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1980 Mississippi Hybrid Corn Performance Trials

James R. McCluskey, research technician
Gene E. Scott, research agronomist
both with
Crop Science and Engineering Research Laboratory
Delta States Area, AR, SEA, USDA

AR, SEA, USDA
in Cooperation with

MAFES MISSISSIPPI AGRICULTURAL & FORESTRY EXPERIMENT STATION
R. RODNEY FOIL, DIRECTOR MISSISSIPPI STATE, MS 39762

Mississippi State University
James D. McComas, President Louis N. Wise, Vice President

Authors

James R. McCluskey, research technician
and
Gene E. Scott, supervisory research agronomist
both with
Crop Science and Engineering Research Laboratory
The Delta States Area
AR, SEA, USDA

The following cooperated with the authors in conducting these tests:

B. L. Arnold, superintendent, North Mississippi Branch Station

H. D. Palmertree, superintendent, Pontotoc Ridge-Flatwoods Branch Station

Normie Buehring, agronomist, Northeast Mississippi Branch Station

Theodore C. Miller, agronomist, Delta Branch Station

Robert E. Coats, superintendent, Black Belt Branch Station

J. W. McMillan, agronomist, Coastal Plains Branch Station

Ned C. Edwards, agronomist, Brown Loam Branch Station

Carl Hovermale, agronomist, South Mississippi Branch Station

The test reported in Wilkinson County was on a private farm through the cooperation of T. O. Whitaker, RFD 4, Woodville, and John Dale, county agent.

1980 Mississippi Hybrid Corn Performance Trials

Trials are conducted annually in Mississippi to provide farmers, seedsmen, county agents and other interested persons with information on the performance of commercially available corn hybrids. Results of the trials are provided for use by corn producers in selecting hybrids suited to their area. New hybrids may be compared with familiar hybrids.

Corn hybrids respond differently to variations in environment, and a given hybrid is not always the best under all conditions. Therefore, it is suggested that corn producers grow two or more good hybrids each year. This practice also reduces the chances for spread of a disease or insect infestation through the total corn acreage.

The yield of harvestable, good-quality grain (or silage) determines the desirability of corn hybrids. However, attributes other than yield may be extremely important in some instances. For example, resistance to a particular disease should be the prime consideration in areas where the disease occurs. That is, hybrids selected should be from those known to have resistance to diseases found in a geographic area.

All producers and/or distributors of seed corn are eligible to enter hybrids in these tests. Hybrids can be entered for testing in Area I (northern Mississippi), Area II (southern Mississippi), or both. The producers designate the hybrids they want entered in each area. Hybrids must be submitted for entry to the Mississippi Agricultural and Forestry Experiment Station by Feb. 15. A nominal fee is charged for each hybrid tested in each area to help defray costs for the test.

Three or more tests were located in each area. Trials were conducted at 10 locations in 1980 (Table 1).

The best guide to the desirability of a hybrid is its performance over a period of years at a number of locations. Therefore, three-year summaries are reported for each area.

Table 1. Location, number of entries and dates of planting and harvest of hybrid corn performance trials in Mississippi, 1980.

County	Location	No. of entries	Planting date	Harvest date
Marshall	Holly Springs	49	April 23	-----
Pontotoc	Pontotoc	49	April 22	-----
Lee	Verona	49	April 24	Sept. 11
Noxubee	Brooksville	49	May 2	-----
Oktibbeha	Mississippi State	49	April 11	Sept. 16
Washington	Stoneville	49	April 7	Sept. 8
Newton	Newton	55	April 21	Sept. 4
Hinds	Raymond	55	May 12	-----
Wilkinson	Woodville	55	April 30	-----
Pearl River	Poplarville	55	April 16	Sept. 3

MATERIALS AND METHODS

Hybrids were tested in a randomized complete block experimental design with three replications at two population levels. Each plot consisted of two rows, 38 or 40 inches apart and 200 inches long. All tests were overplanted and later thinned to either 16,000 or 22,000 plants per acre, stand permitting. Fertilizer was applied by each cooperator as he thought necessary, and weeds were controlled by cultivation and herbicides.

All tests were harvested with a mechanical picker-sheller. Grain harvested from each plot was weighed, and moisture content was determined. All weights were converted to bushels per acre at 15.5% moisture.

Test Results-Area 1

Dry weather prevailed during the corn growing season in 1980. The tests at Holly Springs, Pontotoc and Brooksville were not harvested because of low yields and/or high variability within the test area. Also, data for the test at 16,000 plants per acre at Mississippi State were discarded because of high variability within the test.

Yields of the 49 hybrids grown at 16,000 plants per acre at two locations (Stoneville and Verona) ranged from 56 to 98 bu/acre and averaged 79 bu (Table 2). Average yield of the same hybrids grown at 22,000 plants per acre at three locations (Stoneville, Mississippi State and Verona) was 74 bu, with a range of 51 to 96 bu (Table 3). Yields at the two plant populations varied by location. Average yields at 16,000 and 22,000 plants per acre, respectively, were 85 and 102 bu/acre at Verona, 74 and 69 bu at Stoneville.

The only root lodging in the harvested tests was by two of the hybrids grown at 16,000 plants per acre. Stalk lodging at each plant population averaged 6%, with a range of 1 to 17% at 16,000 plants per acre and 1 to 15% at 22,000 plants per acre. Ear height averaged 3.9 ft in the tests at 16,000 plants per acre, 3.7 ft in the tests at 22,000 plants per acre. Time from planting to 50% silking in the test at 22,000 plants per acre at Mississippi State ranged from 73 to 85 days.

Moisture content of grain harvested at the three locations ranged from 12.8 to 17.4%. Stands at the three test locations ranged from 89 to 102%.

The three-year average yields of the 16 hybrids that have been tested for three years at 16,000 plants per acre ranged from 65 to 88 bu/acre (Table 4). The three-year average yields of the same hybrids at 22,000 plants per acre ranged from 67 to 82 bu/acre (Table 5).

Test Results-Area 2

Plantings were delayed by one month or more because of excessive soil moisture. Stands needed for conducting the tests were not obtained at Woodville or Raymond and these tests were abandoned. The Poplarville test received some irrigation.

Yields of the 55 hybrids grown at 16,000 plants at two locations (Newton and Poplarville) ranged from 39 to 65 bu/acre and averaged 51 bu (Table 6). Average yields of the same hybrids grown at 22,000 plants per acre at the same locations was 47 bu/acre and ranged from 30 to 66 bu (Table 7).

Root lodging in all harvested tests was very low. Stalk lodging at each plant population averaged 9%, with a range of 3 to 27% at 16,000 plants per acre and 1 to 24% at 22,000 plants per acre. Ear height averaged 3.1 ft in the tests at both plant populations.

The three-year average yields of the 19 hybrids that have been tested for three years at 16,000 plants per acre ranged from 58 to 76 bu/acre (Table 8). The three-year average yields of the same hybrids at 22,000 plants per acre ranged from 54 to 79 bu/acre (Table 9).

Table 2. Summary of performance of 49 hybrids grown at two locations (Stoneville and Verona) at 16,000 plants per acre in the 1980 Mississippi hybrid corn performance trials.

Hybrid	Brand	Yield	Lodging		Ear height	Moisture	Stand
			root	stalk			
no.		bu/A	%	%	cm.	%	%
JX247	Jacques	98.2	0	5	115	15.1	97
3147	Pioneer	94.9	0	11	124	15.0	99
T1230	Trojan	93.6	0	6	121	15.6	96
3160	Pioneer	90.9	0	2	120	14.7	95
G-4507A	Funk's	89.2	0	2	120	14.0	98
84aa	McCurdy	88.7	0	6	108	14.4	102
519	Pioneer	88.2	0	8	123	16.7	97
G-4606-1	Funk's	87.2	0	5	100	13.6	95
G-4747W	Funk's	86.9	0	10	123	17.0	100
8230	McCurdy	86.7	0	4	122	15.7	96
TXS115A	Trojan	86.0	0	4	116	13.3	97
G-4574	Funk's	85.7	0	3	121	13.1	98
22	Coker	85.2	0	4	122	15.1	96
X-300	McNair	84.9	0	13	113	15.0	100
XL72B	DeKalb	84.8	0	2	101	14.9	96
3369A	Pioneer	84.8	0	6	109	14.1	99
G-4709	Funk's	84.3	1	8	112	14.3	99
G-4689	Funk's	84.3	0	7	105	14.2	98
8150	McCurdy	83.9	0	3	130	15.4	96
USS1010	Agri-Chemicals	83.5	0	5	111	14.4	97
G-4787W	Funk's	82.3	0	3	134	16.2	100
3145	Pioneer	81.7	0	8	123	14.8	93
TXS114	Trojan	80.6	0	5	118	13.2	103
JX233	Jacques	80.3	0	4	111	13.8	98
SX200	Armstrong	80.3	0	9	119	13.7	96
G-4740	Funk's	79.5	0	7	104	15.8	98
3179	Pioneer	78.9	0	7	123	14.8	102
77	Coker	78.5	0	17	135	15.8	94
19	Coker	77.3	0	0	119	13.7	100
JX180	Jacques	77.0	0	4	120	13.5	100
XL390B	DeKalb	75.9	0	15	131	16.2	97
56	Coker	75.7	0	9	129	16.9	98
PX79	Northrup King	75.3	0	1	118	13.9	100
USS1515	Agri-Chemicals	75.2	0	5	98	14.3	98
XL71	DeKalb	75.0	0	3	116	13.4	101
USS0555A	Agri-Chemicals	74.3	0	3	108	13.4	95
PX707	Northrup King	73.0	0	7	122	14.8	92
PX87	Northrup King	72.6	0	8	120	15.2	98
19A	Coker	72.6	0	1	117	14.5	94
G-4848-1	Funk's	72.5	0	6	112	17.4	100
SX120W	Armstrong	69.7	1	11	124	16.7	93
XL82	DeKalb	69.2	0	3	125	14.8	97
PX95	Northrup King	69.1	0	16	129	14.7	94
PX83	Northrup King	66.8	0	7	118	15.3	95
PX723	Northrup King	66.5	0	8	126	15.4	101
JX227	Jacques	65.7	0	1	121	13.4	98
XL394	DeKalb	62.4	0	5	133	15.8	98
508	McNair	58.6	0	12	142	16.8	100
G-4776	Funk's	55.8	0	6	119	14.6	96
Mean		79.1	0	6	119	14.9	98

CV=20.31%

LSD (.05)=18.2 bu/A

Table 3. Summary of performance of 49 hybrids grown at three locations (Stoneville, Mississippi State, and Verona) at 22,000 plants per acre in the 1980 Mississippi hybrid corn performance trials.

Hybrid	Brand	Yield	Lodging root	Lodging stalk	Ear height	Days to mid silk*	Moisture	Stand
no.		bu/A	%	%	cm.	no.	%	%
3160	Pioneer	96.0	0	7	116	75	14.8	97
JX180	Jacques	87.3	0	3	107	73	12.8	96
USS1010	Agri-Chemicals	85.5	0	3	106	73	12.8	97
USS0555A	Agri-Chemicals	83.7	0	1	101	76	13.2	93
G-4507A	Funk's	83.5	0	2	111	75	13.0	93
3147	Pioneer	82.9	0	6	120	81	14.6	95
19	Coker	82.2	0	3	108	73	13.4	92
8150	McCurdy	81.3	0	5	121	76	13.9	98
JX247	Jacques	81.3	0	4	103	78	14.7	96
84aa	McCurdy	79.8	0	4	111	74	14.8	97
T1230	Trojan	78.8	0	4	106	77	14.3	96
PX79	Northrup King	78.0	0	3	115	75	13.0	99
G-4740	Funk's	77.6	0	4	101	78	14.0	94
19A	Coker	77.5	0	4	111	75	13.9	92
TXS115A	Trojan	77.3	0	2	104	74	13.2	100
XL72B	DeKalb	77.2	0	3	102	75	13.9	97
TXS114	Trojan	77.0	0	4	111	74	12.8	96
G-4574	Funk's	76.4	0	5	110	74	13.3	95
PX87	Northrup King	76.2	0	6	103	77	14.2	98
JX233	Jacques	76.0	0	5	101	73	13.7	94
USS1515	Agri-Chemicals	75.7	0	2	99	76	14.9	93
3369A	Pioneer	75.6	0	4	105	73	13.2	97
XL394	DeKalb	75.6	0	8	123	82	15.3	90
G-4606-1	Funk's	74.9	0	4	103	74	14.0	89
77	Coker	74.7	0	15	120	82	15.4	95
22	Coker	73.8	0	8	106	76	13.9	92
G-4747W	Funk's	73.6	0	7	117	82	15.4	98
G-4848-1	Funk's	73.2	0	5	111	82	16.0	96
XL71	DeKalb	73.0	0	3	108	74	14.1	97
G-4689	Funk's	72.9	0	8	99	73	13.9	99
JX227	Jacques	72.2	0	4	113	77	13.1	93
X-300	McNair	72.0	0	14	109	77	14.5	91
PX83	Northrup King	71.7	0	5	110	75	13.8	97
519	Pioneer	71.3	0	8	115	78	15.3	100
G-4709	Funk's	70.5	0	5	107	78	14.4	96
SX200	Armstrong	70.3	0	12	109	76	13.5	94
SX120W	Armstrong	69.8	0	11	117	81	15.6	92
8230	McCurdy	69.2	0	5	115	78	15.9	91
PX723	Northrup King	68.1	0	9	120	79	14.5	94
XL82	DeKalb	67.8	0	6	119	76	15.2	94
3179	Pioneer	67.6	0	10	119	79	14.7	91
56	Coker	67.4	0	10	121	82	15.9	93
3145	Pioneer	67.3	0	4	109	77	15.4	91
508	McNair	66.0	0	14	129	85	16.9	95
G-4787W	Funk's	61.9	0	6	125	83	14.8	97
XL390B	DeKalb	59.5	0	11	118	78	14.3	93
PX707	Northrup King	59.1	0	7	112	77	14.1	96
PX95	Northrup King	56.5	0	8	122	79	13.5	97
G-4776	Funk's	51.0	0	5	115	79	14.1	98
Mean		73.8	0	6	112	77	14.3	95

CV=17.85%
LSD (.05)=12.2 bu/A

*Data for Mississippi State only

Table 4. Three year (1978-80) average performance of 16 hybrids grown in Area I at 16,000 plants per acre in the Mississippi hybrid corn performance trials.

Hybrid	Brand	Yield	Lodging root	Lodging stalk	Ear height	Days to mid silk	Moisture	Stand
no.		bu/A	%	%	cm.	no.	%	%
3147	Pioneer	88.4	8	14	124	73	17.1	97
84aa	McCurdy	81.5	3	12	111	72	16.6	96
3145	Pioneer	81.1	5	8	146	74	17.2	96
PX95	Northrup King	79.0	11	17	132	77	17.2	97
22	Coker	78.9	6	9	117	73	16.7	96
3369A	Pioneer	78.7	6	10	130	73	16.1	96
3179	Pioneer	78.5	9	14	121	73	16.8	96
G-4574	Funk's	77.8	9	11	117	75	16.2	97
G-4709	Funk's	76.1	9	12	110	74	17.0	96
77	Coker	73.8	10	18	140	76	17.5	95
XL394	Dekalb	73.3	11	11	130	77	17.6	100
TXS114	Trojan	71.5	3	17	114	74	15.4	100
TXS115A	Trojan	69.8	9	14	113	72	16.4	95
56	Coker	68.2	3	16	124	76	17.8	99
PX723	Northrup King	67.1	8	11	125	75	16.8	103
G-4776	Funk's	65.4	7	8	124	76	16.8	98
MEAN		75.6	7	13	124	74	16.8	97

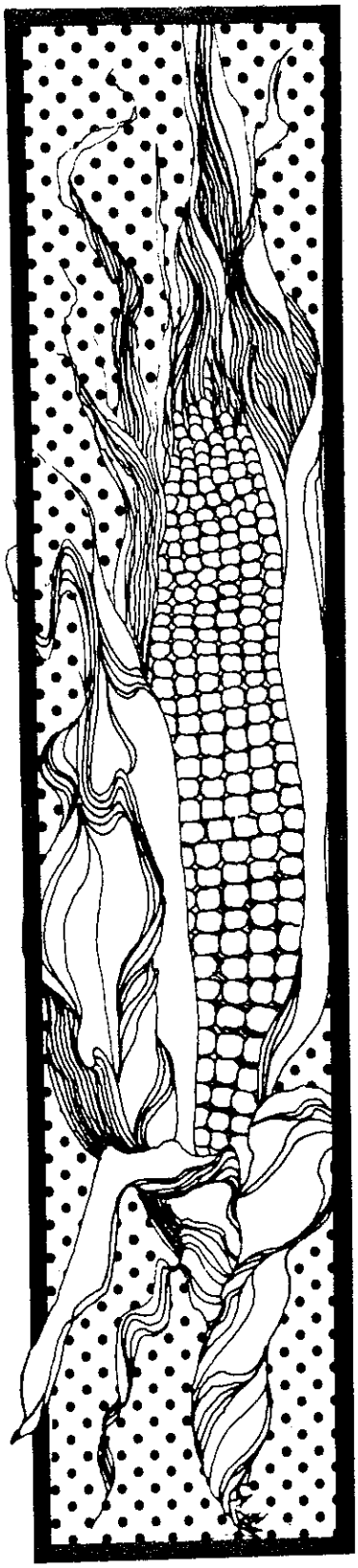
Table 5. Three year (1978-80) average performance of 16 hybrids grown in Area I at 22,000 plants per acre in the Mississippi hybrid corn performance trials.

Hybrid	Brand	Yield	Lodging root	Lodging stalk	Ear height	Days to mid silk	Moisture	Stand
no.		bu/A	%	%	cm.	no.	%	%
84aa	McCurdy	81.7	3	13	114	74	16.5	95
3147	Pioneer	81.0	8	15	122	77	16.2	93
3145	Pioneer	78.8	4	9	121	76	16.9	94
22	Coker	75.1	4	12	113	74	16.1	95
TXS115A	Trojan	75.0	10	13	112	73	15.5	95
XL394	Dekalb	74.7	14	11	134	78	17.2	93
3369A	Pioneer	74.3	7	18	111	75	15.3	92
3179	Pioneer	73.2	8	20	123	75	16.2	94
G-4709	Funk's	72.7	10	12	112	75	16.4	94
G-4574	Funk's	72.2	9	15	116	76	15.6	94
TXS114	Trojan	70.3	4	17	111	75	15.7	93
56	Coker	69.7	5	13	123	76	17.1	94
PX723	Northrup King	69.7	11	13	124	75	18.1	92
G-4776	Funk's	67.9	8	11	126	75	16.3	97
PX95	Northrup King	67.0	11	9	130	77	16.1	93
77	Coker	66.7	13	14	134	78	17.0	92
MEAN		73.1	8	13	120	76	16.4	94

Table 6. Summary of performance of 55 hybrids grown at two locations (Newton and Poplarville) at 16,000 plants per acre in the 1980 Mississippi hybrid corn performance trials.

Hybrid	Brand	Yield	Lodging		Ear	Mois-	Stand
			root	stalk	height	ture	
no.		bu/A	%	%	cm.	%	%
T1230	Trojan	64.5	1	13	100	16.9	96
3160	Pioneer	64.4	0	18	97	16.2	91
3030	Pioneer	63.7	2	6	105	19.3	97
67-14	McCurdy	63.0	1	6	91	18.5	99
UC8951	Paymaster	62.2	0	6	104	17.5	103
3147	Pioneer	61.6	0	7	90	16.2	95
8150	McCurdy	60.3	2	5	98	15.2	100
USS2315	Agri-Chemicals	60.1	1	5	98	15.0	92
UC9532	Paymaster	58.2	2	16	98	16.1	93
PX79	Northrup King	58.0	0	6	96	15.3	97
519	Pioneer	57.8	1	3	102	17.8	96
PX723	Northrup King	57.3	1	8	102	19.9	96
G-4848-1	Funk's	57.2	0	5	89	19.5	98
JX227	Jacques	56.3	1	3	99	15.7	97
G-4740	Funk's	55.8	0	6	85	17.3	97
XL395A	Dekalb	55.6	4	8	102	19.6	90
77	Coker	55.4	1	10	117	19.9	97
UC12052A	Paymaster	54.8	1	3	95	20.1	91
84aa	McCurdy	54.5	0	14	89	15.7	99
3320	Pioneer	53.8	1	3	82	15.6	95
USS2020	Agri-Chemicals	53.2	0	7	89	17.1	95
XL82	Dekalb	53.1	0	4	109	16.6	96
G-4949A	Funk's	52.7	4	13	107	18.3	95
3145	Pioneer	52.7	0	13	89	16.8	95
9410	McCurdy	52.5	1	4	91	18.9	90
JX180	Jacques	51.5	0	8	90	14.9	94
G-4776	Funk's	50.5	0	3	97	16.8	93
G-4709	Funk's	50.4	1	8	92	16.6	96
USS1515	Agri-Chemicals	50.3	0	7	75	15.6	93
56	Coker	50.2	4	13	102	17.4	85
3040	Pioneer	49.9	3	7	87	20.2	93
PX95	Northrup King	49.0	1	6	102	17.1	91
19A	Coker	48.8	1	3	89	16.4	99
X-300	McNair	48.8	0	6	83	17.3	95
G-4606-1	Funk's	48.4	0	17	84	15.9	96
PX707	Northrup King	48.3	0	5	99	15.9	92
SX120W	Armstrong	47.8	1	13	100	17.7	88
PX87	Northrup King	47.6	0	11	90	16.6	93
19	Coker	47.6	0	4	86	15.0	90
G-4864	Funk's	47.3	0	6	93	18.0	98
TXS115A	Trojan	47.2	0	4	88	15.5	100
XL394	Dekalb	47.1	2	11	97	18.1	95
TXS114	Trojan	47.1	0	18	83	15.0	94
JX247	Jacques	44.9	0	18	86	16.3	97
G-4689	Funk's	44.9	3	18	86	16.4	87
3369A	Pioneer	44.8	0	11	78	16.2	93
G-5945	Funk's	44.2	1	15	103	19.4	88
UC9902	Paymaster	43.8	0	11	95	15.8	89
G-4747W	Funk's	42.2	0	17	89	17.5	92
PX83	Northrup King	42.1	0	14	84	16.0	95
SX200	Armstrong	41.4	0	12	88	16.4	95
22	Coker	39.6	0	10	84	15.8	93
XL390B	Dekalb	39.6	1	27	104	17.6	81
508	McNair	39.5	1	8	116	20.2	96
XL71	Dekalb	39.2	0	16	81	15.2	96
Mean		51.3	1	9	94	17.1	94

CV = 23.18%
LSD(.05) = 13.46 bu/A



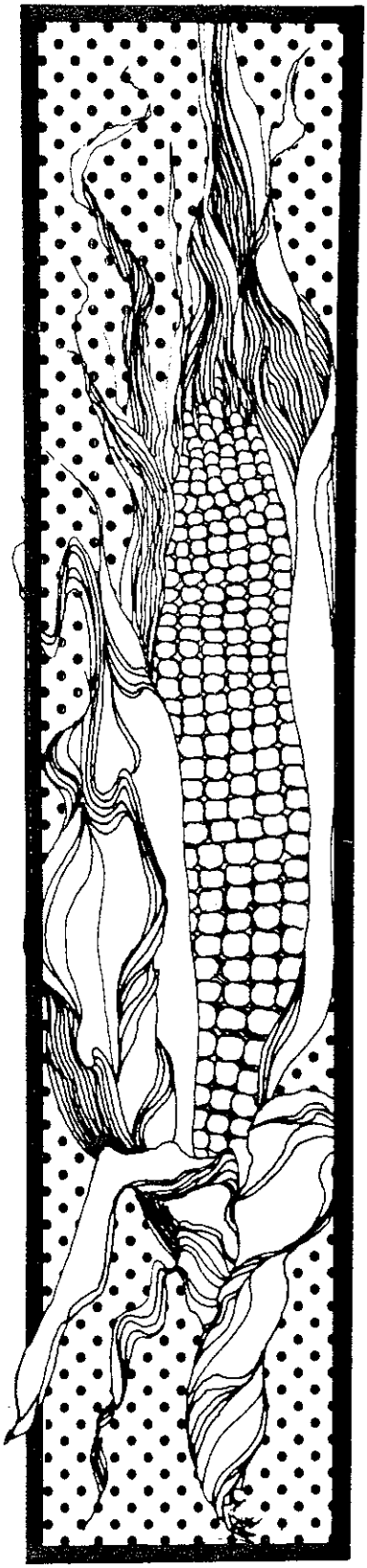


Table 7. Summary of performance of 55 hybrids grown at two locations (Newton and Poplarville) at 22,000 plants per acre in the 1980 Mississippi hybrid corn performance trials.

Hybrid	Brand	Yield	Lodging		Ear	Mois-	Stand
			root	stalk	height	ture	
no.		bu/A	%	%	cm.	%	%
3160	Pioneer	65.6	1	13	94	16.6	85
3320	Pioneer	61.1	0	4	80	16.8	90
3147	Pioneer	57.9	0	7	95	16.6	87
TXS114	Trojan	55.6	0	10	86	14.9	91
UC9532	Paymaster	55.6	0	7	97	16.6	89
XL395A	Dekalb	55.4	0	1	97	18.9	91
G-4740	Funk's	55.2	0	9	82	17.2	90
USS2315	Agri-Chemicals	53.1	0	10	100	17.3	90
19	Coker	53.1	0	7	87	15.6	91
USS1515	Agri-Chemicals	52.5	0	7	79	15.0	87
UC12052A	Paymaster	52.3	1	3	97	21.4	94
XL394	Dekalb	52.3	1	3	111	18.1	90
TXS115A	Trojan	51.9	0	7	88	15.6	93
USS2020	Agri-Chemicals	51.9	0	8	92	15.9	94
19A	Coker	51.9	1	11	94	15.1	89
PX723	Northrup King	51.8	0	8	106	17.5	87
3040	Pioneer	50.5	0	5	104	17.4	94
67-14	McCurdy	50.4	0	6	90	18.0	96
519	Pioneer	50.1	0	5	96	15.5	94
XL82	Dekalb	49.9	0	2	100	16.9	91
T1230	Trojan	49.9	0	11	87	16.0	87
3145	Pioneer	49.6	0	6	96	16.4	91
SX120W	Armstrong	49.2	0	4	97	17.8	91
8150	McCurdy	49.1	0	4	101	15.5	93
JX180	Jacques	49.0	1	6	91	15.6	86
UC8951	Paymaster	48.9	0	5	93	16.0	86
G-4689	Funk's	48.4	0	7	78	16.4	92
G-4606-1	Funk's	47.9	0	9	86	16.4	86
77	Coker	47.5	0	14	117	19.0	85
X-300	McNair	47.5	0	5	91	16.6	83
JX247	Jacques	47.2	0	8	95	16.5	93
22	Coker	47.1	0	13	89	17.1	89
3369A	Pioneer	46.1	0	9	85	15.4	91
84aa	McCurdy	45.9	0	21	91	15.9	89
G-4848-1	Funk's	45.9	2	2	95	20.0	100
PX79	Northrup King	45.9	1	3	92	15.2	92
G-4949A	Funk's	45.8	2	8	110	20.3	90
G-4709	Funk's	45.3	0	7	92	17.3	94
PX707	Northrup King	44.8	0	7	97	16.9	90
XL71	Dekalb	44.8	0	12	89	15.8	84
UC9902	Paymaster	44.5	0	15	91	16.1	86
9410	McCurdy	44.1	0	9	100	19.8	92
PX87	Northrup King	43.4	0	19	95	14.4	92
PX95	Northrup King	42.8	1	5	104	17.1	89
JX227	Jacques	42.3	1	2	95	16.1	92
508	McNair	42.2	0	19	115	20.9	88
3030	Pioneer	42.2	1	8	106	19.0	88
PX83	Northrup King	38.8	0	7	89	15.3	86
G-4776	Funk's	36.4	0	15	103	16.0	92
G-5945	Funk's	35.9	1	14	105	17.5	85
G-4864	Funk's	35.4	0	2	103	17.4	92
SX200	Armstrong	34.0	0	24	96	15.8	86
G-4747W	Funk's	33.7	0	9	97	16.6	89
XL390B	Dekalb	32.2	0	19	108	18.2	87
56	Coker	29.5	0	17	98	20.6	87
Mean		47.3	0	9	96	17.0	90

CV = 22.14%
LSD(.05) = 11.81 bu/A

Table 8. Three-year (1978-80) average performance of 19 hybrids grown in Area II at 16,000 plants per acre in the Mississippi hybrid corn performance trials.

Hybrid no.	Brand	Yield	Lodging root	Lodging stalk	Ear height	Moisture	Stand
		bu/A	%	%	cm	%	%
3147	Pioneer	76.4	5	9	103	16.5	96
67-14	McCurdy	74.0	16	10	99	19.1	96
3030	Pioneer	73.9	10	8	107	17.9	97
3145	Pioneer	68.2	3	10	100	17.2	94
77	Coker	67.1	7	8	125	18.8	96
G-4709	Funk's	66.8	7	8	101	17.3	96
3040	Pioneer	66.4	11	6	99	19.3	94
3369A	Pioneer	65.5	2	9	88	16.5	95
PX95	Northrup King	65.1	4	7	112	17.7	93
XL394	DeKalb	64.6	16	10	110	18.0	95
G-4949A	Funk's	64.4	13	11	117	18.3	95
PX79	Northrup King	63.0	4	6	100	16.0	95
22	Coker	62.6	2	11	97	16.4	93
PX723	Northrup King	62.1	6	12	104	17.7	93
G-4776	Funk's	60.3	6	8	106	17.2	93
TXS115A	Trojan	58.8	3	9	97	15.8	95
TXS114	Trojan	58.7	1	18	94	16.0	93
G-5945	Funk's	58.2	16	12	115	18.7	91
56	Coker	57.8	7	12	109	18.0	92
MEAN		64.9	7	10	104	17.5	94

Table 9. Three year (1978-80) average performance of 19 hybrids grown in Area II at 22,000 plants per acre in the Mississippi hybrid corn performance trials.

Hybrid no.	Brand	Yield	Lodging root	Lodging stalk	Ear height	Moisture	Stand
		bu/A	%	%	cm.	%	%
3147	Pioneer	78.7	10	7	106	17.4	90
3145	Pioneer	72.3	5	10	104	17.4	92
3040	Pioneer	72.1	17	7	110	18.3	94
XL394	DeKalb	71.9	18	9	114	18.5	91
TXS114	Trojan	70.0	6	17	94	15.9	92
22	Coker	70.0	7	16	101	17.6	92
67-14	McCurdy	70.0	22	19	98	18.7	91
TXS115A	Trojan	69.7	11	13	99	16.0	92
3369A	Pioneer	68.2	6	15	93	16.0	92
PX723	Northrup King	68.0	15	13	116	17.3	89
G-4709	Funk's	67.3	14	9	101	17.2	94
PX95	Northrup King	65.1	5	15	118	17.6	90
3030	Pioneer	65.1	17	9	118	19.4	90
77	Coker	63.3	16	14	130	19.2	90
G-4949A	Funk's	63.2	18	10	113	19.7	94
PX79	Northrup King	62.0	13	9	102	16.5	93
G-4776	Funk's	60.2	7	17	112	17.2	92
56	Coker	55.3	5	21	111	19.3	90
G-5945	Funk's	53.6	21	17	117	18.1	90
Mean		66.6	12	13	108	17.8	92

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