091	22216	163.5	23.4	3.9	0.0	88.5	SC	98	47	204	50.7
ROBINSON	R3225	25091	22913	161.9	23.5	4.1	0.0	91.3	MSC	97	43	207	52.4
FRENCHS	M73	27878	24045	176.2	23.7	6.2	0.0	86.2	SC	97	46	205	50.4
SEEDKEM	SKX66	27181	21867	134.1	23.7	29.8	0.0	80.4	SC	90	41	208	52.9
RUFFS	R150	27878	25091	138.9	23.8	21.1	0.0	90.0	SC	96	43	204	52.4
VORIS	V2562	23000	21257	140.9	23.8	10.7	0.0	92.4	MSC	94	40	204	51.9
RIKER	RFS265	29969	22303	162.9	23.9	4.1	0.0	74.4	MSC	96	45	206	50.9
DENNIS	37E	25091	21693	161.6	24.1	5.9	0.0	86.4	SC	95	44	204	53.3
SEEDKEM	SKX56	24394	23348	153.6	24.1	9.3	0.0	95.7	SC	98	47	207	51.0
LANDMARK	C797X	25091	22216	166.6	24.1	0.7	0.0	88.5	SC	98	47	207	50.8
O-Y-O	475	24394	21083	151.4	24.2	3.4	0.0	86.4	SC	96	45	207	51.4
BAILEYS	SX637	25091	23784	168.9	24.2	0.7	0.0	94.7	SC	98	49	205	50.8
HANCOCK	X133	25091	22651	144.6	24.2	6.3	0.0	90.2	SC	80	32	202	52.1
DEKALB	XL64	26484	24742	154.2	24.3	25.6	0.0	93.4	SC	89	39	201	50.9
RUFFS	R122	27878	25962	154.5	24.3	9.6	0.0	93.1	SC	96	44	205	51.5
CAVENS	XC73	27878	23958	155.3	24.4	10.9	0.0	85.9	MSC	95	43	206	50.2
BAILEYS	SP645	25091	24394	175.3	24.4	10.7	0.0	97.2	3WC	98	46	205	51.8
TODD	MX73	23000	20822	154.3	24.6	2.9	0.0	90.3	SC	97	48	206	51.2
WALTON	WX40	23697	22128	179.9	24.6	2.6	0.0	93.3	SC	98	47	206	50.5
FUNKS	G4507	23000	21257	163.8	24.7	1.6	0.0	92.4	SC	96	46	206	53.2
FUNKS	G4520	23000	21257	155.1	24.7	4.6	0.0	92.4	SC	96	42	204	53.1
DENNIS	37	25091	23435	183.3	24.7	0.7	0.0	93.4	SC	99	47	207	51.3
SUPER CROST	5440	24394	20909	165.7	24.7	1.9	0.0	85.7	SC	98	49	208	50.4
ACCO	UC7601	23000	21083	150.7	24.8	17.6	0.0	91.6	SC	97	42	203	50.9
P-A-G	314	26484	25613	168.0	24.9	3.3	0.0	96.7	SC	98	47	204	52.0
ROBINSON	R3825	25091	23871	142.0	24.9	11.2	0.0	95.1	MSC	95	43	208	51.6
ROBINSON	R3827	25091	21780	173.7	24.9	1.8	0.0	86.8	SC	96	44	206	51.0
VORIS	V2532	22303	20386	164.5	25.3	3.4	0.0	91.4	SC	96	46	206	52.2
GRIES	X610	23000	20735	136.1	25.5	8.8	0.0	90.1	SC	93	40	205	52.7
VORIS	V2542	22303	21170	147.7	25.6	5.7	0.0	94.9	SC	96	45	206	51.0
O-Y-O	333	24394	21519	155.3	25.6	12.5	0.0	88.2	MSC	90	37	205	52.5
PREMIER	633	25091	21344	162.0	25.7	0.4	0.0	85.0	SC	97	47	207	49.5
SEEDKEM	SKX76	24394	22477	142.2	25.8	8.5	0.0	92.1	SC	99	45	206	52.0
RUPP	XR1825	23000	21606	168.9	26.0	1.9	0.0	93.9	SC	97	48	206	51.1
GSC	7X25	25091	22738	171.7	26.3	0.4	0.0	90.6	SC	97	48	206	50.0
LANDMARK	C757X	24394	23348	158.8	26.3	2.6	0.0	95.7	MSC	97	43	205	51.2
CHECK	545X837	26484	19950	134.0	26.4	21.4	0.0	75.3	SC	84	36	203	51.8
MUNCY CHIEF	SX662	26484	23174	133.3	26.4	12.5	0.0	87.5	SC	91	39	206	49.8
MUNCY CHIEF	SX777	26484	23610	149.2	26.6	16.1	0.0	89.1	SC	98	45	207	52.4
PORTER	MX69	23000	21606	172.0	26.8	2.0	0.0	93.9	SC	100	50	206	50.5
GUTWEIN	62	25091	23000	177.9	26.8	0.4	0.0	91.6	SC	97	45	207	48.7
HULTING	X880	24394	22477	165.6	26.9	0.8	0.0	92.1	SC	97	46	206	49.6
ANDERSON	SSL	26484	23610	159.3	27.0	1.1	0.0	89.1	SC	95	44	207	50.3
LANDMARK	C828X	25091	22128	144.3	27.0	11.9	0.0	88.1	MSC	96	41	204	50.4
MIGRO	M0505	23000	20735	162.1	27.1	1.4	0.0	90.1	SC	96	45	206	46.9
MARK	M2162	23000	20909	166.9	27.2	2.4	0.0	90.9	SC	95	45	206	49.9
MARK	M2165	23000	20996	154.5	27.3	1.7	0.0	91.2	MSC	93	43	204	50.0
PREMIER	622N	27878	23261	141.2	27.6	9.4	0.0	83.4	SC	97	45	205	51.2
WALTON	WX150	22303	21083	150.4	28.2	12.4	0.0	94.5	3WC	94	45	206	49.6
MUNCY CHIEF	H764	24394	22041	137.0	30.0	20.2	0.0	90.3	DC	95	44	207	50.0
MUNCY CHIEF	SX808B	24394	20735	115.5	30.6	17.7	0.0	85.0	SC	93	39	207	49.2
MUNCY CHIEF	SX878	24394	22390	118.2	33.4	35.6	0.0	91.7	SC	97	43	208	50.3
AVERAGE ALL ENTRIES			22739.	151.4	22.4	8.6	0.0	89.9		92.	43.	204.	53.1
LSD.P=.05			2052.	14.0	2.2	7.1	0.1	9.5		5.	3.	2.	1.8

[1] As indicated by producer.

[2] SC - Single Cross; MSC - Modified Single Cross; SSC - Special Single Cross; 3WC - Three-Way Cross; DC - Double Cross.

[3] Average calendar day of year -- Subtract 131 to determine days from planting to silking.

Table 3. Two-, Three- and Four-year Hybrid Performance, Northwestern Ohio.

BRAND	HYBRID NO.	PLANT RATE S/A [1]	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE CROSS [2]	PLANT HT.IN	EAR HT.IN	DAY MID SILK [3]	TEST WT.
MIGRO	M0101	27878	23958	146.3	17.3	5.1	3.6	85.9	SC	87	46	198	58.0
ASGROW	RX60	25091	22738	155.6	18.8	5.9	0	90.6	SC	86	42	204	58.8
FUNKS	G4404	26484	23784	155.1	19.0	5.0	.2	89.8	SC	86	42	203	58.4
SCHLESSMAN	SX405	24394	22216	147.5	19.1	4.7	.4	91.0	SC	83	40	203	58.4
CARGILL	863	26484	23740	158.1	19.7	9.6	2.4	89.6	SC	89	44	198	55.6
PIONEER	3780	24394	22847	172.0	20.2	2.1	1.6	93.7	SC	85	42	200	55.6
NORTHRUP KING	PX46	26136	21628	157.6	20.2	4.2	.6	82.6	SC	88	44	200	56.0
FUNKS	G4321A	26528	23740	164.7	20.2	2.8	8.3	89.5	SC	90	42	200	56.2
SUPER CROST	2470	24394	21388	159.4	20.4	1.8	5.7	87.7	MSC	90	46	201	54.1
SECURITY	SS108	24394	22368	166.0	20.8	2.7	3.6	91.7	SC	90	44	200	54.1
TORJAN	TXS10SA	27878	25352	168.6	20.9	10.3	5.7	90.9	SC	93	48	202	53.8
GUTWEIN	46	24743	22172	168.4	20.9	1.2	1.7	89.6	SC	90	45	201	54.4
ANDERSON	AX5	25091	21954	152.7	20.9	4.3	.8	87.8	MSC	87	41	202	55.3
SEEDKEM	SKX40	26833	22564	157.8	21.0	5.9	2.3	84.1	SC	86	42	201	56.2
O-Y-O	220	24394	22542	146.7	21.0	6.6	.2	92.4	MSC	88	43	204	56.4
SUPER CROST	2890	24394	20952	164.1	21.1	1.7	2.9	85.9	SC	91	45	202	54.3
SCHLESSMAN	SX520	24394	21453	150.3	21.2	4.5	2.4	88.0	SC	89	44	200	55.4
GSC	7X16	27878	24329	161.8	21.2	2.5	1.1	87.3	SC	90	42	200	56.3
MIGRO	M1130	27878	24699	164.9	21.3	4.2	2.3	88.6	SC	88	44	200	55.8
ASGROW	RX58	25091	21802	156.9	21.4	5.8	9.6	86.9	SC	85	40	200	53.4
O'S GOLD	SX11DD	25439	22651	154.6	21.5	4.2	7.0	89.1	SC	84	38	198	53.5
LANDMARK	C611X	24742	22107	157.9	21.5	3.7	.6	89.4	MSC	86	42	203	52.8
GSC	7X15	25091	21911	148.5	21.5	7.4	.8	87.3	SC	87	42	202	56.3
CARGILL	875	26528	24002	160.6	21.5	5.2	2.4	90.5	SC	88	42	198	54.3
POWELL	426	26484	24002	167.2	21.6	2.8	3.6	90.6	SC	90	44	200	55.0
SECURITY	SS105	26484	21671	152.2	21.7	3.0	4.9	81.8	SC	84	38	199	53.4
BAILEYS	SX437	25439	22543	166.0	21.8	4.2	1.2	88.7	SC	94	48	204	51.5
TROJAN	TXS108A	23000	21540	160.4	21.8	3.8	4.6	93.7	SC	92	44	203	52.6
P-A-G	SX397	25439	23762	163.6	21.8	14.9	7.0	93.4	SC	92	44	202	53.0
CARGILL	890	25091	23022	159.8	21.8	11.6	11.0	91.8	SC	93	46	199	53.4
SUPER CROST	2890A	24394	19537	147.4	22.0	3.5	1.0	80.1	MSC	92	46	204	52.5
HULTING	X770	24394	22651	162.2	22.0	5.9	3.4	92.9	SC	92	46	202	52.0
PRAIRIE STREAM	SX10	26484	23392	167.4	22.0	3.9	3.1	88.3	SC	95	48	203	52.0
GSC	7X23	25091	21758	158.0	22.4	3.6	5.7	86.7	SC	94	48	202	51.6
ASGROW	RX64	22303	20081	158.7	22.4	4.3	3.1	90.1	SC	82	40	199	54.0
NORTHRUP KING	PX65	26136	21671	160.3	22.4	6.5	2.6	82.9	SC	94	48	204	49.8
NORTHRUP KING	PX48	26136	23436	162.3	22.4	4.0	8.6	89.7	SC	86	40	200	52.9
ACCO	UC4201	25439	22325	170.3	22.5	5.6	1.9	87.8	SC	84	40	198	53.4
ASGROW	RX70A	25178	22433	152.8	22.6	4.5	1.6	89.1	SC	92	44	204	53.7
DEKALB	XL43	28226	23915	160.2	22.6	3.6	1.0	84.7	SC	80	38	200	54.0
HANCOCK	X152	25788	24394	171.0	23.0	7.6	2.7	94.6	SSC	94	46	202	50.8
FUNKS	G4449	24394	21998	159.1	23.1	2.5	7.4	90.2	SC	90	42	200	53.6
FRENCHS	532	25788	23827	160.4	23.2	8.2	8.7	92.4	SC	86	42	200	53.8
P-A-G	SX424	24394	23087	158.7	23.2	7.3	7.9	94.7	SC	92	45	202	52.7
PIONEER	3535	26484	24568	169.7	23.3	1.8	.1	92.8	SC	88	48	203	54.6
HULTING	X322	24394	21649	155.8	23.4	6.2	.1	88.8	SC	86	42	202	54.6
PIONEER	3518	24394	22608	164.0	23.4	1.9	1.1	92.7	MSC	86	40	200	52.0
RUFFS	R224	27181	23849	166.0	23.5	7.4	4.7	87.8	MSC	94	48	204	50.6
MIGRO	M0501	23000	21083	169.9	23.6	2.9	3.1	91.7	SC	94	50	204	50.4
ROBINSON	R3225	25788	23218	164.0	23.7	3.6	3.6	90.1	MSC	95	46	205	51.9
POWELL	526	26484	23457	161.2	23.7	6.0	8.5	88.6	SC	86	42	198	54.3
DEKALB	XL54	27181	23152	170.0	23.7	8.4	6.9	85.2	SC	89	42	200	54.8
CARGILL	920	26484	23980	166.4	23.9	12.4	11.9	90.6	SC	92	46	203	53.0
SEEDKEM	SKX66	26833	23588	144.6	24.1	11.0	1.0	88.0	SC	88	40	204	53.3
RIKER	RFS281	28226	24329	158.8	24.4	10.2	4.8	86.2	SWC	96	48	204	51.6
TROJAN	TXS115A	23000	21497	178.5	24.5	3.5	5.9	93.5	SC	96	50	204	51.6
DEKALB	XL64	27181	24285	172.4	24.6	8.9	8.1	89.4	SC	86	42	199	51.6
PRAIRIE STREAM	SX5B	26484	24982	179.4	24.9	3.7	3.7	94.3	SC	94	47	204	51.5
FRENCHS	M73	26136	23196	181.1	25.1	6.1	2.7	89.2	SC	94	48	204	50.5
FUNKS	G4507	23000	21236	174.8	25.1	3.6	3.4	92.3	SC	94	46	204	51.4
MUNCY CHIEF	SX662	26484	23828	149.8	25.3	6.5	8.7	90.0	SC	89	42	202	50.4
RUFFS	R122	27094	24677	164.9	25.5	4.8	4.9	91.1	SC	94	46	202	52.1
LANDMARK	C747X	24742	22020	179.0	25.5	3.8	5.1	89.1	SC	96	48	202	50.5
GRIES	X610	23697	20887	162.7	25.5	4.6	1.1	88.1	SC	91	43	204	53.2
VORIS	V2562	23000	21388	166.8	25.5	4.6	3.8	93.0	MSC	94	42	202	52.6
O-Y-O	333	24394	20953	154.9	25.6	6.7	.3	85.9	MSC	86	39	202	52.4
RUFFS	R150	27181	25200	163.1	25.8	8.5	2.9	92.8	SC	94	45	202	52.7
MUNCY CHIEF	SX777	26484	22194	152.1	25.9	8.2	2.6	83.8	SC	94	46	206	53.0
PORTER	NX69	23000	21562	178.5	25.9	2.8	.7	93.8	SC	97	52	204	51.0
VORIS	V2542	22303	21301	165.4	26.0	3.1	7.4	95.5	SC	93	46	204	52.3

Table 3 (Cont'd.)

BRAND	HYBRID NO.	PLANT[1] RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS	PLANT HT. IN	EAR HT. IN	DAY[3] MID SILK	TEST WT.
SUPER CROST	5440	24394	20125	169.6	26.1	2.8	.6	82.5	SC	94	47	204	50.0
VORIS	V2532	22303	20800	176.1	26.2	4.0	1.0	93.3	SC	94	48	204	51.5
MARX	M2182	21954	19602	165.8	26.3	2.5	3.3	89.3	SC	94	48	204	50.6
CHECK	545xB37	26484	18927	152.9	26.5	6.4	4.0	71.5	SC	84	39	202	52.1
GSC	7X25	25439	21366	170.6	26.7	2.1	2.5	84.0	SC	94	48	206	50.7
MUNCY CHIEF	H764	24394	21540	151.0	27.0	9.8	3.5	88.3	DC	93	46	204	51.8
LANDMARX	C828X	25091	23348	168.9	27.4	5.4	6.1	93.1	MSC	94	43	202	51.0
MUNCY CHIEF	SX878	24394	20234	140.9	31.3	13.2	1.8	83.0	SC	96	46	206	51.4
Average[4]			22546	161.8	23.0	5.4	3.7	89.1		90	44	202	53.3
Average[5]			22463	160.8	23.3	5.1	3.4	89.0		90	45	202	53.0

THREE- AND FOUR-YEAR AVERAGE

Brand	Hybrid No.	Yield 3-yr Bu/A	Yield 4-yr Bu/A	Moisture at harvest 3-yr %	Moisture at harvest 4-yr %	Stalk Lodging 3-yr %	Stalk Lodging 4-yr %	Emergence 3-yr %	Emergence 4-yr %	Type[2] Cross
FUNKS	G4404	140.0	138.8	19.2	18.5	3.9	8.0	91.0	91.2	SC
ASGROW	RX60	140.3		19.3		4.8		92.1		SC
SCHLESSMAN	SX405	134.1	136.5	19.4	19.3	3.8	6.4	90.4	90.1	SC
CARGILL	863	142.0		20.3		6.9		87.8		SC
PIONEER	3780	152.7	154.9	20.4	19.6	1.6	2.6	92.1	90.1	SC
ANDERSON	AX5	136.9	140.2	21.3	20.9	3.6	4.6	87.6	88.2	MSC
O-Y-O	220	130.1	132.5	21.4	20.2	4.7	7.5	93.0	93.3	MSC
SUPER CROST	2890	151.1		21.4		2.1		86.3		SC
GSC	7X16	145.1		21.5		2.2		86.5		SC
SCHLESSMAN	SX520	136.5		21.7		3.1		87.2		SC
MIGRO	M1130	147.0	148.7	21.7	20.9	3.2	3.7	87.8	89.1	SC
GSC	7X1S	134.7	138.3	21.9	21.0	5.7	6.0	87.5	87.3	SC
BAILEYS	SX437	146.6		21.9		2.9		87.9		SC
CARGILL	875	143.8	145.4	22.2	21.2	4.3	6.2	88.5	90.3	SC
ASGROW	RX58	139.7	142.9	22.3	21.3	4.1	6.6	88.8	89.4	SC
O'S GOLD	SX1100	139.8		22.3		3.3		88.5		SC
TROJAN	TXS108A	142.9	147.7	22.3	21.7	3.0	3.0	93.5	94.0	SC
CARGILL	890	142.5		22.7		8.7		90.1		SC
HULTING	X770	146.6	147.0	22.7	21.9	5.6	6.2	91.2	92.0	SC
NORTHRUP KING	PX65	141.1		22.8		4.9		85.3		SC
P-A-G	SX397	147.0		23.0		10.5		92.0		SC
ASGROW	RX64	144.2	146.1	23.0	22.1	3.7	9.0	90.9	92.5	SC
ACCO	UC4201	154.5		23.0		4.0		87.3		SC
NORTHRUP KING	PX48	146.6		23.2		3.1		90.1		SC
PIONEER	3535	151.5		23.3		1.5		90.4		SC
HULTING	X322	141.3		23.5		4.3		88.2		SC
HANCOCK	X1S2	153.2	154.0	23.6	22.6	5.7	6.5	92.6	93.4	SSC
FRENCHS	532	143.1	146.9	23.9	23.2	6.9	8.7	91.3	90.9	SC
PIONEER	3518	145.6	149.6	24.1	23.4	1.3	1.3	91.5	91.9	MSC
MIGRO	M0501	148.2	150.3	24.2	22.9	1.9	3.3	91.1	92.3	SC
DEKALB	XL43	144.9	148.4	24.5	23.2	2.7	3.2	84.7	87.3	SC
DEKALB	XL54	152.9		24.8		5.9		86.4		SC
DEKALB	XL64	156.8	160.1	25.6	24.9	6.3	6.5	88.8	90.4	SC
TROJAN	TXS115A	151.6		25.8		2.4		93.0		SC
O-Y-O	333	140.1		25.9		4.5		86.9		MSC
PRAIRIE STREAM	SXS8	151.3		26.2		2.6		93.2		SC
FUNKS	G4507	148.6		26.6		2.4		90.7		SC
MUNCY CHIEF	SX662	132.5	136.3	26.6	25.9	4.5	5.0	89.2	89.6	SC
LANDMARK	C747X	153.9		26.6		2.6		88.6		SC
GRIES	X610	143.1		26.8		3.2		89.3		SC
VORIS	V2562	146.7		26.8		3.2		91.0		MSC
VORIS	V2532	152.7	154.2	26.9	26.0	2.7	2.3	92.1	90.2	SC
RUFFS	R1S0	143.7	142.9	27.0	25.8	5.7	5.6	91.6	90.7	SC
SUPER CROST	5440	147.3	153.4	27.0	26.2	2.1	2.6	85.5	87.8	SC
MUNCY CHIEF	SX777	134.2		27.2		5.7		84.4		SC
PORTER	MX69	153.9	156.8	27.2	26.5	1.9	1.9	92.0	92.7	SC
GSC	7X25	148.1		27.3		1.4		86.3		SC
LANDMARK	C828X	148.6	151.0	28.3	26.6	3.7	4.4	91.4	90.7	MSC
Average[4]		145.0	146.8	23.8	22.7	3.9	5.1	89.5	90.6	
Average[5]		142.3	144.1	24.0	23.0	3.9	5.8	88.8	89.4	

[1] As indicated by producer.

[2] SC - Single Cross; MSC - Modified Single Cross; SSC - Special Single Cross; 3WC - Three-Way Cross; DC - Double Cross.

[3] Average calendar day of year -- Subtract 132 to determine days from planting to silking.

[4] Average of hybrids listed.

[5] Average of all hybrids tested.

Table 4. Performance of Hybrids Tested at Western Branch, OARDC, 1976.

BRAND	HYBRID NO	PLANT[1] RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS	PLANT HT.IN	EAR HT.IN	DAY[3] MID SILK	TEST WT.
DENNIS	67	25091	23348	170.2	20.4	1.4	8.1	93.0	SC	101	49	203	51.5
PFISTER	59	22303	21170	153.8	20.6	0.8	10.4	94.9	SC	101	50	201	53.0
HULTING	X770	24394	23435	166.5	20.9	2.6	1.8	96.0	SC	99	49	202	52.4
LANDMARK	C676X	25091	23000	157.9	20.9	1.1	0.7	91.6	MSC	87	41	202	54.9
RUFFS	R224	27878	22477	165.8	21.1	1.9	2.5	80.6	MSC	101	49	202	51.4
NORTHRUP KING	PX65	27181	24219	174.2	21.1	0.3	11.9	89.1	SC	104	54	203	51.1
SCHLESSMAN	SX520	25091	22738	159.5	21.2	1.1	5.9	90.6	SC	95	44	200	52.6
DEWINE	05150	28575	26746	167.8	21.5	1.6	9.5	93.5	SC	103	50	204	53.3
LANDMARK	C611X	25091	22915	148.7	21.5	0.7	2.9	91.3	MSC	97	47	201	53.1
SCHLESSMAN	SX666	25091	21606	162.8	22.0	3.2	4.4	86.1	MSC	102	51	203	49.9
FRENCHS	747	26484	23174	154.3	22.1	2.9	4.9	87.4	SWC	104	50	202	50.7
ANDERSON	AX9	26484	23958	169.5	22.4	3.2	1.7	90.4	MSC	100	49	202	49.4
FRENCHS	M63	27878	24742	167.3	23.1	0.0	4.8	88.7	SC	101	52	203	50.9
FUNKS	G4449	24394	22825	159.6	23.1	0.3	6.3	93.5	SC	102	48	200	51.8
GRIES	X530	24394	22564	172.8	23.1	1.5	1.9	92.5	SC	102	49	202	49.4
PRAIRIE STREAM	SX5B	26484	24655	182.3	23.2	0.6	13.3	93.0	SC	104	53	202	51.2
DEWINE	05450	28575	26223	188.5	23.2	0.3	12.6	91.7	SC	103	50	202	50.5
PEWS	P73	25091	23610	175.8	23.3	0.0	8.1	94.0	SC	101	50	202	50.6
HANCOCK	X152	24394	22390	167.2	23.3	3.4	5.9	91.7	SSC	102	49	202	50.2
PFISTER	67	22303	22041	149.5	23.3	7.5	5.9	98.8	SC	92	42	201	49.4
ASGROW	RX90	22303	21432	178.6	23.4	0.0	9.7	96.0	SC	105	51	203	50.3
PRAIRIE STREAM	SX1L	26484	23958	176.7	23.4	1.5	34.2	90.4	SC	102	52	203	50.0
PIONEER	3535	26484	24132	173.6	23.5	0.0	1.5	91.1	SC	102	51	200	52.4
NORTHRUP KING	PX74	27181	24306	184.7	23.6	0.4	6.6	89.4	SC	101	52	202	50.2
NORTHRUP KING	PX76	27181	25439	178.8	23.6	1.7	13.4	93.3	SC	106	47	201	51.2
GRIES	X610	24394	19863	131.7	23.6	1.2	0.0	81.4	SC	98	47	202	51.4
SUPER CROST	4350	24394	20560	160.1	23.7	0.8	3.2	84.2	MSC	103	53	203	52.0
DENNIS	37E	25091	23087	168.5	23.7	1.0	5.2	92.0	SC	101	50	201	51.8
POWELL	680	25788	23697	173.0	23.9	0.7	13.0	91.8	SC	102	53	202	49.5
MUNCY CHIEF	SX777	26484	25003	149.6	24.0	2.1	2.0	94.4	SC	101	50	205	51.2
PFISTER	75	22303	20909	167.7	24.0	0.4	5.7	93.7	SC	105	52	202	49.8
MIKER	RFS265	29969	21083	146.8	24.0	1.9	8.3	70.3	MSC	104	52	203	50.3
BO-JAC	X56	26484	25178	189.6	24.0	0.6	10.5	95.0	SC	105	55	204	49.8
GOLDEN ACRES	T-E6992	26484	24045	186.6	24.1	0.7	5.6	90.7	SC	100	52	203	51.1
TROJAN	TXS115A	23000	22128	175.9	24.1	0.4	13.9	96.2	SC	100	50	201	49.8
HISER	S74	28575	24306	186.2	24.2	0.7	14.3	85.0	SC	103	52	203	50.5
BAILEYS	SX637	25091	23784	189.2	24.2	0.3	6.0	94.7	SC	103	53	203	49.7
FUNKS	G4611	24394	21780	163.2	24.3	0.8	3.2	89.2	MSC	103	51	203	50.2
HANCOCK	X135	24394	22477	164.5	24.3	1.5	6.5	92.1	SC	104	51	202	50.8
MIGRO	M0505	23000	21170	181.2	24.5	0.0	9.4	92.0	SC	104	52	203	49.4
ROBINSON	R3225	25091	23174	155.0	24.5	1.1	1.9	92.3	MSC	101	50	204	50.0
HISER	830	25091	23522	156.2	24.5	5.2	5.6	93.7	DC	102	50	202	50.5
FRENCHS	M73	27878	24306	176.6	24.5	0.0	7.8	87.1	SC	100	50	203	50.3
RUFFS	R180	27878	22216	159.4	24.5	1.1	3.5	79.6	MSC	100	48	202	50.9
O*S GOLD	SX5500A	24394	22913	179.2	24.6	0.0	3.0	93.9	SC	103	51	202	49.8
MIGRO	M6666	27878	24829	170.1	24.6	2.3	12.9	89.0	SC	105	51	203	50.5
BAILEYS	SP645	25091	23610	170.5	24.6	1.1	4.8	94.0	SWC	105	54	203	50.0
CARGILL	920	26484	23784	175.5	24.7	1.7	13.4	89.8	SC	102	52	202	51.1
ANDERSON	SSL	26484	23610	181.1	24.7	0.7	5.4	89.1	SC	104	52	202	49.9
CARGILL	949	26484	23522	178.2	24.8	0.0	9.3	88.8	SC	104	52	202	49.7
RUFFS	R150	27878	26310	169.3	24.8	1.9	5.6	94.3	SC	103	49	201	50.4
SECURITY	SS112	25091	23087	173.3	24.8	0.3	12.1	92.0	SC	104	53	202	49.3
HANCOCK	X133	25091	22128	144.7	24.9	0.0	7.2	88.1	SC	84	34	200	50.2
SECURITY	SS112A	25091	24045	172.5	24.9	1.0	8.6	95.8	MSC	101	50	203	49.5
P-A-G	314	26484	25352	181.0	25.0	0.0	31.6	95.7	SC	103	51	201	51.5

Table 4 (Cont'd.)

BRAND	HYBRID NO	PLANT RATE S/A	FINAL STAND PL/A [1]	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE CROSS [2]	PLANT HT.IN	EAR HT.IN	DAY MID SILK [3]	TEST WT.
RIKER	RFS281	28575	25091	159.3	25.0	0.7	9.7	87.8	MSC	106	53	202	51.2
DEKALB	XL43	30666	26310	166.6	25.0	0.0	8.8	85.7	SC	87	41	199	51.5
P-A-G	SX494	26484	25875	171.9	25.1	0.6	11.3	97.6	SC	101	46	201	50.3
ROBINSON	R4222	25091	23697	172.9	25.1	0.3	7.2	94.4	MSC	103	49	201	50.5
SUPER CROST	S67	26484	23871	170.8	25.1	1.8	14.7	90.1	MSC	102	49	201	49.8
SECURITY	SS115	27181	24916	166.9	25.1	0.3	6.8	91.6	MSC	100	46	202	49.2
GOLDEN ACRES	T-E6995	26484	23522	175.7	25.2	0.7	10.5	88.8	SC	104	53	202	49.7
DEKALB	XL72B	28575	26746	178.7	25.2	0.3	32.5	93.5	SC	99	48	203	50.3
WILSTAR	6663	23697	20735	167.2	25.2	0.4	7.1	87.4	SC	103	51	203	49.7
LANDMARK	C747X	25091	22477	177.7	25.3	1.1	3.7	89.5	SC	104	54	203	49.8
DEKALB	XL54	26484	25526	173.3	25.4	3.4	20.5	96.3	SC	98	46	201	51.8
PRAIRIE STREAM	SX6A	26484	24219	169.8	25.5	1.8	7.5	91.4	SC	104	48	202	50.4
FUNKS	G4507	23000	21432	168.4	25.6	0.0	8.5	93.1	SC	101	50	202	49.6
SUPER CROST	5440	24394	20909	172.6	25.6	0.0	6.4	85.7	SC	103	52	202	49.4
PEWS	P77	25091	23784	164.4	25.7	4.3	2.8	94.7	SC	102	49	203	49.3
HULTING	X880	24394	22303	165.1	25.7	0.0	1.1	91.4	SC	103	52	202	49.1
NORTHRUP KING	PX79	27181	25875	176.0	25.7	0.3	21.2	95.1	SC	101	52	203	48.8
GUTWEIN	62	25091	23087	165.2	25.7	1.1	6.0	92.0	SC	103	52	202	49.5
FRENCH'S	532	27878	24481	149.4	25.7	2.7	31.6	87.8	SC	91	42	201	50.0
LANDMARK	C757X	24394	21867	152.2	25.8	1.2	3.2	89.6	MSC	98	49	201	49.8
RUFFS	R122	27878	25178	175.3	25.8	0.3	11.6	90.3	SC	104	51	201	49.3
SEEDKEM	SKX66	27181	24306	156.6	25.8	1.0	1.7	89.4	SC	102	50	202	50.6
PREMIER	633	25091	21693	170.0	26.0	0.8	0.8	86.4	SC	101	51	203	49.1
DEWINE	D5500	28575	27181	176.1	26.0	1.6	7.3	95.1	SC	102	48	202	50.2
PORTER	MX69	23000	21693	165.9	26.0	0.3	6.4	94.3	SC	108	58	203	49.4
DENNIS	37	25091	23348	193.3	26.0	0.7	3.3	93.0	SC	104	54	203	49.1
GOLDEN ACRES	T-E6968	28575	24742	169.5	26.1	1.4	14.0	86.5	SC	100	48	201	50.0
NORTHRUP KING	PX675	27181	24742	168.8	26.1	0.0	16.0	91.0	3WC	104	52	203	48.9
DENNIS	69	25091	24045	158.8	26.1	6.4	1.1	95.8	SC	102	49	203	49.0
VORIS	V2532	23000	21954	176.9	26.1	0.3	13.5	95.4	SC	104	54	202	50.0
ANDERSON	AX12	26484	24394	160.9	26.2	1.0	3.4	92.1	MSC	101	49	203	49.2
MARK	M2182	23000	20299	168.5	26.2	0.4	5.0	88.2	SC	102	51	203	49.3
MIGRO	M0601	27878	25962	177.3	26.2	1.6	13.9	93.1	SC	101	54	202	50.1
VORIS	V2562	24394	22128	162.4	26.3	0.3	4.7	90.7	MSC	103	50	200	50.1
WILSTAR	7770	25091	22390	171.8	26.3	0.0	5.5	89.2	SC	103	47	202	49.0
LANDMARK	C828X	25091	23087	169.5	26.3	1.0	7.0	92.0	MSC	103	46	201	49.1
GSC	7X36	27878	24132	167.8	26.5	1.0	5.0	86.5	SC	100	45	200	49.8
FUNKS	G4520	23000	21693	164.6	26.5	1.5	14.1	94.3	SC	101	51	201	50.8
BUEHLS	463	26484	23784	167.7	26.6	0.6	10.0	89.8	MSC	102	50	202	49.3
RHOADS	RX77	20909	19254	157.7	26.7	0.0	3.5	92.0	SC	103	53	201	49.5
O-Y-O	475	24394	18469	129.7	26.8	0.5	0.0	75.7	SC	104	53	204	49.8
DEKALB	XL64	26484	23697	157.4	26.9	5.4	15.6	89.4	SC	97	44	198	49.7
PIONEER	3369A	24394	22564	173.9	26.9	2.2	5.5	92.4	SC	102	51	202	48.8
PORTER	MX69A	27181	25962	185.3	27.0	0.3	6.9	95.5	MSC	105	53	201	50.2
ANDERSON	3W115	26484	24394	152.7	27.1	1.1	6.0	92.1	3WC	77	38	202	48.8
O-Y-O	433	24394	22128	151.3	27.2	0.0	6.2	90.7	3WC	102	48	201	50.0
TROJAN	TXS113	25091	21954	167.7	27.2	0.4	10.5	87.4	SC	104	47	200	49.2
BO-JAC	X52A	26484	24568	190.3	27.3	0.3	11.1	92.7	SC	98	52	201	50.7
SUPER CROST	6880	24394	20299	173.6	27.4	0.8	4.7	83.2	SC	100	52	202	50.0
RUFFS	R334	27878	24132	148.1	27.4	6.4	4.6	86.5	MSC	103	53	205	48.9
PORTER	MX68	25091	23435	156.8	27.5	0.3	4.7	93.4	MSC	100	48	201	48.9
PFISTER	57	22303	20996	146.9	27.5	1.2	7.2	94.1	SSC	95	40	201	48.3
GSC	7X27	25091	22303	150.4	27.5	1.1	4.9	88.8	SC	101	50	205	49.9
BO-JAC	X69	24394	22041	164.9	27.6	0.0	5.4	90.3	SC	103	53	202	48.9
GSC	7X25	25091	22477	172.6	27.6	0.3	5.1	89.5	SC	104	53	202	48.5

Table 4 (Cont'd.)

BRAND	HYBRID NO	PLANT RATE S/A [1]	FINAL STAND PL/A [1]	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE CROSS [2]	PLANT HT.IN	EAR HT.IN	DAY MID SILK [3]	TEST WT.
SEEDKEM	SKX76	24394	20996	155.9	27.7	0.0	4.1	86.0	SC	102	50	203	50.0
VORIS	V2542	24394	23087	175.0	27.7	1.4	12.8	94.6	SC	103	51	203	48.9
ROBINSON	R3927	25091	24219	177.5	27.8	1.4	7.4	96.5	SC	107	55	204	48.4
SCHLESSMAN	SX740	25091	21693	140.5	27.8	1.2	2.0	86.4	MSC	95	45	203	48.6
MCNAIR	X170	23000	22303	166.8	27.9	0.7	8.5	96.9	SC	102	47	201	49.2
O-Y-O	480	24394	22913	162.7	28.0	0.7	3.4	93.9	3WC	98	49	202	51.5
ACCO	UC8801	23000	20996	153.2	28.1	2.1	4.8	91.2	SC	105	54	205	50.0
BO-JAC	X622A	26484	23784	164.1	28.3	2.4	27.8	89.8	MSC	98	48	201	48.0
GUTWEIN	72	25091	24132	170.0	28.5	1.8	9.7	96.1	SC	105	53	204	48.8
SEEDKEM	SKX86	27181	23871	162.7	28.5	0.3	4.9	87.8	SC	105	50	201	48.4
BUEHLS	461	26484	24742	154.8	28.5	5.2	7.4	93.4	MSC	99	48	202	50.0
VORIS	V2592	24394	23435	174.7	28.6	1.8	1.8	96.0	MSC	96	48	202	49.0
MARK	M2183	23000	22390	163.6	28.7	0.7	5.0	97.3	SC	103	49	201	49.2
PIONEER	3184	24394	20386	168.0	28.8	0.0	0.3	83.5	SC	100	51	205	49.3
TROJAN	TXS117A	23000	21867	170.3	29.0	1.5	5.1	95.0	SC	100	52	203	48.9
PIONEER	3360	24394	22651	176.7	29.1	0.7	4.5	92.8	SC	104	52	203	50.0
TROJAN	TXS114	24394	23261	179.6	29.1	0.7	10.2	95.3	SC	104	51	203	48.6
PREMIER	655	24394	23000	166.3	29.1	1.5	16.2	94.2	SC	102	51	204	48.2
P-A-G	340	26484	24306	166.6	29.2	0.3	12.1	91.7	SC	102	49	201	49.7
MCNAIR	X194	23000	21083	156.9	29.4	0.3	1.9	91.6	SC	103	53	203	48.8
CHECK	545XB37	26484	20647	158.3	29.5	0.4	5.0	77.9	SC	94	41	201	49.6
MIGRO	M3416	23000	18557	158.7	29.6	0.4	0.8	80.6	SC	104	49	203	49.1
O'SGOLD	SX5400	24394	19602	150.8	29.6	0.4	0.8	80.3	SC	103	51	204	48.5
FUNKS	G4646	26484	22041	150.5	29.9	2.3	13.5	83.2	MSC	99	47	202	50.1
GSC	7X39	25091	21780	168.4	30.0	2.3	2.2	86.8	SC	105	52	204	48.2
MIGRO	M7072	25091	23261	164.0	30.0	1.8	2.6	92.7	SC	104	48	204	48.2
PREMIER	622N	27878	23697	160.1	30.5	1.1	3.6	85.0	SC	99	50	202	49.2
PORTER	MX75	23000	20299	158.3	30.6	0.0	2.0	88.2	SC	100	48	202	49.8
PREMIER	688	25091	22564	164.8	31.0	0.4	4.3	89.9	SC	103	54	204	49.7
DEWINE	0335	26484	22913	167.3	31.0	1.0	8.5	86.5	3WC	106	56	203	48.2
MUNCY CHIEF	SX808B	24394	19428	141.7	31.6	0.4	0.8	79.6	SC	100	47	203	47.5
PIONEER	3364	24394	21693	163.2	31.7	0.7	3.8	88.9	MSC	101	52	203	47.9
ANDERSON	SST	26484	24394	170.6	31.9	2.3	1.3	92.1	SC	98	48	204	47.9
ACCO	4B951	24394	23087	161.8	32.2	1.9	19.5	94.6	SC	107	54	204	50.0
ACCO	UC9451	22303	21083	156.6	32.4	1.2	4.4	94.5	SC	104	49	205	50.1
PORTER	MX76	25091	23958	157.7	32.5	2.4	8.0	95.4	SC	108	54	205	47.4
DEWINE	07500	27878	23784	165.1	32.7	1.1	0.0	85.3	SC	100	49	203	48.4
WILSTAR	7774	24394	21780	158.1	32.8	0.8	1.7	89.2	SC	98	49	204	47.2
VORIS	V2572	23000	21170	173.4	33.0	1.1	31.9	92.0	SC	96	47	200	48.5
P-A-G	SX98	24394	22564	158.3	33.4	0.7	0.0	92.5	SC	98	49	204	46.7
SUPER CROST	S85	24394	20299	158.0	33.5	0.4	0.4	83.2	SC	99	48	203	46.9
P-A-G	7545	24394	22128	162.0	34.3	0.8	1.1	90.7	3WC	104	52	203	48.5
GSC	7x55	25091	21083	156.1	34.4	0.0	2.4	84.0	SC	100	49	204	47.8
MUNCY CHIEF	SX878	24394	21519	153.8	34.6	0.8	4.8	88.2	SC	104	51	204	49.2
HULTING	X980	24394	22564	153.0	35.5	0.3	0.8	92.5	SC	100	48	203	47.4
GOLDEN ACRES	T-E6980	24394	22913	158.5	36.2	0.3	1.8	93.9	SC	99	51	203	48.1
ASGROW	RX100	24394	20996	93.0	37.4	1.2	0.0	86.0	SC	79	35	205	49.2
ASGROW	RX94	22303	21606	126.3	38.6	0.4	2.4	96.8	3WC	106	54	205	47.1
PFISTER	77	22303	19689	139.7	39.6	0.0	0.0	88.2	SC	99	49	204	48.5
MCNAIR	S338	20909	19166	119.6	40.5	3.1	4.0	91.6	3WC	109	54	206	47.7
MCNAIR	X300	23000	20125	125.8	43.3	0.0	3.0	87.5	SC	101	49	206	47.1
AVERAGE ALL ENTRIES			22920.	165.0	26.9	1.1	7.3	90.5		101.	50.	202.	49.7
LSD.P=.05			1737.	14.1	2.7	2.4	10.5	6.8		6.	3.	1.	1.6

[1] As indicated by producer.

[2] SC - Single Cross; MSC - Modified Single Cross; SSC - Special Single Cross; 3WC - Three-Way Cross; DC - Double Cross.

[3] Average calendar day of year -- Subtract 120 to determine days from planting to silking.

Table 5. Performance of Hybrids Tested at Washington C.H., Ohio, 1976.

BRAND	HYBRID NO	PLANT RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE CROSS
PFISTER	59	22303	21170	165.1	20.7	4.0	0.0	94.9	SC
SCHLESSMAN	SX520	25091	22738	161.3	21.1	3.1	0.3	90.6	SC
LANDMARK	C611X	25091	23087	148.8	21.2	9.7	0.0	92.0	MSC
DEWINE	D5150	28575	26746	176.9	21.4	7.9	0.0	93.5	SC
HULTING	X770	24394	23261	174.8	21.4	1.4	0.0	95.3	SC
NORTHRUP KING	PX65	27181	24829	169.3	21.6	2.4	0.0	91.3	SC
FRENCHS	747	26484	24132	166.5	21.6	5.4	0.0	91.1	3WC
GRIES	X610	24394	21170	140.8	21.8	7.3	0.0	86.7	SC
LANDMARK	C676X	25091	21954	161.6	22.1	1.5	0.0	87.5	MSC
ROBINSON	R3225	25091	24132	161.5	22.3	5.4	0.0	96.1	MSC
DENNIS	47	25091	23435	171.2	22.4	1.8	0.3	93.4	SC
HISER	S74	28575	24481	193.2	22.5	1.4	0.0	85.6	SC
SUPER CROST	4350	24394	22216	171.6	22.5	6.6	0.0	91.0	MSC
FRENCHS	M63	27878	23610	169.6	22.6	6.6	0.0	84.6	SC
RUFFS	R224	27878	24481	173.6	22.6	3.1	0.0	87.8	MSC
DEKALB	XL43	30666	27443	189.3	22.6	0.9	0.0	89.4	SC
PIONEER	3535	26484	24568	183.6	22.8	1.0	0.0	92.7	SC
DENNIS	37E	25091	23697	163.3	22.8	9.3	0.0	94.4	SC
NORTHRUP KING	PX74	27181	24568	196.4	22.9	1.0	0.0	90.3	SC
FUNKS	G4520	23000	21519	187.1	23.0	4.0	0.7	93.5	SC
RIKER	RFS281	28575	23871	159.6	23.0	11.4	0.0	83.5	MSC
PFISTER	79	22303	21083	189.9	23.0	2.9	0.0	94.5	SC
GRIES	X530	24394	22738	168.6	23.1	1.5	0.0	93.2	SC
FRENCHS	M73	27878	23060	181.7	23.2	1.5	0.0	82.5	SC
POWELL	680	25788	24045	189.4	23.3	2.5	0.0	93.2	SC
PRAIRIE STREAM	SX5B	26484	23958	192.9	23.3	0.3	8.0	90.4	SC
BAILEYS	SX637	25091	23871	195.8	23.3	1.0	0.0	95.1	SC
ANDERSON	SSL	26484	25352	195.0	23.4	2.7	0.3	95.7	SC
MIGRO	M0505	23000	20822	180.1	23.4	2.8	0.0	90.5	SC
SCHLESSMAN	SX666	25091	24306	180.8	23.5	0.7	0.7	96.8	MSC
ASGROW	RX90	22303	21780	193.8	23.6	0.3	0.0	97.6	SC
TROJAN	TXS115A	23000	22390	183.0	23.6	0.3	0.0	97.3	SC
SECURITY	SS112	25091	24045	192.7	23.7	0.3	0.0	95.8	SC
CARGILL	949	26484	23958	189.2	23.7	1.3	0.0	90.4	SC
GOLDEN ACRES	T-E6992	26484	24916	179.5	23.7	2.8	0.0	94.0	SC
NORTHRUP KING	PX675	27181	26049	177.0	23.8	3.3	0.0	95.8	3WC
PEWS	P73	25091	20473	171.5	23.8	2.9	0.0	81.5	SC
SEEDKEM	SKX66	27181	24306	167.9	23.8	3.7	0.0	89.4	SC
DEWINE	D5450	28575	27181	200.3	23.8	2.2	0.0	95.1	SC
VORIS	V2532	23000	22041	191.8	23.9	2.7	0.0	95.8	SC
PREMIER	633	25091	23522	180.9	23.9	2.2	0.3	93.7	SC
GSC	7X25	25091	22128	188.8	23.9	0.7	0.0	88.1	SC
RIKER	RFS265	29969	21867	158.2	23.9	7.0	0.0	72.9	MSC
DENNIS	37	25091	23958	194.8	24.0	1.4	0.0	95.4	SC
HISER	830	25091	24394	176.9	24.0	8.9	0.0	97.2	DC
RHOADS	RX77	20909	19079	178.5	24.1	1.3	0.0	91.2	SC
GOLDEN ACRES	T-E6995	26484	24829	203.7	24.1	0.3	0.0	93.7	SC
PFISTER	67	22303	22128	152.7	24.1	45.9	0.0	99.2	SC
FRENCH'S	532	27878	25788	177.4	24.1	5.7	0.0	92.5	SC
RUFFS	R180	27878	20647	165.0	24.2	5.1	0.0	74.0	MSC
HANCOCK	X152	24394	23348	185.9	24.2	1.8	0.0	95.7	SSC
GUTWEIN	62	25091	23958	194.7	24.2	1.4	0.0	95.4	SC
CARGILL	920	26484	23610	176.4	24.2	12.2	0.0	89.1	SC
MIGRO	M0601	27878	26659	195.6	24.4	0.9	0.0	95.6	SC
WILSTAR	6663	23348	20473	179.1	24.4	5.0	0.0	87.7	SC

Table 5 (Cont'd.)

BRAND	HYBRID NO	PLANT RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE CROSS
PORTER	MX69A	27181	26920	191.4	24.4	0.9	1.6	99.0	MSC
HANCOCK	X155	24394	20735	164.2	24.5	14.6	0.0	85.0	SC
DEKALB	XL54	26484	24916	175.2	24.5	8.9	0.0	94.0	SC
P-A-G	314	26484	24568	194.6	24.5	3.2	0.0	92.7	SC
BO-JAC	X56	26484	23610	196.3	24.6	1.5	0.0	89.1	SC
BAILEYS	SP645	25091	23087	170.6	24.6	10.5	0.0	92.0	3WC
NORTHRUP KING	PX79	27181	26136	190.8	24.7	1.0	0.0	96.1	SC
O-Y-O	433	24394	23697	173.4	24.7	4.4	0.0	97.1	3WC
LANDMARK	C747X	25091	22303	192.3	24.7	2.7	0.0	88.8	SC
HULTING	X880	24394	22738	194.3	24.7	0.3	0.0	93.2	SC
SUPER CROST	5440	24394	20125	183.1	24.8	0.8	0.0	82.4	SC
ANDERSON	3W115	26484	23784	163.1	24.8	8.7	0.0	89.8	3WC
PRAIRIE STREAM	SX1L	26484	23871	181.0	24.9	1.4	0.0	90.1	SC
MUNCY CHIEF	SX777	26484	24829	152.6	25.0	13.3	0.0	93.7	SC
FUNKS	G4949	24394	22477	166.1	25.0	1.9	0.0	92.1	SC
PORTER	MX69	23000	21780	195.6	25.0	1.9	0.0	94.6	SC
P-A-G	340	26484	23784	186.8	25.0	1.1	0.0	89.8	SC
ANDERSON	AX9	26484	24916	179.6	25.0	3.4	0.0	94.0	MSC
MIGRO	M6666	27878	25788	193.1	25.0	0.6	0.3	92.5	SC
FUNKS	G4507	23000	21519	178.4	25.1	1.2	0.7	93.5	SC
SCHLESSMAN	SX740	25091	22303	153.5	25.1	4.6	0.0	88.8	MSC
MCNAIR	X170	23000	21693	175.1	25.1	1.2	0.0	94.3	SC
SECURITY	SS115	27181	25178	187.5	25.2	1.7	0.3	92.6	MSC
PORTER	MX68	25091	23610	184.9	25.2	1.4	0.0	94.0	MSC
MARK	M2183	23000	22738	182.2	25.3	1.1	0.3	98.8	SC
O'S GOLD	SX5500A	24394	21170	176.2	25.3	0.7	0.0	86.7	SC
ANDERSON	AX12	26484	25091	175.4	25.3	2.4	0.0	94.7	MSC
ACCO	UC8801	23000	21954	165.6	25.5	23.0	0.0	95.4	SC
P-A-G	SX494	26484	25526	178.1	25.5	0.6	0.0	96.3	SC
BO-JAC	X69	24394	23261	177.7	25.6	1.1	0.0	95.3	SC
SECURITY	SS112A	25091	23871	176.4	25.6	5.4	0.0	95.1	MSC
GSC	7X36	27878	24306	183.2	25.7	0.7	0.3	87.1	SC
DEKALB	XL64	26484	24916	163.9	25.7	31.3	0.0	94.0	SC
O-Y-O	475	24394	17598	139.7	25.9	4.2	0.0	72.1	SC
DENNIS	69	25091	23522	163.7	25.9	11.1	0.0	93.7	SC
NORTHRUP KING	PX76	27181	25962	194.1	26.0	3.2	0.0	95.5	SC
MARK	M2102	23000	20822	188.8	26.0	0.0	0.4	90.5	SC
PFISTER	57	22303	21344	164.1	26.2	3.7	0.0	95.7	SSC
PREMIER	622N	27878	23435	194.3	26.2	2.2	0.0	84.0	SC
HANCOCK	X133	25091	21257	151.5	26.2	1.2	0.0	84.7	SC
DEKALB	XL72B	28575	26310	181.2	26.2	0.6	0.3	92.0	SC
FUNKS	G4611	24394	22390	160.9	26.2	4.2	0.0	91.7	MSC
WILSTAR	7770	25091	22825	181.8	26.3	0.3	0.0	90.9	SC
VORIS	V2562	24394	22128	174.1	26.3	0.3	0.3	90.7	MSC
GUTWEIN	72	25091	23958	186.3	26.3	6.8	0.0	95.4	SC
PREMIER	655	24394	21954	180.4	26.4	4.7	0.0	90.0	SC
BUEHLS	463	26484	24394	176.3	26.5	4.7	0.0	92.1	MSC
PEWS	P77	25091	22564	165.4	26.5	4.9	0.0	89.9	SC
SUPER CROST	S67	26484	25265	187.6	26.5	1.3	0.3	95.3	MSC
RUFFS	R122	27878	26920	191.8	26.6	1.2	1.2	96.5	SC
O-Y-O	480	24394	22738	169.9	26.6	5.7	0.0	93.2	3WC
PRAIRIE STREAM	SX6A	26484	25526	195.9	26.6	1.3	0.0	96.3	SC
LANDMARK	C757X	24394	20996	162.6	26.6	9.0	0.0	86.0	MSC
BO-JAC	X52A	26484	24655	198.8	26.7	3.5	0.3	93.0	SC

Table 5 (Cont'd.)

BRAND	HYBRID NO	PLANT RATE[1] S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS
RUFFS	R150	27878	26136	178.1	26.7	1.9	1.3	93.7	SC
SUPER CROST	6880	24394	20909	186.6	26.8	1.6	0.0	85.7	SC
SEEDKEM	SKX76	24394	21519	167.6	26.8	4.8	0.0	88.2	SC
PIONEER	3360	24394	21954	187.1	26.9	2.3	0.0	90.0	SC
ROBINSON	R3927	25091	23348	183.0	27.0	1.4	1.4	93.0	SC
GOLDEN ACRES	T-E6968	28575	26920	192.4	27.1	1.2	0.0	94.2	SC
DEWINE	D5500	28575	26397	194.5	27.1	1.9	0.0	92.3	SC
GSC	7X27	25091	24394	171.4	27.2	2.4	0.0	97.2	SC
VORIS	V2542	24394	23522	200.9	27.4	3.7	0.0	96.4	SC
GSC	7X39	25091	24132	177.5	27.4	19.7	0.0	96.1	SC
PIONEER	3369A	24394	23174	187.5	27.4	1.4	0.0	95.0	SC
BUEHLS	461	26484	24568	161.7	27.5	5.5	0.0	92.7	MSC
MIGRO	M3416	23000	19428	178.2	27.9	0.9	0.0	84.4	SC
PORTER	MX75	23000	19776	177.2	28.0	0.8	0.0	85.9	SC
P-A-G	7545	24394	23610	188.5	28.0	16.6	0.0	96.7	3WC
TROJAN	TXS113	25091	24132	185.2	28.1	1.1	0.0	96.1	SC
MCNAIR	X194	23000	22128	166.2	28.2	5.5	0.0	96.2	SC
ROBINSON	R4222	25091	23174	179.8	28.2	0.7	0.0	92.3	MSC
VORIS	V2592	24394	22825	173.4	28.2	2.3	0.0	93.5	MSC
SEEDKEM	SKX86	27181	24568	183.3	28.3	1.4	1.7	90.3	SC
DEWINE	D335	26484	24655	182.7	28.4	5.4	0.0	93.0	3WC
LANDMARK	C828X	25091	23522	180.5	28.4	1.5	0.3	93.7	MSC
PIONEER	3364	24394	21519	167.8	28.4	2.3	0.0	88.2	MSC
TROJAN	TXS117A	23000	22303	174.4	29.0	3.9	0.0	96.9	SC
O*SGOLD	SX5400	24394	19689	159.5	29.0	3.0	0.0	80.7	SC
MIGRO	M7072	25091	24568	169.7	29.3	2.4	0.0	97.9	SC
TROJAN	TXS114	24394	23784	179.0	29.3	3.3	0.7	97.5	SC
PREMIER	688	25091	23958	164.0	29.4	8.7	0.0	95.4	SC
RUFFS	R334	27878	24829	164.8	29.6	23.3	0.0	89.0	MSC
GSC	7X55	25091	22390	177.2	29.7	8.3	0.0	89.2	SC
PORTER	MX76	25091	23958	180.6	29.9	2.9	0.0	95.4	SC
BO-JAC	X622A	26484	24219	175.7	30.0	4.2	1.4	91.4	MSC
MUNCY CHIEF	SX878	24394	21519	155.3	30.2	17.1	0.0	88.2	SC
PIONEER	3184	24394	20560	177.7	30.2	1.3	0.0	84.2	SC
FUNKS	G4646	26484	23435	165.0	30.5	0.7	0.0	88.4	MSC
DEWINE	D7500	27878	24132	172.3	30.9	4.0	0.0	86.5	SC
MUNCY CHIEF	SX808B	24394	20735	148.1	31.0	5.8	0.0	85.0	SC
CHECK	545XB37	26484	20909	161.8	31.1	1.2	0.4	78.9	SC
ACCO	48951	24394	22913	194.3	31.4	0.7	0.0	93.9	SC
VORIS	V2572	23000	22390	194.3	31.7	4.6	0.0	97.3	SC
ANDERSON	SST	26484	24132	173.8	31.8	6.4	0.3	91.1	SC
P-A-G	SX98	24394	22738	178.0	32.0	2.7	0.0	93.2	SC
ASGROW	RX100	24394	21257	106.9	32.2	2.8	0.0	87.1	SC
PFISTER	77	22303	19602	159.6	32.3	0.4	0.0	87.8	SC
GOLDEN ACRES	T-E6980	24394	23087	171.4	32.6	4.1	0.0	94.6	SC
SUPER CROST	S85	24394	20038	156.0	32.6	7.4	0.0	82.1	SC
HULTING	X980	24394	23000	166.0	32.7	9.9	0.0	94.2	SC
MCNAIR	S358	20909	17860	139.8	32.7	19.0	0.0	85.4	3WC
ACCO	UC9451	22303	20647	147.6	33.2	5.1	0.0	92.5	SC
WILSTAR	7774	24394	21954	170.3	34.6	1.1	0.0	90.0	SC
ASGROW	RX94	22303	21432	142.3	35.5	8.5	0.0	96.0	3WC
MCNAIR	X300	23000	21175	149.9	36.3	6.7	0.0	92.0	SC
AVERAGE ALL ENTRIES			23186.	176.2	26.0	4.5	0.1	91.5	
LSD.P=.05			1684.	13.8	2.8	6.3	0.6	6.6	

[1] As indicated by producer.

[2] SC - Single Cross; MSC - Modified Single Cross; SSC - Special Single Cross; 3WC - Three-Way Cross; DC - Double Cross.

Table 6. Two-, Three- and Four-year Performance, Southwestern Ohio.

BRAND	HYBRID NO.	PLANT 1/ RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE 2/ CROSS	PLANT HT. IN	EAR HT. IN	DAY MID SILK 3/	TEST WT.
LANDMARK	C611X	24743	23065	161.2	19.6	4.4	1.1	93.2	MSC	96	44	196	55.0
SCHLESSMAN	SXS20	24612	22433	160.2	19.7	2.9	2.8	91.2	SC	89	39	194	53.6
HULTING	X770	24394	22738	174.2	19.9	2.7	1.2	93.2	SC	98	48	196	52.2
DENNIS	47	25091	23435	173.1	20.9	3.2	2.6	93.4	SC	100	46	198	50.6
GRIES	XS30	24394	22695	170.8	21.3	2.2	1.7	93.0	SC	98	44	196	50.1
ROBINSON	R322S	25788	23653	169.1	21.4	4.9	1.9	91.8	MSC	100	48	199	52.0
SCHLESSMAN	SX666	24394	22890	169.9	21.4	3.0	1.5	93.9	MSC	95	44	199	51.8
GRIES	X610	25439	21497	154.6	21.6	4.5	0	84.5	SC	96	45	198	51.9
FUNKS	G4449	24394	22172	158.2	21.9	1.3	3.3	90.9	SC	98	43	196	52.5
DENNIS	37E	25091	23196	171.5	21.9	4.4	1.5	92.4	SC	97	46	198	52.3
HANCOCK	X152	25788	23936	183.3	22.0	3.3	2.5	92.9	SSC	99	46	198	50.5
ANDERSON	AX9	25091	23327	168.8	22.2	3.1	.5	93.0	MSC	96	43	198	50.6
NORTHRUP KING	PX74	26136	22826	186.3	22.2	3.1	4.0	87.2	SC	100	49	200	49.8
BAILEYS	SX637	25788	24263	189.4	22.5	1.4	6.3	94.1	SC	102	50	200	50.0
FRENCHS	S32	26484	24067	156.8	22.6	7.5	8.4	90.9	SC	88	40	195	51.5
HISER	S74	26484	23130	187.7	22.7	2.8	5.7	87.5	SC	98	49	200	50.5
MUNCY CHIEF	SX777	26484	23021	184.0	22.7	7.4	.9	86.9	SC	96	44	200	52.2
CARGILL	920	26484	23501	174.9	22.7	4.5	3.6	88.7	SC	98	46	199	51.4
MIGRO	M6666	26484	24350	179.0	22.8	1.9	3.5	92.0	SC	100	46	196	51.3
FRENCHS	M73	26136	23588	184.5	22.8	2.1	4.4	90.7	SC	99	46	198	49.8
ANDERSON	3W11S	25003	22172	155.6	22.9	7.9	1.7	88.6	3WC	84	38	198	50.7
TROJAN	TXS11SA	23000	21562	179.4	22.9	2.0	5.3	93.7	SC	98	47	198	49.8
P-A-G	SX494	25439	23544	173.9	22.9	.7	3.6	92.4	SC	96	42	196	51.8
PRAIRIE STREAM	SX1L	27181	25178	181.3	23.0	2.6	9.9	92.6	SC	100	50	200	49.9
SECURITY	S5112	25788	24503	183.0	23.0	2.4	5.5	95.0	SC	100	48	199	50.1
SEEDKEM	SKX66	26833	24002	167.3	23.0	4.6	1.1	89.4	SC	96	42	199	51.9
DEKALB	XLS4	27181	24459	176.3	23.1	5.1	5.9	90.1	SC	92	42	195	52.6
PRAIRIE STREAM	SXSB	27181	25265	188.3	23.1	4.5	4.2	93.0	SC	102	50	200	50.6
ASGROW	RX90	23349	21758	185.9	23.2	1.6	5.1	93.4	SC	101	48	200	50.2
SECURITY	SS11S	27878	24045	173.8	23.3	2.0	1.9	86.4	MSC	97	43	197	50.5
NORTHRUP KING	PX76	26136	24568	184.9	23.3	4.1	5.0	94.0	SC	102	43	196	51.2
CARGILL	949	26484	22215	175.3	23.3	2.2	4.3	83.9	SC	100	48	200	50.0
VORIS	V2S32	23000	21802	184.4	23.4	3.5	5.7	94.8	SC	101	48	198	49.8
NORTHRUP KING	PX675	26136	24633	176.1	23.4	2.6	6.3	94.3	3WC	102	50	200	49.7
POWELL	680	27181	23980	179.7	23.5	3.5	4.2	88.4	SC	100	47	200	49.3
FUNKS	G4507	23000	21933	178.0	23.6	6.0	5.6	95.4	SC	101	46	199	50.2
PREMIER	633	25439	23152	181.7	23.6	2.2	1.7	91.0	SC	99	47	200	49.7
BAILEYS	SP645	25788	22564	163.1	23.6	8.2	2.7	87.6	3WC	102	48	200	50.0
GSC	7X36	27181	23849	174.5	23.7	1.5	1.4	87.8	SC	96	42	196	51.0
RUFFS	R1S0	27181	25395	176.6	23.7	2.1	2.6	93.4	SC	98	44	196	51.3
O'S GOLD	SX5500A	24394	22107	174.1	23.7	1.5	1.7	90.6	SC	98	46	199	50.1
LANDMARK	C747X	24742	22913	186.0	23.7	2.5	4.0	92.7	SC	101	50	200	50.0
PORTER	MX69	23000	22238	189.2	23.7	1.8	4.5	96.7	SC	104	52	200	49.7
VORIS	V2562	24394	22107	171.9	23.8	2.0	2.0	90.6	MSC	98	45	196	50.6
GUTWEIN	62	24743	23152	192.4	23.8	1.2	3.4	93.6	SC	98	47	198	49.8
PRAIRIE STREAM	SX6A	27181	25504	185.3	23.8	3.6	2.7	93.8	SC	102	46	197	51.0
DEWINE	D5S00	28227	26593	179.3	23.8	3.7	2.0	94.2	SC	100	46	198	51.1
DENNIS	37	25091	23457	193.3	23.8	1.9	3.0	93.5	SC	102	48	200	49.2
FUNKS	G4611	24394	21933	168.7	23.9	3.5	1.7	89.9	MSC	101	50	200	50.7
O-Y-O	433	24394	22477	163.1	23.9	2.3	1.6	92.1	3WC	96	43	197	50.7
GOLDEN ACRES	T-E6968	27530	24873	184.6	23.9	2.6	4.2	90.4	SC	98	44	197	50.8
PORTER	MX68	24742	23022	177.9	24.0	2.1	1.7	93.1	MSC	98	44	197	50.6
ANDERSON	AK12	25091	23457	169.8	24.1	2.9	1.4	93.5	MSC	96	46	200	50.0
SUPER CROST	5440	24394	20386	173.3	24.2	2.7	3.6	83.6	SC	101	48	200	49.2
MCNAIR	X170	24742	23152	175.5	24.2	3.2	2.4	93.7	SC	98	44	196	50.7
ROBINSON	R4222	25788	23958	176.2	24.2	2.9	3.2	92.9	MSC	98	46	196	51.2
MIGRO	M0601	26484	24459	183.9	24.2	1.3	4.5	92.2	SC	99	48	198	50.8
SUPER CROST	S67	26484	23043	169.3	24.3	1.3	4.1	87.0	MSC	98	44	197	50.6
NORTHRUP KING	PX79	26136	25091	180.4	24.3	2.4	7.3	96.0	SC	98	47	201	49.6
SCHLESSMAN	SX740	24294	21933	152.7	24.3	4.8	2.2	90.0	SC	96	44	199	49.8
BO-JAC	XS6	29272	25984	187.7	24.3	4.2	5.0	89.1	SC	104	52	201	48.9
RUFFS	R122	27181	25548	180.1	24.4	1.3	3.8	94.0	SC	100	46	198	50.5
DENNIS	69	25091	23479	169.2	24.4	6.0	.3	93.6	SC	99	45	200	49.7
DEKALB	XL64	27181	23958	167.0	24.5	10.5	4.9	88.3	SC	91	38	194	50.7
PEWS	P77	24742	23218	172.9	24.6	4.9	.7	93.9	SC	100	44	199	49.6
PORTER	MX69A	25091	23523	184.3	24.6	2.5	2.4	93.4	MSC	101	46	199	50.5
TROJAN	TXS113	26484	24219	176.4	24.6	1.5	5.0	91.5	SC	98	42	196	50.7
GSC	7X25	25439	22433	183.1	24.7	1.6	2.3	88.2	SC	100	48	200	48.7
LANDMARK	C828X	25091	23610	176.8	25.0	1.9	2.6	94.1	MSC	100	44	197	49.9
GSC	7X27	25091	23218	161.3	25.1	4.9	1.4	92.6	SC	99	46	200	50.5
DEKALB	XL72B	26833	23740	171.1	25.1	1.2	10.0	88.2	SC	94	42	199	49.8
PIONEER	3369A	24394	23065	182.3	25.1	2.6	1.4	94.6	SC	101	46	200	49.9
SEEDKEM	SKX76	24394	21911	169.4	25.5	4.2	1.7	89.8	SC	100	46	200	50.2
SEEDKEM	SKX86	26833	24089	173.0	25.5	2.2	2.1	89.8	SC	100	44	197	50.0
RUFFS	R334	26484	23980	159.6	25.7	1.1	1.5	90.7	SC	102	48	200	49.5
PREMIER	655	25091	22390	178.2	25.9	4.0	7.8	89.3	SC	102	50	202	48.9
BO-JAC	XS2A	29272	25635	192.5	25.9	1.9	3.9	88.1	SC	98	46	199	51.0
FUNKS	G4646	26484	23457	167.2	26.1	2.9	5.0	88.6	MSC	96	44	198	51.4
GUTWEIN	72	24743	23479	181.8	26.1	5.0	4.3	94.9	SC	104	49	201	48.6
TROJAN	TXS117A	23218	22107	175.8	26.2	3.6	2.5	95.3	SC	99	49	200	49.4
VORIS	V2542	24394	22804	183.5	26.5	1.9	3.7	93.5	SC	99	47	200	49.9
PORTER	MX75	23697	20909	171.5	26.6	1.2	4.1	88.2	SC	98	46	200	49.7
MCNAIR	X194	24742	21889	165.3	26.8	6.3	1.5	88.9	SC	98	48	200	49.0
DEWINE	D33S	27181	24481	171.4	26.8	5.5	3.6	90.1	3WC	100	50	200	49.6
PREMIER	688	25440	23152	173.2	26.8	5.7	1.2	91.0	SC	103	50	201	50.6

Table 6 (Cont'd.]

BRAND	HYBRID NO.	PLANT[1] RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS	PLANT HT. IN	EAR HT. IN	DAY[3] MID SILK	TEST WT.
GSC	7X39	25091	21845	169.8	26.9	7.0	.6	87.1	SC	102	46	201	48.7
MIGRO	M7072	25091	23610	167.5	27.0	3.7	.7	94.1	SC	101	42	200	49.3
CHECK	545xB37	26484	20343	161.0	27.0	3.3	2.4	76.8	SC	88	36	197	50.1
TROJAN	TXS114	25831	24764	182.8	27.9	4.7	4.6	96.0	SC	104	48	201	49.2
P-A-G	754S	24394	22477	173.1	28.2	7.6	.3	92.1	3WC	98	46	200	48.8
MUNCY CHIEF	SX878	24394	20125	159.1	28.5	6.1	1.6	82.5	SC	102	47	200	50.1
ACCO	UC9451	23349	21911	165.2	28.8	5.2	1.2	93.8	SC	102	46	201	51.0
ACCO	48951	24394	22325	178.0	28.9	2.6	5.7	91.5	SC	111	52	202	50.5
DEKINE	D7500	27878	24372	175.4	29.3	6.9	.2	87.4	SC	98	45	200	49.3
SUPER CROST	S85	24394	20669	158.1	29.9	5.7	.1	84.7	SC	92	43	200	48.6
HULTING	X980	24374	22717	167.9	30.0	9.1	.3	93.1	SC	96	44	200	49.2
P-A-G	SX98	24394	22390	168.4	30.1	6.8	0	91.8	SC	92	44	200	47.9
GOLDEN ACRES	T-E6980	24394	22673	168.3	30.3	5.0	.6	92.9	SC	95	45	200	48.5
ASGROW	RX100	24394	22107	138.3	30.7	5.1	1.2	90.6	SC	86	38	202	50.4
MCNAIR	X300	23697	21083	148.9	34.1	3.7	1.9	89.0	SC	101	46	202	47.6
Average[4]/			23199	173.6	24.5	3.6	3.0	91.1		98	46	199	50.3
Average[5]/			22943	171.5	24.5	4.0	2.9	90.7		98	46	199	50.3

THREE- AND FOUR-YEAR AVERAGE

Brand	Hybrid No.	Yield 3-yr Bu/A	Yield 4-yr Bu/A	Moisture at harvest 3-yr %	Moisture at harvest 4-yr %	Stalk Lodging 3-yr %	Stalk Lodging 4-yr %	Emergence 3-yr %	Emergence 4-yr %	Type-Cross[2]/
SCHLESSMAN	SX520	157.5		20.5		2.1		90.9		SC
HULTING	X770	168.3	167.2	21.3	20.4	3.2	5.3	92.1	91.4	SC
DENNIS	47	169.6		22.2		3.0		93.6		SC
SCHLESSMAN	SX666	167.3	163.9	22.6	21.8	3.2	4.0	93.8	93.5	MSC
HANCOCK	X152	174.3		22.7		3.6		92.4		SSC
NORTHRUP KING	PX74	184.2		22.8		2.3		88.3		SC
BAILEYS	SX637	182.3		23.0		1.0		93.0		SC
TROJAN	TXS115A	179.0		23.3		1.3		94.0		SC
FRENCHS	532	153.6	154.5	23.4	22.3	5.8	6.7	90.7	90.2	SC
ASGROW	RX90	179.1		23.4		1.2		92.0		SC
MUNCY CHIEF	SX777	154.6	151.1	23.6	23.0	6.0	10.5	88.3	89.3	SC
DEKALB	XL54	173.3		23.7		4.4		90.1		SC
VORIS	V2532	177.1	173.7	23.8	22.7	2.7	2.6	93.4	91.3	SC
NORTHRUP KING	PX675	176.9		23.9		2.8		89.5		3WC
DENNIS	37	187.9		23.9		1.4		92.9		SC
MIGRO	M6666	174.7	174.7	23.9	23.1	1.6	2.2	92.3	91.5	SC
FUNKS	G4507	179.3		24.0		4.1		93.7		SC
PORTER	MX69	185.0	182.2	24.0	22.8	1.2	2.0	94.7	94.3	SC
NORTHRUP KING	PX76	175.9		24.0		3.0		94.3		SC
O'S GOLD	SXSS00A	173.1		24.0		1.1		90.1		SC
LANDMARK	C747X	178.2		24.0		1.7		92.3		SC
PRAIRIE STREAM	SX1L	177.6		24.1		1.9		92.7		SC
DEWINE	D5500	173.1		24.1		3.9		91.1		SC
SCHLESSMAN	SX740	159.2	156.7	24.1	23.2	3.2	7.9	88.5	89.2	SC
O-Y-O	433	164.1		24.2		1.3		92.5		3WC
SUPER CROST	5440	172.7		24.2		1.8		86.5		SC
80-JAC	X56	185.2		24.3		2.9		91.0		SC
VORIS	V2562	166.9	169.5	24.4	23.3	1.7	2.2	89.6	90.8	MSC
GOLDEN ACRES	T-E6968	178.9		24.5		2.0		89.8		SC
RUFFS	R150	171.6		24.5		1.8		93.8		SC
PRAIRIE STREAM	SX6A	177.9	177.4	24.5	23.5	2.8	3.3	91.6	91.6	SC
MIGRO	M0601	178.1		24.5		1.4		88.6		SC
GSC	7X36	171.5	169.3	24.6	23.6	1.2	1.9	88.3	88.6	SC
DEKALB	XL64	168.2	166.6	24.6	23.6	9.0	9.8	90.0	89.8	SC
ROBINSON	R4222	170.8	172.3	24.7	23.6	2.3	3.3	92.4	91.9	MSC
MCNAIR	X170	172.9	171.7	24.8	23.8	2.3	2.9	94.2	93.9	SC
PORTER	MX68	173.7	172.4	24.8	23.6	1.8	1.9	93.5	93.6	MSC
TROJAN	TXS113	172.3	174.7	24.9	23.8	1.0	2.0	91.9	92.2	SC
SUPER CROST	S67	167.6	167.1	25.2	24.1	1.1	1.5	88.8	89.4	MSC
DENNIS	69	162.9		25.2		4.0		91.5		SC
LANDMARK	C828X	174.6	174.5	25.6	24.4	1.6	2.3	94.7	92.5	MSC
GSC	7X27	162.0	161.6	25.7	24.6	3.5	3.5	93.2	93.1	SC
PIONEER	3369A	175.2	173.7	25.8	24.8	1.9	3.5	92.9	92.1	SC
FUNKS	G4646	165.2	165.3	26.1	24.9	2.0	2.3	89.3	89.2	MSC
RUFFS	R334	155.8		26.3		2.1		90.0		SC
PORTER	M75	169.4		26.5		1.1		88.4		SC
GSC	7X39	164.9		27.1		4.9		86.8		SC
MIGRO	M7072	165.6	161.5	27.2	25.8	2.8	6.7	95.2	92.5	SC
MUNCY CHIEF	SX878	157.3	159.6	28.8	27.4	4.8	4.5	85.3	85.7	SC
DEWINE	D7500	170.0		29.0		4.8		89.7		SC
P-A-G	SX98	166.1	164.0	30.0	28.2	5.0	8.7	90.2	90.3	SC
SUPER CROST	S85	155.7	153.8	30.1	28.4	4.1	4.4	84.8	83.1	SC
HULTING	X980	167.1		30.3		6.4		93.0		SC
GOLDEN ACRES	T-E6980	164.3		30.3		3.7		92.8		SC
ASGROW	RX100	145.6	153.6	30.6	28.8	3.7	3.8	91.2	90.8	SC
Average[4]/		170.5	166.6	25.0	24.2	2.9	4.2	91.2	90.8	
Average[5]/		166.5	163.9	25.1	24.1	3.2	5.1	90.5	90.3	

[1] As indicated by producer.

[2] SC - Single Cross; MSC - Modified Single Cross; SSC - Special Single Cross; 3WC - Three-Way Cross; DC - Double Cross.

[3] Average calendar day of year -- Subtract 123 to determine days from planting to silking.

[4] Average of hybrids listed.

[5] Average of all hybrids tested.

Table 7. Performance of Hybrids Tested at Mahoning Branch, OARDC, 1976.

BRAND	HYBRID NO	PLANT RATE[1] S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE CROSS[2]	TEST WT.
MIGRO	M0101	27878	25352	137.7	20.7	7.7	0.0	90.9	SC	55.3
PIONEER	3965	24394	21693	108.1	22.0	6.2	0.0	88.9	3WC	54.3
MUNCY CHIEF	SX220	25091	21344	101.6	22.2	13.2	0.8	85.0	SC	53.9
KOHLERS	12	26484	23435	124.3	22.7	11.6	0.0	88.4	MSC	54.4
P-A-G	SX177	26484	25003	141.9	23.1	8.6	0.0	94.4	SC	54.3
FUNKS	G4141	26484	22564	145.7	23.1	3.7	0.0	85.1	SC	54.6
TODD	MX33	23000	19515	112.4	23.2	5.8	0.0	84.8	SC	52.7
MUNCY CHIEF	H270	25091	21083	100.7	23.8	21.8	1.6	84.0	DC	53.6
D'S GOLD	SX949	26484	22825	129.8	24.0	8.7	0.0	86.1	SC	52.5
KOHLERS	23	26484	23871	107.0	24.3	9.6	0.0	90.1	3WC	51.8
LANDMARK	C455X	26484	24132	132.3	24.8	15.8	0.0	91.1	MSC	50.4
VORIS	V2372	25091	22041	140.6	25.6	22.6	0.0	87.8	SC	50.9
SUPER CROST	2350	24394	21780	156.6	25.8	4.4	0.0	89.2	SC	50.0
PIONEER	3780	24394	23174	151.2	25.8	1.1	0.0	94.9	SC	49.5
KOHLERS	32	26484	23522	140.8	26.1	3.3	0.0	88.8	SC	51.6
FUNKS	G4404	26484	24742	145.3	26.1	6.3	0.0	93.4	SC	52.2
P-A-G	SX210	26484	23784	140.0	26.1	19.2	0.0	89.8	SC	50.3
FUNKS	G4272	26484	25091	138.3	26.1	8.8	0.0	94.7	3WC	51.4
NORTHRUP KING	PX585	27181	24568	140.4	26.3	7.5	1.3	90.3	3WC	50.5
ROBINSON	R2821	26484	24481	139.8	26.4	7.6	0.0	92.4	SC	51.8
ANDERSON	SSE	26484	24655	137.1	26.5	4.9	0.0	93.0	SC	51.7
FRENCHS	153	27878	25352	119.6	26.5	12.7	0.0	90.9	3WC	50.4
TODD	M59	23000	21954	132.5	26.6	7.9	0.0	95.4	SC	49.8
BO-JAC	X26	25091	23261	146.6	26.7	3.9	0.0	92.7	SC	49.2
SCHLESSMAN	SX300	23000	21606	128.3	26.7	9.0	1.5	93.9	MSC	51.5
FRENCHS	164	27878	26136	105.5	27.2	54.0	0.0	93.7	SC	50.0
SUPER CROST	2470	26484	23871	142.0	27.4	5.1	0.0	90.1	MSC	49.5
NORTHRUP KING	PX46	27181	23697	150.9	28.0	3.9	0.0	87.1	SC	50.2
P-A-G	534	24394	23871	147.8	28.4	9.1	0.0	97.8	3WC	49.2
SUPER CROST	2890	24394	20996	138.4	28.7	2.0	0.0	86.0	SC	49.3
SCHLESSMAN	SX405	23000	21780	134.4	28.8	4.3	0.0	94.6	SC	51.5
VORIS	V2392	25091	20125	137.8	28.8	2.5	0.0	80.2	SC	51.7
LANDMARK	C611X	26484	24132	135.1	28.9	11.1	0.0	91.1	MSC	49.9
CHECK	A632X551	26484	24219	140.7	29.0	28.4	0.0	91.4	SC	50.0
BO-JAC	X37	23000	20473	134.9	29.2	6.0	0.0	89.0	SC	49.4
P-A-G	220	26484	24655	151.4	29.4	4.6	0.0	93.0	SC	50.2
ANDERSON	AX3	26484	22651	110.7	29.6	6.9	0.3	85.5	MSC	51.1
RUFFS	R77	27878	23435	140.6	29.6	4.4	0.0	84.0	SC	50.1
O-Y-O	220	24394	23261	130.4	29.6	13.8	0.0	95.3	MSC	50.7
BO-JAC	X35	23000	21519	142.3	29.7	1.1	0.0	93.5	MSC	48.6
FUNKS	G4321A	26484	24045	153.8	29.7	4.1	0.0	90.7	SC	51.2
NORTHRUP KING	PX65	27181	23610	141.0	29.8	11.2	0.0	86.8	SC	46.2
VORIS	V2452	24394	20735	132.1	30.0	12.8	0.3	85.0	MSC	48.0
TROJAN	TXS105A	27878	25962	151.1	30.0	5.0	0.0	93.1	SC	49.7
TROJAN	TX108	27878	25962	142.2	30.0	6.3	0.0	93.1	3WC	49.9

Table 7 (Cont'd.)

BRAND	HYBRID NO	PLANT[1] RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS	TEST WT.
ANDERSON	SSM	26484	23174	128.6	30.2	5.4	0.0	87.5	SC	49.7
NORTHRUP KING	PX48	27181	25091	149.2	30.3	4.8	0.0	92.3	SC	49.7
FRENCHS	295	26484	22651	135.7	30.3	2.6	0.0	85.5	SC	49.6
PIONEER	3709	24394	20473	127.1	30.6	2.1	0.0	83.9	MSC	49.7
FRENCHS	213M	26484	24045	136.6	30.7	7.3	0.0	90.7	SC	47.6
GSC	7X11	27878	23784	134.8	31.0	2.2	0.0	85.3	SC	49.4
SCHLESSMAN	SX500	22303	21780	134.0	31.1	6.3	0.0	97.6	MSC	49.7
GSC	7X15	25091	23000	139.5	31.2	4.1	0.0	91.6	SC	49.4
MIGRO	M1130	27878	25875	147.0	31.4	3.0	0.3	92.8	SC	49.3
TROJAN	TXS108A	23000	20996	131.3	31.4	6.5	0.3	91.2	SC	47.2
ACCO	U356	24394	22738	146.2	31.6	9.9	0.0	93.2	3WC	49.5
KOHLERS	EX1	26484	23435	139.3	31.9	4.8	0.7	88.4	MSC	49.0
RUFFS	R224	27878	23697	144.1	32.0	15.7	0.0	85.0	MSC	47.4
LANDMARK	C636X	25091	23087	140.8	32.0	2.6	0.0	92.0	MSC	49.3
ANDERSON	AX5	26484	23784	137.3	32.2	5.4	0.0	89.8	MSC	49.8
O'S GOLD	SX1100	26484	23087	139.3	32.3	6.0	0.0	87.1	SC	49.6
PIONEER	3518	24394	21257	134.6	32.7	1.3	0.0	87.1	MSC	47.9
ROBINSON	R3127	26484	24132	138.6	32.8	3.7	3.9	91.1	SC	48.3
NORTHRUP KING	PX606	27181	24394	127.0	33.0	17.9	0.0	89.7	3WC	47.0
LANDMARK	C676X	26484	24132	140.2	33.0	3.5	0.0	91.1	MSC	49.7
ANDERSON	3W105	26484	23871	115.1	33.3	11.1	0.7	90.1	3WC	50.7
ACCO	UC4201	24394	22303	139.2	33.5	9.0	0.0	91.4	SC	48.8
SUPER CROST	2890A	24394	21170	126.1	33.5	0.8	0.0	86.7	MSC	47.0
O=Y=O	320	24394	24045	129.0	33.8	5.4	0.0	98.5	3WC	47.5
GSC	7X16	27878	23522	132.6	34.0	2.1	1.0	84.3	SC	48.6
VORIS	V2402	25091	23784	146.9	34.2	3.5	0.3	94.7	SC	49.0
FUNKS	G4449	24394	21257	123.0	34.2	1.1	0.0	87.1	SC	49.7
GSC	7X23	25091	22738	140.4	34.3	2.6	0.0	90.6	SC	48.0
DEKALB	XL43	28575	24829	129.7	34.4	4.9	0.0	86.8	SC	50.2
DEKALB	XL64	26484	24568	143.0	34.8	10.4	0.0	92.7	SC	50.0
TROJAN	TXS113	25091	23871	144.4	35.0	5.9	0.0	95.1	SC	49.3
ACCO	UC3301	25091	23087	135.4	35.3	4.1	0.7	92.0	SC	48.5
RUFFS	R150	27878	26136	139.3	35.5	5.6	0.0	93.7	SC	49.1
TODD	M38	23000	21780	115.2	35.6	19.5	0.0	94.6	SC	49.7
TROJAN	TXS115A	22303	21083	141.1	35.9	2.4	0.0	94.5	SC	47.7
MIGRO	M0501	23000	21519	135.1	36.0	3.8	0.0	93.5	SC	45.3
RUFFS	R122	27878	25962	145.1	36.3	5.7	0.0	93.1	SC	48.3
MIGRO	M0301	27878	25875	138.8	36.3	7.0	0.0	92.8	SC	49.2
DEKALB	XL54	26484	23958	137.2	36.5	6.8	0.3	90.4	SC	50.9
MIGRO	M0505	23000	20735	138.5	36.8	3.3	0.0	90.1	SC	47.9
PIONEER	3535	26484	25003	136.4	36.8	1.7	0.0	94.4	SC	49.0
SUPER CROST	5440	24394	19950	133.4	38.4	1.7	0.0	81.7	SC	47.6
LANDMARK	C757X	25091	23087	126.6	38.9	4.5	0.0	92.0	MSC	49.3
VORIS	V2532	22303	21170	134.1	39.2	3.7	0.0	94.9	SC	47.1
AVERAGE ALL ENTRIES			23212.	135.3	30.2	7.5	0.1	90.4		49.8
LSD,P=.05			1849.	12.9	2.7	8.6	1.4	7.1		3.9

[1] As indicated by producer.

[2] SC - Single Cross; MSC - Modified Single Cross; SSC - Special Single Cross; 3WC - Three-Way Cross; DC - Double Cross.

Table 8. Performance of Hybrids Tested at Wooster, Ohio, 1976.

BRAND	HYBRID NO	PLANT[1] RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS	PLANT HT.IN	EAR HT.IN	DAY[3] MID SILK
MIGRO	M0101	27878	25352	144.3	19.1	13.4	0.0	90.9	SC	95	49	206
P-A-G	SX177	26484	25526	149.1	20.3	9.5	0.6	96.3	SC	91	47	205
TODD	MX33	23000	19776	131.1	20.4	3.5	0.0	85.9	SC	87	39	203
MUNCY CHIEF	SX220	25091	19950	105.7	20.6	8.8	0.0	79.5	SC	75	37	202
KOHLERS	12	26484	25439	124.7	21.1	8.9	0.6	96.0	MSC	90	41	205
FRENCHS	164	27878	26223	122.7	21.1	60.0	0.0	94.0	SC	85	39	207
FUNKS	G4404	26484	25526	156.0	21.4	5.1	0.0	96.3	SC	98	48	211
FUNKS	G4141	26484	24568	156.1	21.6	8.0	0.0	92.7	SC	92	41	207
PIONEER	3965	24394	21693	128.8	21.7	1.1	0.0	88.9	3WC	76	38	202
O'S GOLD	SX949	26484	23871	143.9	21.9	13.2	0.0	90.1	SC	88	42	206
LANDMARK	C455X	26484	24132	167.1	22.1	6.3	0.0	91.1	MSC	91	46	208
VORIS	V2372	25091	24481	153.3	22.2	43.7	0.0	97.5	SC	96	47	208
PIONEER	3780	24394	23522	164.1	22.4	3.7	0.0	96.4	SC	96	43	207
ROBINSON	R2021	26484	25091	154.9	22.5	6.2	0.0	94.7	SC	99	48	210
SUPER CROST	2350	24394	22128	168.5	22.6	1.2	0.0	90.7	SC	96	43	209
MUNCY CHIEF	H270	25091	22216	120.4	22.7	23.3	0.4	88.5	DC	82	39	204
FUNKS	G4272	26484	24306	146.0	22.8	8.1	0.0	91.7	3WC	88	39	205
P-A-G	SX210	26484	25613	152.9	22.8	17.7	0.0	96.7	SC	95	45	207
KOHLERS	23	26484	25091	137.3	22.8	12.1	0.0	94.7	3WC	88	43	205
NORTHRUP KING	PX585	27181	25875	154.7	23.0	5.3	0.6	95.1	3WC	103	52	209
ANDERSON	SSE	26484	25178	149.8	23.2	4.5	0.3	95.1	SC	94	48	211
SCHLESSMAN	SX405	23000	22216	146.6	23.4	7.4	0.4	96.5	SC	90	41	212
VORIS	V2392	25091	21954	144.7	23.7	3.2	0.0	87.4	SC	94	43	207
FUNKS	G4321A	26484	24568	162.1	23.8	7.8	0.0	92.7	SC	97	44	208
SCHLESSMAN	SX300	23000	22564	137.6	24.0	6.9	0.3	98.1	MSC	92	41	207
KOHLERS	32	26484	25526	150.7	24.1	8.1	0.0	96.3	SC	100	47	211
FRENCHS	153	27878	24916	137.7	24.1	14.1	0.0	89.3	3WC	91	44	207
TODD	M59	23000	21519	141.2	24.4	4.4	0.0	93.5	SC	97	49	208
O'S GOLD	SX1100	26484	24045	153.1	24.5	6.3	0.3	90.7	SC	93	39	207
SUPER CROST	2890	24394	20212	139.0	24.6	1.3	0.0	82.8	SC	95	44	211
RUFFS	R224	27878	23871	167.3	24.6	8.7	0.3	85.6	MSC	99	48	209
P-A-G	534	24394	22825	138.0	24.7	16.1	0.3	93.5	3WC	98	45	208
BO-JAC	X37	23000	19776	146.1	24.8	1.7	0.0	85.9	SC	94	46	209
BO-JAC	X26	25091	22738	168.2	24.8	0.3	0.0	90.6	SC	90	43	207
TROJAN	TXS105A	27878	25091	153.1	24.9	6.2	0.0	90.0	SC	95	52	208
P-A-G	220	26484	25526	158.7	25.0	6.8	0.3	96.3	SC	96	47	208
SUPER CROST	2470	26484	24306	162.3	25.1	4.3	0.0	91.7	MSC	99	48	208
LANDMARK	C611X	26484	22303	141.9	25.1	2.3	0.3	84.2	MSC	96	47	211
GSC	7X11	27878	22651	160.2	25.3	2.5	0.0	81.2	SC	92	41	207
ANDERSON	AX3	26484	23174	125.8	25.4	10.7	0.0	87.5	MSC	92	45	206
PIONEER	3709	24394	22913	156.8	25.6	0.7	0.0	93.9	MSC	89	42	209
NORTHRUP KING	PX46	27181	25613	165.0	25.6	2.0	0.0	94.2	SC	99	46	208
BO-JAC	X35	23000	22303	170.1	25.7	2.3	0.0	96.9	MSC	93	44	209
CHECK	A632X551	26484	23697	163.2	25.7	10.3	0.0	89.4	SC	104	52	209
O-Y-O	220	24394	23348	143.9	25.8	7.0	0.0	95.7	MSC	95	44	213
SCHLESSMAN	SX500	22303	22041	158.3	25.8	4.7	0.0	98.8	MSC	98	45	211
GSC	7X15	25091	23435	152.2	26.2	7.0	0.0	93.4	SC	99	47	210
GSC	7X16	27878	24481	153.9	26.3	2.1	0.7	87.8	SC	92	43	208
PIONEER	3518	24394	23348	154.7	26.3	1.8	0.0	95.7	MSC	90	40	207
O-Y-O	320	24394	23871	151.0	26.4	2.1	0.0	97.8	3WC	100	48	210
VORIS	V2402	25091	23610	152.4	26.4	5.7	0.3	94.1	SC	91	53	207
NORTHRUP KING	PX48	27181	25526	161.6	26.5	10.5	0.6	93.9	SC	98	42	206
ANDERSON	3W105	26484	24742	139.9	26.7	4.8	0.0	93.4	3WC	92	44	210
FRENCHS	295	26484	24481	159.4	26.7	1.7	0.0	92.4	SC	93	45	212
VORIS	V2452	24394	22128	156.9	26.8	7.8	0.0	90.7	MSC	101	50	212
ROBINSON	R3127	26484	24916	159.8	26.8	2.4	0.3	94.0	SC	102	51	213
MIGRO	M1130	27878	24394	161.6	27.0	4.2	0.3	87.5	SC	98	48	209
ANDERSON	AX5	26484	23522	149.2	27.0	10.3	0.0	88.8	MSC	94	44	211
SUPER CROST	2890A	24394	21257	149.9	27.1	0.8	0.0	87.1	MSC	101	47	211
LANDMARK	C636X	25091	23522	155.7	27.4	3.3	0.3	93.7	MSC	101	49	211

Table 8 (Cont'd.)

BRAND	HYBRID NO	PLANT[1] RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS	PLANT HT.IN	EAR HT.IN	DAY[3] MID SILK
TROJAN	TX108	27878	26136	147.2	27.6	4.0	0.3	93.7	3WC	100	52	210
KOHLERS	EX1	26484	24742	165.7	27.6	2.5	0.0	93.4	MSC	96	45	208
ANDERSON	SSM	26484	24568	149.5	27.7	6.4	0.0	92.7	SC	97	44	208
FRENCHS	213M	26484	24045	159.6	27.9	2.1	0.3	90.7	SC	102	51	212
RUFFS	R77	27878	24655	148.1	28.0	3.8	0.0	88.4	SC	97	45	210
ACCO	UC4201	24394	22651	158.8	28.2	4.5	0.0	92.8	SC	88	42	207
ACCO	UC3301	25091	22477	164.3	28.5	4.3	1.4	89.5	SC	96	43	206
NORTHRUP KING	PX606	27181	24655	152.1	28.5	6.3	0.0	90.7	3WC	99	51	212
ACCO	U356	24394	22738	143.7	28.6	13.9	0.0	93.2	3WC	97	47	210
LANDMARK	C676X	26484	21085	152.5	29.0	3.6	0.0	79.6	MSC	89	39	211
NORTHRUP KING	PX65	27181	25091	168.8	29.0	2.4	0.0	92.3	SC	101	52	213
DEKALB	XL43	28575	27966	168.8	29.1	3.0	0.0	97.8	SC	87	41	207
GSC	7x23	25091	20473	144.3	29.2	2.1	0.8	81.5	SC	100	46	212
DEKALB	XL54	26484	25003	170.9	29.2	7.3	0.3	94.4	SC	96	44	208
TROJAN	TXS108A	23000	21954	148.9	29.4	3.5	0.0	95.4	SC	98	46	211
MIGRO	M0301	27878	26049	172.8	30.3	3.0	0.0	93.4	SC	98	48	211
PIONEER	3535	26484	25091	157.1	30.8	0.3	0.0	94.7	SC	101	52	211
TODD	M38	23000	22216	120.0	31.7	14.5	0.0	96.5	SC	89	44	212
TROJAN	TXS113	25091	24306	166.6	31.8	2.8	0.3	96.8	SC	101	46	209
DEKALB	XL64	26484	25091	149.9	31.9	24.6	0.0	94.7	SC	90	44	208
FUNKS	G4449	24394	22913	136.3	32.3	1.1	1.1	93.9	SC	97	44	209
TROJAN	TXS115A	22303	19776	149.8	33.0	1.2	0.4	88.6	SC	100	49	212
MIGRO	M0505	23000	21954	151.4	33.0	1.2	0.0	95.4	SC	96	51	211
VORIS	V2532	22303	21780	159.5	33.5	0.0	0.0	97.6	SC	100	52	212
MIGRO	M0501	23000	19863	146.7	33.7	1.2	0.0	86.3	SC	101	51	213
LANDMARK	C757X	25091	19689	136.4	33.9	3.5	0.0	78.4	MSC	98	48	211
RUFFS	R150	27878	25758	159.3	34.0	5.4	1.6	92.5	SC	101	48	210
RUFFS	R122	27878	27007	161.5	34.5	3.8	0.3	96.8	SC	99	47	210
SUPER CROST	5440	24394	21344	148.7	36.0	0.3	0.7	87.5	SC	101	50	214
AVERAGE ALL ENTRIES		23990.		150.8	26.3	6.8	0.1	91.9		95.	45.	209.
LSD.P=.05		1718.		15.1	2.4	6.8	0.8	6.7		4.	6.	1.

[1] As indicated by producer.

[2] SC - Single Cross; MSC - Modified Single Cross; SSC - Special Single Cross; 3WC - Three-Way Cross; DC - Double Cross.

[3] Average calendar day of year -- Subtract 125 to determine days from planting to silking.

Table 9. Two- and Three-year Hybrid Performance, Northeastern Ohio.

BRAND	HYBRID NO.	PLANT[1] RATE S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE[2] CROSS	PLANT HT.IN	EAR HT.IN	DAY[3] MID SILK	TEST WT.
MIGRO	M0101	25439	22172	136.0	20.0	6.1	.2	86.8	SC	92	50	202	54.5
P-A-G	SX177	26484	22847	148.3	20.5	6.2	.3	86.3	SC	90	48	202	55.7
MUNCY CHIEF	SX220	25091	20342	110.7	21.2	6.7	.2	81.1	SC	79	42	198	53.8
KOHLERS	12	26484	22978	128.7	21.3	6.8	1.4	86.8	MSC	86	42	203	54.7
FUNKS	G4141	26484	22150	150.6	21.5	3.4	0	83.6	SC	88	44	203	54.3
MUNCY CHIEF	H270	25091	21475	115.8	22.4	14.0	1.8	85.6	DC	83	44	200	53.4
KOHLERS	23	25439	22935	126.0	22.8	7.3	0	90.1	3WC	86	46	202	52.1
LANDMARK	C455X	25875	22324	140.1	22.9	7.7	0	86.2	MSC	87	46	205	51.4
FUNKS	G4404	26484	23718	150.9	23.0	4.4	0	89.6	SC	94	49	208	52.6
FRENCHS	153	26136	23849	134.2	23.5	7.5	0	91.3	3WC	89	46	203	51.4
PIONEER	3780	24394	22063	156.2	23.6	1.7	.1	90.4	SC	92	46	204	49.6
ANDERSON	AX3	25091	20648	119.4	24.4	6.3	.1	82.1	MSC	90	46	204	52.1
KOHLERS	32	26484	21802	141.4	24.5	4.2	0	82.3	SC	92	47	208	51.8
P-A-G	SX210	26484	23392	143.9	24.6	10.7	0	88.3	SC	92	46	205	50.4
SCHIESSMAN	SX405	23349	20996	138.8	24.8	3.7	.2	90.0	SC	87	44	210	52.0
FUNKS	G4321A	26484	23414	156.1	25.3	3.3	0	88.4	SC	96	48	205	51.0
NORTHRUP KING	PX46	26136	21170	147.3	25.3	1.9	0	80.6	SC	95	44	204	51.4
CHECK	A632x551	26484	23043	155.0	25.4	10.2	.5	87.0	SC	100	54	206	50.5
TROJAN	TXS105A	27878	24307	156.3	25.4	3.6	.2	87.2	SC	96	54	205	50.0
LANDMARK	C611X	25483	22063	141.6	25.8	4.5	.1	86.5	MSC	94	48	206	50.5

Table 9 (Cont'd.)

BRAND	HYBRID NO.	PLANT RATE[1] S/A	FINAL STAND PL/A	YIELD BU/A	HARV. MOIST	PCT STALK LODGE	PCT ROOT LODGE	PCT EMERG	TYPE CROSS[2]	PLANT HT. IN	EAR HT. IN	DAY MID SILK[3]	TEST WT.
SUPER CROST	2470	25439	22063	148.4	26.1	3.1	0	86.6	MSC	98	51	206	49.4
SUPER CROST	2890	24394	19755	137.6	26.1	1.8	0	81.0	SC	94	47	207	49.8
GSC	7X11	26484	22325	145.5	26.2	1.8	.1	84.4	SC	89	42	204	49.9
BO-JAC	X37	26484	23087	150.7	26.2	2.8	.5	87.2	SC	96	50	206	50.0
O-Y-O	220	24394	22237	137.7	26.3	5.6	0	91.2	MSC	93	46	210	51.6
GSC	7X15	25091	21279	138.6	26.5	4.1	0	84.8	SC	96	49	207	50.0
RUFFS	R77	27181	23500	145.8	26.5	2.7	0	86.5	SC	94	48	206	51.2
SCHLESSMAN	SX500	23000	21105	140.4	26.6	4.1	0	92.0	MSC	94	46	207	50.4
O'S GOLD	SX1100	25439	22281	141.5	26.6	3.9	.1	87.6	SC	92	42	203	49.7
NORTHRUP KING	PX48	26136	23370	147.6	27.2	5.1	.2	89.3	SC	93	44	203	50.4
LANDMARK	C636X	24742	21540	145.4	27.2	2.5	.1	87.0	MSC	94	49	206	50.6
FRENCHS	295	25439	21715	142.4	27.3	2.0	0	85.2	SC	89	45	210	50.6
VORIS	V2402	24829	22303	150.8	27.4	3.7	.2	89.8	SC	90	50	204	48.5
ANDERSON	3WiOS	25091	22237	121.0	27.4	5.3	.3	88.4	3WC	87	44	208	51.2
PIONEER	3518	24394	22063	150.3	27.6	.8	.1	90.4	MSC	90	42	204	48.3
ACCO	U356	24394	21910	142.8	27.6	7.9	0	89.8	3WC	94	48	206	50.3
FRENCHS	213M	25439	21715	144.0	27.7	3.5	.8	85.2	SC	99	53	208	47.7
NORTHRUP KING	PX6S	26136	22564	152.7	27.9	3.9	.4	86.2	SC	104	56	210	47.1
VORYS	V2452	24394	21148	144.1	27.9	5.9	.9	86.7	MSC	100	52	208	48.5
MIGRO	M1130	27878	23784	155.7	28.0	2.3	.3	85.3	SC	96	49	206	49.8
GSC	7X16	26484	22324	144.7	28.1	1.8	.4	84.2	SC	92	46	205	50.1
BO-JAC	X35	26484	23806	157.6	28.2	1.8	.5	90.5	MSC	97	50	208	48.5
TORJAN	TXS108A	23000	21236	145.6	28.3	3.3	.4	92.4	SC	95	50	208	47.4
SUPER CROST	2890A	24394	19210	131.5	28.3	.4	0	78.8	MSC	96	50	208	47.6
DEKALB	XL43	27530	23631	149.4	28.8	2.0	0	85.6	SC	86	43	204	51.0
NORTHRUP KING	PX606	26136	22869	142.7	29.2	7.7	.9	87.4	3WC	102	56	208	47.5
DEKALB	XL54	26484	22869	157.2	30.3	5.2	.2	86.4	SC	103	46	205	51.6
DEKALB	XL64	26484	22673	148.7	30.3	10.3	.1	85.6	SC	88	44	204	50.1
TROJAN	TXS115A	22652	20081	144.3	31.3	1.1	.1	88.7	SC	97	51	209	48.2
MIGRO	M0501	23000	20517	142.9	31.3	2.3	1.1	89.2	SC	100	52	209	46.6
PIONEER	3535	26484	24024	151.2	31.7	.7	0	90.7	SC	98	52	208	50.5
VORIS	V2532	22652	20931	153.3	32.4	1.3	0	92.5	SC	98	54	208	47.4
RUFFS	R150	27181	24764	148.8	33.2	3.7	.7	91.1	SC	99	51	206	49.3
SUPER CROST	5440	24394	19667	145.5	33.5	.8	.2	80.6	SC	98	52	209	48.1
RUFFS	R122	27181	24764	152.2	33.7	2.7	.1	91.0	SC	102	51	207	48.6
Average[4]			22222	143.6	26.7	4.3	.3	87.1		92	48	206	50.4
Average[5]			22261	142.1	26.8	4.6	.2	86.9		93	47	206	50.3

THREE-YEAR AVERAGE

Brand	Hybrid No	Bu/A	Moisture at Harvest %	Stalk Lodging %	Emergence %	Type[2] Cross
Migro	M0101	131.4	19.8	6.0	86.3	SC
Kohler	12	120.1	21.1	6.4	85.9	MSC
Landmark	C455X	134.0	22.6	6.5	87.3	MSC
Funk	G4404	139.8	22.8	4.4	89.1	SC
Pioneer	3780	146.4	23.0	1.9	90.1	SC
Schlessman	SX405	125.8	24.8	5.0	88.3	SC
Bo-Jac	X37	142.6	25.4	3.0	86.0	SC
French's	295	137.2	25.8	2.9	84.7	SC
GSC	7X11	132.3	26.1	2.0	83.4	SC
Schlessman	SX500	127.0	26.2	4.9	89.0	MSC
O-Y-O	220	122.4	26.7	6.0	88.6	MSC
Pioneer	3518	139.6	27.0	1.1	90.2	MSC
GSC	7X15	126.0	27.1	4.1	84.9	SC
Northrup, King	PX48	137.5	27.1	3.7	88.3	SC
Voris	V2402	136.4	27.3	3.1	88.5	SC
GSC	7X16	137.3	27.4	3.8	86.1	SC
Trojan	TXS108A	137.0	27.7	4.0	90.2	SC
Voris	V2452	137.6	27.9	4.6	87.4	MSC
Bo-Jac	X35	148.7	28.0	6.5	91.7	MSC
Migro	M1130	143.6	28.2	3.2	85.3	SC
Northrup, King	PX6S	142.0	28.8	3.3	86.7	SC
DeKalb	XL43	140.0	29.2	2.5	85.6	SC
Northrup, King	PX606	128.0	29.5	7.4	84.9	3WC
Pioneer	3535	142.2	29.7	3.3	91.5	SC
DeKalb	XL54	145.1	30.0	7.0	87.2	SC
DeKalb	XL64	141.2	30.1	11.3	87.2	SC
Trojan	TXS115A	140.9	31.0	1.1	90.3	SC
Migro	M0501	132.0	31.2	4.1	88.1	SC
Ruff's	R150	135.8	33.0	4.3	90.2	SC
Average[4]		136.2	27.1	4.4	87.7	
Average[5]		132.0	26.7	5.0	86.3	

[1] As indicated by producer.

[2] SC - Single Cross; MSC - Modified Single Cross; SSC - Special Single Cross; 3WC - Three-Way Cross; DC - Double Cross.

[3] Average calendar day of year -- Subtract 124 to determine days from planting to silking.

[4] Average of hybrids listed.

[5] Average of all hybrids tested.

Table 10. Performance of High-Lysine Hybrids Tested at Western Branch, OARDC, 1976

			High-Lysine							Normal Counterpart							
Brand	Hybrid No.	Planting[1] rate seeds/A	Final stand plants per acre	Yield Bu/A	Moist. at harv. %	Stalk lodging %	Emer-gence %	Lysine[2] content %	Test[3] wt. lbs/bu	Hybrid No.	Final stand plants per acre	Yield Bu/A	Moist. at harv. %	Stalk lodging %	Emer. gence %	Lysine[2] content %	Test[3] wt. lbs/bu	Type[4] Cross
Crow's	HL450	23,000	19,166	129.8	19.7	1.3	83.3	.34	51.7	No Normal Counterpart								SC
Ruff's	R94A	26,484	24,132	137.2	22.8	.3	91.1	.33	52.3	No Normal Counterpart								SC
Pfister	1239	21,606	19,428	136.4	24.4	0	89.9	.37	48.8	70	20,560	163.1	22.7	.4	95.1	.31	57.5	SC
Trojan	LTXS115	24,394	22,825	148.0	24.7	.3	93.5	.37	49.4	No Normal Counterpart								SC
Crow's	HL711	23,000	21,257	152.0	24.7	0	92.4	.36	50.1	No Normal Counterpart								SC
Crow's	HL715	23,000	22,128	155.2	25.2	1.1	96.2	.34	50.6	No Normal Counterpart								SC
Pfister	477	21,606	20,038	127.6	25.2	1.2	92.7	.41	49.1	1281	19,602	153.6	22.7	1.2	90.7	.32	56.6	3WC
Pioneer	L3369	24,394	22,913	149.6	28.1	0	93.9	.32	49.9	3369A	21,867	178.8	24.5	.3	89.6	.26	56.3	SC
Crow's	HL620	25,091	22,738	150.2	28.8	1.8	90.6	.34	50.2	No Normal Counterpart								SC
Av. of hybrids listed.			21,625	143.0	24.8	.7	91.5	.35	50.2		20,676	165.2	23.3	.6	91.8	.30	56.8	
Av. of check hybrids.			22,390	182.2	23.6	.3	91.8				23,218	188.3	23.6	.2	95.2			
LSD(.05)			1,824	14.3	1.7	1.5	7.7		1.1		1,841	15.4	1.1	1.0	15.9		1.1	
TWO-YEAR AVERAGE																		
Ruff's	R94A		24,699	138.2	26.1	2.6	93.2	.39	49.6	No Normal Counterpart								
Crow's	HL711		21,780	161.0	27.0	.2	94.7	.38	49.7	No Normal Counterpart								
Trojan	LTXS115		23,740	156.0	27.3	1.7	93.3	.39	49.1	No Normal Counterpart								
Crow's	HL715		22,520	163.3	29.4	.6	95.1	.36	49.6	No Normal Counterpart								
Pioneer	L3369		23,174	162.8	30.0	.2	95.0	.35	49.9	3369-A	22,739	187.9	26.0	.5	93.2	.30	55.7	
Av. of two-year entries.			23,183	156.3	28.0	1.1	94.3	.37	49.6		22,739	187.9	26.0	.5	93.2	.30	55.7	
Av. of all hybrids tested.			22,469	149.4	27.3	1.6	92.5	.38	49.9		22,216	174.8	24.9	1.8	93.3	.32	56.7	
THREE-YEAR AVERAGE																		
Ruff's	R94A		24,399	140.1	25.4	3.2	93.7	.38	50.4	No Normal Counterpart								
Trojan	LTXS115		24,227	154.5	27.0	1.8	93.9	.39	49.5	No Normal Counterpart								
Crow's	HL711		21,887	159.9	27.0	.1	96.1	.37	49.9	No Normal Counterpart								
Pioneer	L3369		23,383	158.4	29.8	.5	95.8	.35	50.2	3369-A	23,026	181.9	26.6	.8	94.3	.28	55.5	
Av. of three-year entries.			23,474	153.2	27.3	1.4	94.9	.37	50.0		23,026	181.0	26.6	.8	94.3	.28	55.5	
Av. of all hybrids tested.			22,519	145.2	27.1	2.5	92.9	.37	50.3		22,272	168.2	25.2	3.4	92.6	.30	57.0	
FOUR-YEAR AVERAGE																		
Ruff's	R94A		22,974	135.4	24.1	6.2	89.0	.35	51.1	No Normal Counterpart								
Pioneer	L3369		23,037	153.5	28.3	3.6	94.4	.33	50.5	3369A	22,744	179.0	25.4	2.6	93.2	.26	55.9	
Av. of four-year entries			23,006	144.5	26.2	4.9	91.7	.34	50.8		22,744	179.0	25.4	2.6	93.2	.26	55.9	
Av. of all hybrids tested			22,111	140.0	25.5	5.0	90.7	.36	50.5		22,086	163.6	23.9	4.3	91.5	.29	57.0	

[1] As indicated by producer.

[2] Percent lysine of whole kernel corn at 10.0 percent moisture.

[3] Pounds per bushel at 15.5 percent moisture.

[4] SC - Single Cross; 3WC - Three-Way Cross

Table 11. Field Data and Production Practices.

	Ohio Corn Performance Test						High-Lysine Corn Performance Test	
	Northwestern Region		Southwestern Region		Northeastern Region			
	Northwestern Branch	Findlay	Western Branch	Washington C.H.	Mahoning	Wooster	High-Lysine Hybrids	Normal Counterpart
1975 Crop	Corn	Soybeans	Corn	Corn	Corn	Corn	Corn	Corn
Soil Type	Hoytville clay	Mermill sandy loam	Brookston silty clay loam	Brookston silty clay loam	Canfield silt loam	Ravenna silt loam	Brookston silty clay loam	Brookston silty clay loam
Planting Date	April 23	May 10	April 29	April 28	May 5	May 4	April 30	April 30
Row Width	30 inches	30 inches	30 inches	30 inches	30 inches	30 inches	30 inches	30 inches
Soil Test -								
pH	6.7	6.8	6.4	5.8	6.7	6.7	7.2	7.2
Avail.P (lb/A)	85	65	75	57	46	81	47	47
Exch. K. (lb/A)	386	305	306	294	127	299	228	228
Fertilization (lb/A)								
N	350	400	350	350	350	350	350	350
P_2O_5	92	46	80	80	100	150	80	80
K_2O	120	300	140	300	300	200	200	200
Harvest Date	Oct. 14-15	Nov. 1-3	Oct. 18-19	Oct. 27-29	Nov. 17-18	Nov. 15-16	Oct. 22	Oct. 22
Number of Entries	147	147	160	160	88	88	9	3
2nd Year Entry	77	77	99	99	54	54	5	1
3rd Year Entry	48	48	55	55	29	29	4	1
4th Year Entry	24	24	26	26	---	---	2	---
5th Year Entry	8	8	9	9	---	---	---	---
Number of Companies	46	46	50	50	23	23	5	2

Table 12. Seed Source and Table Location of Hybrids

Brand	Producer	Hybrid No.	Table No.
Acco	Acco Seed Box 9 Belmond, Iowa 50421	UC3301	1,2,7,8
		UC4201	1,2,3,7,8
		UC7601	1,2
		UC8801	4,5
		UC9451	4,5,6
		U356	7,8,9
		489S1	4,5,6
Anderson	The Andersons P.O. Box 119 Maumee, Ohio 43537	3W105	7,8,9
		3W110	1,2
		3W115	4,5,6
		AX3	7,8,9
		AX5	1,2,3,7,8
		AX9	1,2,4,5,6
		AX12	4,5,6
		SSE	7,8
		SSL	1,2,4,5
		SSM	7,8
		SST	4,5
		SSX	1,2
Asgrow	Asgrow Seed Company Box 2010 Des Moines, Iowa 50310	RX58	1,2,3
		RX60	1,2,3
		RX64	1,2,3
		RX70A	1,2,3
		RX90	4,5,6
		RX94	4,5
		RX100	4,5,6
		2445	1,2
Bailey's	Bailey Seed Farm, Inc. Rt. 6 Box 178 Portland, Inc. 47371	SP645	1,2,4,5,6
		SX437	1,2,3
		SX637	1,2,4,5,6
Bo-Jac	Bo-Jac Hybrid Corn Co. R. R. #2 Mt. Pulaski, Ill. 62548	X26	7,8
		X35	7,8,9
		X37	7,8,9
		X52A	4,5,6
		X56	4,5,6
		X69	4,5
		X622A	4,5
Buehl's	Buehl's Seed Farm R. #1 London, Ohio 43140	461	4,5
		463	4,5
Cargill	Cargill Seeds 1433 Cargill Bldg. Minneapolis, Minn. 55402	434	1,2
		863	1,2,3
		875	1,2,3
		890	1,2,3
		920	1,2,3,4,5,6
		949	4,5,6
Caven's	Caven's Farm Seeds R.R. #1 Conover, Ohio 45317	XC23	1,2
		XC73	1,2
Crow's	Crow's Hybrid Corn Co. P.O. Box 206 Milford, Illinois 60953	HL450	10
		HL620	10
		HL711	10
		HL715	10
DeKalb	DeKalb Ag Research, Inc. P.O. Box 31 London, Ohio 43140	XL43	1,2,3,4,5,7,8,9
		XL54	1,2,3,4,5,6,7,8,9
		XL64	1,2,3,4,5,6,7,8,9
		XL72B	4,5,6
Dennis	Dennis Hybrids Windfall, Indiana 46076	14A	1,2
		37	1,2,4,5,6
		37E	1,2,4,5,6
		47	4,5,6
		47A	1,2
		69	4,5,6
Dewine	Dewine Seed Co. P.O. Box 68 Yellow Springs, Ohio 45387	D335	4,5,6
		D5150	4,5
		D5450	4,5
		D5500	4,5,6
		D7500	4,5,6
French's	W. S. French & Son R.D #3 Wakeman, Ohio 44889	153	7,8,9
		164	7,8
		213M	7,8,9
		295	7,8,9
		532	1,2,3,4,5,6
		747	1,2,3,4,5,6
		M63	1,2,4,5
		M73	1,2,3,4,5,6
Funk's	Funk Seeds International, Inc. 1300 West Washington Bloomington, Illinois 61701	G4141	7,8,9
		G4272	7,8
		G4321A	1,2,3,7,8,9
		G4404	1,2,3,7,8,9
		G4449	1,2,3,4,5,6,7,8
		G4507	1,2,3,4,5,6
		G4520	1,2,4,5
		G4611	4,5,6
		G4646	4,5,6
Golden Acres	Taylor-Evans Seed Company P.O. Box 68 Tulia, Texas 79088	T-E6968	4,5,6
		T-E6980	4,5,6
		T-E6992	4,5
		T-E6995	4,5
Gries	Gries Seed Farms, Inc. 2348 N. 5th St. Fremont, Ohio 43420	X530	1,2,4,5,6
		X610	1,2,3,4,5,6
GSC	Madison Seed Co., Inc. 9850 St. Rt. 38, SW London, Ohio 43140	7X11	7,8,9
		7X15	1,2,3,7,8,9
		7X16	1,2,3,7,8,9
		7X23	1,2,3,7,8
		7X25	1,2,3,4,5,6
		7X27	4,5,6
		7X36	4,5,6
		7X39	4,5,6
		7X55	4,5
Gutwein	Fred Gutwein & Sons, Inc. R.R. 1, Box 40 Francesville, Ind. 47946	46	1,2,3
		62	1,2,4,5,6
		72	4,5,6
Hancock	Hancock Hybrids, Inc. 1205 E. Sandusky St. Findlay, Ohio 45840	X133	1,2,4,5
		X152	1,2,3,4,5,6
		X155	1,2,4,5
Hiser	Hiser Farm Seeds Rt. 1 Clarksburg, Ohio 43115	S74	4,5,6
		830	4,5
Hulting	Hulting Hybrids, Div. of Ferry Morse Seed Co. Box 24 Geneseo, Illinois 61254	X322	1,2,3
		X770	1,2,3,4,5,6
		X880	1,2,4,5
		X980	4,5,6
Kohler's	L. F. Kohler Sons 2840 East Calla Rd. Poland, Ohio 44514	12	7,8,9
		23	7,8,9
		32	7,8,9
		EX1	7,8
Landmark	Landmark, Inc. 245 N. High Street Columbus, Ohio 43216	C455X	7,8,9
		C611X	1,2,3,4,5,6,7,8,9
		C636X	7,8,9
		C676X	1,2,4,5,7,8
		C747X	1,2,3,4,5,6
		C757X	1,2,4,5,7,8
		C828X	1,2,3,4,5,6
Mark	Mark Hybrids 704 Miami Trace Rd. S.W. Washington C.H., Ohio 43160	M2182	1,2,3,4,5
		M2183	4,5
		M2185	1,2
McNair	McNair Seed Co. P.O. Box 706 Laurinburg, N.C. 28352	X170	4,5,6
		X194	4,5,6
		X300	4,5,6
		S338C	4,5
Migro	Migro Hybrids Box 7 Mitchell, Indiana 47446	M0101	1,2,3,7,8,9
		M0301	1,2,7,8
		M0501	1,2,3,7,8,9
		M0505	1,2,4,5,7,8
		M0601	4,5,6
		M1130	1,2,3,7,8,9
		M3416	4,5
		M6666	4,5,6
		M7072	4,5,6
Muncy Chief	Muncy Chief Hybrids Market & High Sts. Muncy, Pa. 17756	SX220	7,8,9
		SX662	1,2,3
		SX777	1,2,3,4,5,6
		SX808B	1,2,4,5
		SX878	1,2,3,4,5,6
		H270	7,8,9
		H764	1,2,3
Northrup, King	Northrup, King & Co. 1500 Jackson St. N.E. Minneapolis, Minn. 55413	PX32	1,2
		PX46	1,2,3,7,8,9
		PX48	1,2,3,7,8,9
		PX65	1,2,3,4,5,7,8,9
		PX74	4,5,6
		PX76	4,5,6
		PX79	4,5,6
		PX585	1,2,7,8
		PX606	7,8,9
		PX675	4,5,6

Table 12 (Cont'd)

Brand	Producer	Hybrid No.	Table No.
O's Gold	O's Gold Seed Co.	SX949	7,8
	P.O. Box 460	SX1100	1,2,3,7,8,9
	Parkersburg, Iowa 50665	SX1107	1,2
		SX5400	4,5
		SX5500A	4,5,6
O-Y-O	O-Y-O Seed Associates, Inc.	220	1,2,3,7,8,9
	P.O. Box 28	320	1,2,7,8
	Marysville, Ohio 43040	333	1,2,3
		433	4,5,6
		475	1,2,4,5
		480	4,5
P-A-G	P-A-G Seeds	SX98	4,5,6
	1200 North Star Center	SX177	7,8,9
	Minneapolis, Minn. 55402	SX210	7,8,9
		SX397	1,2,3
		SX424	1,2,3
		SX494	4,5,6
		220	7,8
		314	1,2,4,5
		340	4,5
		534	7,8
		7545	4,5,6
Pews	Chester C. Pew	P73	4,5
	Route 3	P77	4,5,6
	Coshocton, Ohio 43812		
Pfister	Pfister Hybrid Corn Co.	18	1,2
	27 W. Main St. P.O. Box 187	21	1,2
	El Paso, Illinois 61738	21A	1,2
		2S	1,2
		54	1,2
		57	4,5
		59	4,5
		67	4,5
		70	10
		7S	4,5
		79	4,5
		477	10
		1239	10
		1281	10
Pioneer	Pioneer Hi-Bred, Inc.	3184	4,5
	221 N. Main Street	3360	4,5
	Tipton, Indiana 46072	3364	4,5
		3369A	4,5,6,10
		3518	1,2,3,7,8,9
		3535	1,2,3,4,5,7,8,9
		3709	1,2,7,8
		3780	1,2,3,7,8,9
		3965	7,8
		L3369	10
Porter	Porter Hybrids, Inc.	MX68	4,5,6
	1232 Orchard Road	MX69	1,2,3,4,5,6
	Wilmington, Ohio 45177	MX69A	4,5,6
		MX7S	4,5,6
		MX76	4,5
Powell	Powell Seeds	426	1,2,3
	R.R. #1	526	1,2,3
	Ada, Ohio 45810	680	1,2,4,5,6
Prairie Stream	Prairie Stream Farms, Inc.	SX1D	1,2,3
	R.R. #3	SX1L	4,5,6
	Frankfort, Indiana 46041	SX5B	1,2,3,4,5,6
		SX6A	4,5,6
Premier	Premier Hybrids	622N	1,2,4,5
	R.R. #15, Box 225X	633	1,2,4,5,6
	Acton, Indiana 46259	655	4,5,6
		688	4,5,6
Rhoads	Rhoads Corn Hybrids	RX77	4,5
	R. #1		
	Brookville, Ohio 45309		
Riker	Riker Farm Seeds	RFS265	1,2,4,5
	10732 E. Poe Rd.	RFS281	1,2,3,4,5
	Bowling Green, Ohio 43402		

Brand	Producer	Hybrid No.	Table No.
Robinson	Robinson Hybrids, Inc.	R2821	7,8
	4796 Dildine Rd.	R3127	7,8
	Delaware, Ohio 43015	R3225	1,2,3,4,5,6
		R3825	1,2
		R3827	1,2
		R3927	4,5
		R4222	4,5,6
Ruff's	Ruff's Seed	R77	1,2,7,8,9
	RFD #1	R94A	10
	Amanda, Ohio 43102	R122	1,2,3,4,5,6,7,8,9
		R150	1,2,3,4,5,6,7,8,9
		R180	1,2,4,5
		R224	1,2,3,4,5,7,8
		R334	4,5,6
Rupp	Rupp Seed Farm	XR1650	1,2
	R. #3	XR1825	1,2
	Wauseon, Ohio		
Schlessman	Schlessman Seed Co.	SX300	7,8
	R.R. #1	SX403	1,2,3,7,8,9
	Milan, Ohio 44846	SX500	7,8,9
		SX520	1,2,3,4,5,6
		SX666	1,2,4,5,6
		SX740	4,5,6
Security	Security Seed Co.	SS102	1,2
	Box 630	SS105	1,2,3
	Williamsburg, Iowa 52361	SS106	1,2
		SS108	1,2,3
		SS112	4,5,6
		SS112A	4,5
		SS115	4,5,6
Seedkem	Seedkem, Inc.	SKX40	1,2,3
	810 E. Louisiana St.	SKX56	1,2
	Evansville, Indiana 47731	SKX66	1,2,3,4,5,6
		SKX76	1,2,4,5,6
		SKX86	4,5,6
Super Crost	Edw. J. Funk & Sons, Inc.	2350	1,2,7,8
	P.O. Box 67	2470	1,2,3,7,8,9
	Kentland, Indiana 47951	2890	1,2,3,7,8,9
		2890A	1,2,3,7,8,9
		4350	4,5
		S440	1,2,3,4,5,6,7,8,9
		6880	4,5
		S67	4,5,6
		S85	4,5,6
Todd	Todd Hybrid Corn Co.	M33	7,8
	Box 158	M38	7,8
	Burlington, Indiana 46915	M59	1,2,7,8
		M73	1,2
Trojan	Trojan Seed Co.	TXS105A	1,2,3,7,8,9
	Box 367	TXS108A	1,2,3,7,8,9
	Windfall, Indiana 46076	TXS113	4,5,6,7,8
		TXS114	4,5,6
		TXS115A	1,2,3,4,5,6,7,8,9
		TXS117A	4,5,6
		TX108	1,2,7,8
Voris	Voris Seeds, Inc.	V2372	7,8
	Box 457	V2392	7,8
	Windfall, Indiana 46076	V2402	7,8,9
		V2422	1,2
		V2442	1,2
		V2452	7,8,9
		V2532	1,2,3,4,5,6,7,8,9
		V2542	1,2,3,4,5,6
		V2562	1,2,3,4,5,6
		V2572	4,5
		V2592	4,5
Wilstar	Helena Chemical Company	5550	1,2
	P.O. Box 41238	5555	1,2
	2441 Production Drive	6660	1,2
	Indianapolis, Ind. 46241	6663	4,5
		7770	4,5
		7774	4,5
Walton	B. F. Walton & Sons	WX30B	1,2
	R.R. #4	WX40	1,2
	Upper Sandusky, Ohio	WX50	1,2
		WX150	1,2