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Mississippi hybrid corn performance trials in 1978

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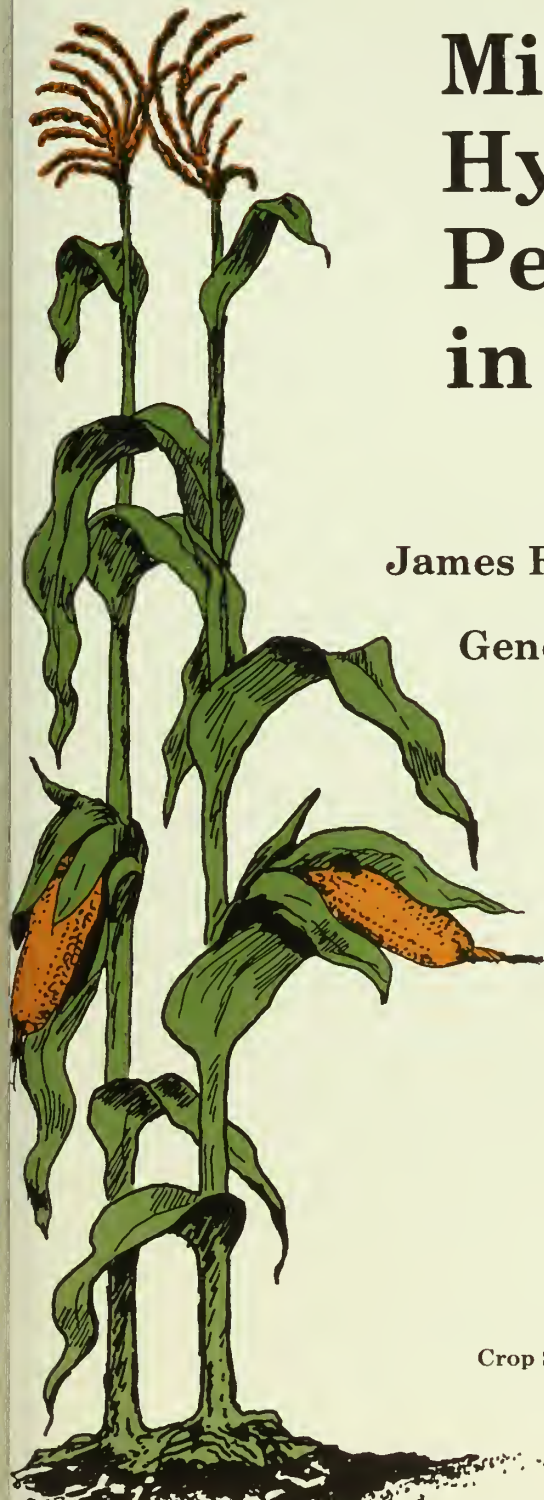
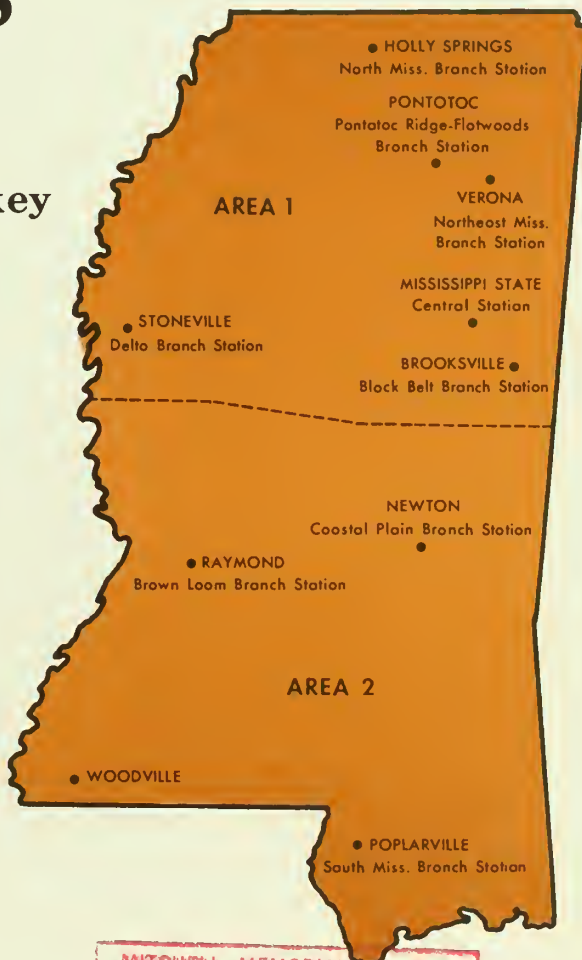
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Mississippi Hybrid Corn Performance Trials in 1978

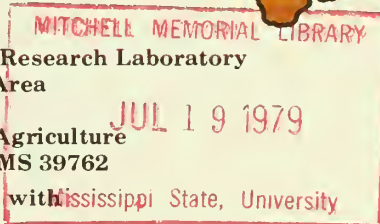
By
James R. McCluskey
and
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in cooperation with Mississippi State, University



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Bulletin 877

Mississippi Hybrid Corn Performance Trials in 1978

by

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Mississippi State, MS 39762

in cooperation with

**Mississippi Agricultural and Forestry Experiment Station
Mississippi State University**

January 1979

The following cooperated with the authors in conducting these test:

B. L. Arnold, Superintendent, North Mississippi Branch Station, Holly Springs

F. T. Withers, Jr., Superintendent, Pontotoc Ridge-Flatwoods Branch Experiment Station, Pontotoc

Normie Buehring, Agronomist, Northeast Mississippi Branch Station, Verona

Theodore C. Miller, Agronomist, Delta Branch Experiment Station, Stoneville

Robert E. Coats, Superintendent, Black Belt Branch Station, Brooksville

J. W. McMillan, Agronomist, Coastal Plain Branch Station, Newton

Ned C. Edwards, Agronomist, Brown Loam Branch Station, Raymond

Carl Hovermale, Agronomist, South Mississippi Branch Station, Poplarville

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.

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Mississippi Hybrid Corn Performance Trials in 1978

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 and with check hybrids (Dixie 55 and Miss. 6131), which are included in all tests. Seed of Dixie 55 may or may not be commercially available. Seed of Miss. 6131 are not commercially available.

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 dis-

tributors of seed corn are eligible to enter hybrids in these tests. 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 of the test.

Two or more tests were located in each area. Trials were conducted at 10 locations in 1978 (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, 1978.

County	Location	No. of entries	Planting date	Harvest date
Marshall	Holly Springs	49	April 24	Sept. 28
Pontotoc	Pontotoc	49	April 19	-----
Lee	Verona	49	April 25	Sept. 29
Noxubee	Brooksville	49	April 17	Oct. 2
Oktoberbeha	Mississippi State	49	March 30	Sept. 19-20
Washington	Stoneville	49	March 29	Sept. 5-6
Newton	Newton	57	March 27	-----
Hinds	Raymond	57	April 4	Sept. 12
Wilkinson	Woodville	57	March 28	Sept. 7
Pearl River	Poplarville	57	March 15	Aug. 8 & 10

Materials and Methods

Major changes in the testing program in 1978 were redesignation of test areas and addition of tests at higher plant populations. Areas I and II in earlier trials were combined to form the new Area I. The new Area II includes areas designated as III and IV in previous tests. Tests at populations of 16,000 plants per acre were continued, and tests at populations of 22,000 plants per acre were added at each location.

A randomized complete-block experimental design with three

replications at each population level was used at all locations. Each plot consisted of two rows, 40 inches apart and 200 inches long. All tests were overplanted and later thinned to either 16,000 or 22,000 plants per acre. Fertilizer was applied by each cooperater 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 con-

verted to bushels per acre at 15.5% moisture.

All hybrids included in three-year summaries for Area I (1978 designation) were grown in both Area I and Area II in 1976 and 1977, and those included in three-year summaries for Area II (1978 designation) were grown in Area III and Area IV in the two previous years. However, results reported for each area in 1976 and 1977 include only those hybrids entered for testing by producers and/or distributors.

The test at Pontotoc was not harvested because yields were near zero as the result of extreme drought. Results of the tests at Holly Springs and Mississippi State were discarded. Yields at Holly Springs were quite low and highly variable, because heavy rain shortly after planting reduced stands, and dry weather late in the year limited plant development. Yields at Mississippi State were quite good but highly variable, possibly because irrigation was not uniform. Results of the Brooksville test with populations of 16,000 plants per acre were discarded because of extreme yield variability.

The trials at Stoneville suffered severe damage from a hail storm early in the season. A heavy natural incidence of maize dwarf mosaic at Brooksville reduced yield of susceptible hybrids.

Average yields of the 49 hybrids tested at populations of 16,000 plants per acre at Stoneville and Verona ranged from 65 to 113 bushels per acre (Table 2). Stalk lodging ranged from 9 to 87% at

Stoneville, from 0 to only 15% at Verona, and stalk lodging of five of the hybrids grown at the two locations averaged less than 10%. Root lodging was serious for only a few hybrids.

Average yields of the 49 hybrids tested at populations of 22,000 plants per acre at Brooksville, Stoneville and Verona ranged from 74 to 110 bushels per acre (Table 3). Stalk lodging averaged over the three locations ranged from 3 to 31%.

Yields of hybrids tested at populations of 22,000 plants per acre at Stoneville and Verona averaged 12 bushels more than when tested at the lower plant population level. No practical differences in other performance characteristics were observed.

Average yields of the 19 hybrids that have been tested at populations of 16,000 plants per acre in Area I for the past three years ranged from 81 to 114 bushels per acre (Table 4). The percentage range for stalk lodging was from 6 to 33.

Test Results Area 1

Table 2. Summary of performance of 49 hybrids grown at two locations (Stoneville and Verona) at 16,000 plants per acre in the 1978 Mississippi hybrid corn performance trials.

Hybrid no.	Brand	Yield bu/A	Lodging		Ear height cm.	Days to mid silk*	Mois- ture %	Stand %
			root %	stalk %				
X5505	Pioneer	113.0	5	23	153	78	16.5	108
PX95	Northrup King	109.8	0	12	150	74	15.1	100
RX114	Asgrow	108.5	11	15	129	75	15.5	100
3147	Pioneer	106.7	2	16	140	75	16.0	98
RX140A	Asgrow	104.9	13	9	132	76	16.3	100
RA2601	Ring Around	104.5	0	15	129	75	17.4	102
72-44A	McCurdy	102.8	0	8	136	75	15.9	98
9997	Wilstar	101.5	1	13	129	74	17.2	100
55	Dixie	101.4	5	41	161	78	17.4	80
PX715	Northrup King	101.0	0	15	138	73	16.0	101
XL394	DeKalb	97.9	4	15	140	77	16.8	104
G-4880W	Funk's	95.8	4	19	136	78	16.4	107
G-795W	Funk's	95.7	3	20	138	76	16.8	100
22	Coker	94.6	2	12	131	75	15.2	99
488	McNair	93.8	2	20	153	82	18.7	103
3179	Pioneer	93.0	3	23	132	76	16.0	92
XL78	DeKalb	91.2	0	12	120	74	16.0	96
G-4574	Funk's	91.0	0	18	127	74	16.5	98
MSX84aa	McCurdy	90.2	0	15	124	74	16.3	97
6131	Miss	89.4	7	51	156	78	16.6	98
3369A	Pioneer	88.9	0	16	121	74	15.5	94
9990	Wilstar	88.9	2	17	123	74	16.2	95
18A	Coker	88.5	0	15	132	74	15.5	99
3145	Pioneer	87.8	0	8	137	74	16.4	96
S-338	McNair	87.7	3	18	131	76	16.4	96
X-170	McNair	87.5	1	5	111	74	16.1	100
XL72b	DeKalb	86.7	1	11	118	74	15.2	92
77	Coker	86.5	4	25	162	78	16.0	98
751	P.A-G	86.5	1	33	152	79	16.5	103
G-4611	Funk's	86.3	0	15	124	74	15.1	92
PX723	Northrup King	84.3	1	14	140	74	15.4	105
511A	Pioneer	83.4	3	25	143	75	15.4	99
TXS114	Trojan	82.9	2	25	131	74	15.0	102
G-4709	Funk's	82.5	1	18	120	75	16.1	95
3368A	Pioneer	81.3	0	16	111	74	16.2	90
RA2655	Ring Around	80.4	0	18	126	74	16.3	94
RA2602W	Ring Around	80.1	4	22	135	75	16.7	93
G-4776	Funk's	79.9	0	11	143	75	15.7	101
3009	Pioneer	79.6	1	26	136	74	17.4	96
G-4606	Funk's	77.4	0	12	120	74	15.6	100
RA1502	Ring Around	77.3	0	31	116	73	16.3	96
G-4507	Funk's	76.2	0	23	127	74	15.6	99
G-4810	Funk's	74.7	1	6	129	74	16.6	92
TXS115A	Trojan	73.3	4	24	123	74	17.0	95
RA2502	Ring Around	71.8	0	18	108	73	16.7	98
6663	Wilstar	71.1	3	21	123	74	16.1	95
56	Coker	69.9	1	20	132	75	16.5	102
TX119A	Trojan	65.2	0	17	124	73	15.4	101
RA1501	Ring Around	64.9	5	23	128	74	15.1	98
MEAN		88.1	2	18	132	75	16.2	98

CV = 17.83%

LSD (.05) = 25.7 bu/A

*Data for Stoneville only

Table 3. Summary of performance of 49 hybrids grown at three locations (Brooksville, Stoneville, Verona) at 22,000 plants per acre in the 1978 Mississippi hybrid corn performance trials.

Hybrid no.	Brand	Yield bu/A	Lodging		Ear height cm.	Days to mid silk*	Mois- ture %	Stand %
			root %	stalk %				
X5505	Pioneer	110.3	10	15	150	76	16.2	100
9997	Wilstar	105.2	6	13	126	75	16.6	94
MSX84aa	McCurdy	102.3	1	16	127	75	15.7	93
XL78	DeKalb	102.3	3	9	116	77	15.7	95
72-44A	McCurdy	101.8	1	10	138	76	14.9	97
RX140A	Asgrow	96.2	16	11	130	77	16.9	99
XL72b	DeKalb	96.2	3	7	114	76	14.9	100
G-4507	Funk's	95.2	9	16	121	78	15.8	100
3145	Pioneer	94.6	1	7	137	79	16.0	98
3147	Pioneer	94.6	1	11	133	75	15.3	93
511A	Pioneer	93.8	5	18	138	76	15.3	100
3179	Pioneer	93.5	6	25	136	77	15.3	96
RA2601	Ring Around	93.2	9	13	127	76	16.5	94
G-4776	Funk's	92.4	1	11	141	76	16.0	98
G-4810	Funk's	91.5	4	8	134	78	16.5	97
G-4606	Funk's	90.8	1	10	122	75	15.2	93
TXS115A	Trojan	90.1	8	13	124	76	14.9	91
3368A	Pioneer	89.9	1	12	125	77	15.5	96
22	Coker	89.0	1	16	125	77	15.1	97
RA1502	Ring Around	88.5	1	16	121	76	15.9	91
RX114	Asgrow	88.1	14	16	124	76	15.7	99
G-4709	Funk's	87.9	6	13	123	76	15.8	94
XL394	DeKalb	87.6	16	13	152	76	16.1	96
6663	Wilstar	87.3	7	21	126	75	15.3	93
PX715	Northrup King	87.0	1	9	140	77	15.2	92
G-4880W	Funk's	87.0	2	12	136	77	15.9	95
G-4574	Funk's	86.8	2	19	130	77	15.0	97
PX723	Northrup King	86.8	7	19	137	76	15.7	91
RA1501	Ring Around	86.7	8	15	129	76	15.0	92
56	Coker	86.5	1	11	137	77	16.3	98
3369A	Pioneer	86.2	1	30	124	75	15.3	90
S-338	McNair	85.8	5	19	129	76	16.8	95
RA2602W	Ring Around	85.5	10	14	139	76	16.4	89
G-4611	Funk's	85.1	6	16	128	77	16.0	95
TXS114	Trojan	84.9	0	15	119	77	15.7	91
PX95	Northrup King	84.8	6	7	147	77	15.8	90
9990	Wilstar	84.8	5	14	114	77	15.3	93
TX119A	Trojan	83.8	1	13	118	77	15.1	98
18A	Coker	83.0	2	11	124	76	16.1	90
X-170	McNair	81.8	3	3	110	77	15.9	95
3009	Pioneer	81.4	16	18	120	77	16.9	94
RA2502	Ring Around	80.1	1	20	108	77	16.2	94
55	Dixie	80.0	5	22	152	77	15.9	93
G-795W	Funk's	78.8	7	22	135	76	16.3	94
RA2655	Ring Around	78.2	2	16	121	77	15.1	94
77	Coker	75.9	9	13	157	77	16.1	95
6131	Miss	75.9	8	31	155	77	15.9	97
488	McNair	74.9	5	12	139	79	16.9	97
751	P.A-G	74.2	10	16	145	77	16.1	100
MEAN		88.3	5	15	131	77	15.8	95

CV = 16.64%

LSD (.05) = 24.0 bu/A

*Data for Stoneville only

Table 4. Three-year (1976-78) average performance of 19 hybrids grown in Area I at 16,000 plants per acre in the Mississippi hybrid corn performance trials.

Hybrid no.	Brand	Yield bu/A	Lodging		Ear height cm.	Days to mid silk no.	Moisture %	Stand %
			root %	stalk %				
3147	Pioneer	113.5	1	10	136	80	17.5	94
XL394	DeKalb	112.8	2	8	143	78	18.2	99
77	Coker	110.4	2	12	153	80	17.5	95
9997	Wilstar	110.3	1	9	125	76	18.7	95
3145	Pioneer	108.0	0	6	134	75	17.9	93
72-44A	McCurdy	106.2	0	8	129	75	17.1	98
6131	Miss	105.4	3	33	157	80	16.9	97
G-795W	Funk's	103.6	3	18	133	77	17.6	94
G-4880W	Funk's	103.1	2	10	136	81	18.1	99
G-4776	Funk's	100.3	0	9	140	76	17.7	96
55	Dixie	99.6	4	26	159	80	18.1	89
3009	Pioneer	97.4	2	16	138	77	19.4	95
56	Coker	96.2	1	10	132	79	18.0	95
511A	Pioneer	95.5	3	16	138	78	17.0	95
XL72b	DeKalb	94.8	1	8	110	74	16.8	95
9990	Wilstar	94.6	1	12	117	76	17.5	93
G-4611	Funk's	92.7	0	9	122	74	15.9	91
G-4810	Funk's	91.3	1	6	128	75	17.8	96
6663	Wilstar	80.8	2	10	121	74	16.3	93
MEAN		100.9	2	12	134	77	17.6	95

Test Results Area 2

The test at Newton was discarded before harvest because of circumstances beyond the control of the cooperator. Results of one replication of the Poplarville test with populations of 16,000 plants per acre were discarded. Two windstorms caused severe stalk lodging in the Raymond test.

Average yield per acre, root lodging and stalk lodging of the 57 hybrids tested at populations of 16,000 plants per acre were, respectively, 78 bushels and 1 and 7% at Poplarville; 64 bushels and 20 and 17% at Raymond and 65 bushels and 1 and 10% at Woodville. Yields, root lodging and stalk lodging averaged, respectively, from 45 to 83 bushels per acre, 0 to 19% and 1 to 25% (Table 5). Harvesting techniques used in plots where lodging was severe generally were more precise than would be feasible on a

commercial scale; therefore, yields obtained from these plots likely were higher than they would have been with a normal harvesting operation.

Average yields of these 57 hybrids tested at populations of 22,000 plants per acre at the same locations ranged from 60 to 102 bushels per acre (Table 6). Average yields, root lodging and stalk lodging, respectively, were 13 bushels per acre, 3% and 7% higher at this plant population than at 16,000 plants per acre.

Average yields of the 23 hybrids that have been tested at populations of 16,000 plants per acre in Area II for the past three years ranged from 68 to 83 bushels per acre (Table 7). The percentage range for stalk lodging was from 4 to 25.

Table 5. Summary of performance of 57 hybrids grown at three locations (Poplarville, Raymond and Woodville) at 16,000 plants per acre in the 1978 Mississippi hybrid corn performance trials.

Hybrid no.	Brand	Yield bu/A	Lodging		Ear height cm.	Mois- ture %	Stand %
			root %	stalk %			
76-25	McCurdy	82.8	1	10	134	16.9	96
UC12052	Paymaster	82.3	7	1	110	19.3	89
3147	Pioneer	81.0	1	9	105	15.4	96
3030	Pioneer	80.7	9	6	113	17.0	94
RA3602	Ring Around	79.7	7	15	118	16.0	93
MSX86A	McCurdy	79.5	2	13	103	16.1	93
XL80	DeKalb	79.2	14	7	97	16.2	92
G-4864	Funk's	78.3	6	7	114	17.0	93
X5505	Pioneer	77.3	11	6	128	16.6	93
67-14	McCurdy	77.0	12	9	103	18.9	92
RA2601	Ring Around	76.0	10	12	107	17.9	90
XL394	DeKalb	75.6	15	9	130	17.3	94
75-200	McCurdy	75.3	17	12	122	18.4	93
55	Dixie	75.1	12	25	134	17.1	89
S-338	McNair	74.7	19	18	113	16.7	92
PX65	Northrup King	74.1	13	16	107	15.2	89
3368A	Pioneer	72.8	2	10	100	16.3	89
G-4709	Funk's	72.6	8	5	110	17.2	94
G-4880W	Funk's	72.2	6	7	115	17.1	95
G-795W	Funk's	72.0	19	19	112	17.2	93
G-4949A	Funk's	71.7	13	2	123	17.1	94
22	Coker	71.4	1	11	109	15.5	90
511A	Pioneer	71.4	11	16	117	17.0	94
G-4574	Funk's	71.3	7	18	104	16.3	91
77	Coker	71.2	3	5	130	17.3	90
3040	Pioneer	71.0	12	3	106	17.5	91
9997	Wilstar	70.7	10	9	106	17.8	94
RA1502	Ring Around	70.3	0	5	100	16.8	95
RX140A	Asgrow	70.0	18	6	112	17.7	91
G-4507	Funk's	69.8	1	19	108	15.5	91
3145	Pioneer	69.6	3	11	108	16.9	89
3369A	Pioneer	69.1	1	9	93	15.4	92
PX715	Northrup King	69.1	0	8	112	16.6	89
751	P-A-G	67.8	8	24	138	17.8	92
PX723	Northrup King	67.8	5	17	110	16.6	90
PX79	Northrup King	66.3	4	8	107	16.0	89
3009	Pioneer	66.0	13	11	114	17.4	91
G-4606	Funk's	65.7	3	16	103	16.3	91
18A	Coker	65.2	2	12	110	16.0	91
54	Coker	64.6	11	13	113	17.7	94
G-4611	Funk's	63.3	6	12	103	15.9	87
RA2502	Ring Around	63.1	0	9	90	15.8	91
PX675	Northrup King	62.9	4	17	105	16.5	88
PX95	Northrup King	62.8	1	10	119	17.0	92
G-4810	Funk's	62.7	9	9	107	15.8	91
X4537	Pioneer	62.5	3	4	93	17.9	93
56	Coker	62.1	5	12	119	17.5	93
G-5945	Funk's	61.4	18	10	128	16.9	89
TXS114	Trojan	60.6	1	24	103	16.4	87
XL78	DeKalb	60.2	2	22	96	15.7	91
G-4776	Funk's	59.2	2	8	119	16.4	87
TXS115A	Trojan	56.8	3	17	101	15.2	87
6131	Miss	56.7	9	25	125	16.2	89
488	McNair	56.4	10	5	125	19.2	96
XL395	DeKalb	55.2	6	15	131	17.4	87
TX119A	Trojan	54.4	1	9	99	14.9	92
X-170	McNair	47.9	9	13	94	15.3	87
MEAN		68.9	7	12	112	16.8	91

CV = 18.42%

LSD (.05) = 25.4 bu/A

Table 6. Summary of performance of 57 hybrids grown at three locations (Poplarville, Raymond and Woodville) at 22,000 plants per acre in the 1978 Mississippi hybrid corn performance trials.

Hybrid no.	Brand	Yield bu/A	Lodging		Ear height cm.	Moisture %	Stand %
			root %	stalk %			
MSX86A	McCurdy	102.3	2	15	118	16.4	92
X4537	Pioneer	96.5	9	2	101	18.1	92
22	Coker	96.4	9	19	116	17.0	90
3147	Pioneer	95.4	14	8	119	17.3	87
G-4606	Funk's	94.2	4	25	113	17.3	93
UC12052	Paymaster	93.5	15	3	119	19.2	85
X5505	Pioneer	92.8	9	14	132	17.3	93
XL394	DeKalb	91.2	17	15	128	19.0	88
G-4574	Funk's	91.1	7	27	118	16.6	86
3030	Pioneer	90.2	14	10	131	19.3	89
3368A	Pioneer	90.0	4	14	103	16.5	86
3369A	Pioneer	88.6	8	23	105	16.2	89
18A	Coker	88.3	5	9	108	16.8	90
67-14	McCurdy	87.4	10	31	108	18.0	82
G-4864	Funk's	87.0	10	11	128	17.1	89
RA2601	Ring Around	86.7	16	29	117	18.8	89
3040	Pioneer	86.4	17	7	122	18.9	88
G-4507	Funk's	86.4	10	24	115	16.5	86
3145	Pioneer	86.1	3	13	119	17.0	88
TXS114	Trojan	85.2	5	17	108	16.4	86
RA1502	Ring Around	84.5	4	12	108	16.5	90
PX723	Northrup King	84.2	7	22	134	16.6	84
RA2502	Ring Around	83.7	0	21	99	17.0	89
RA3602	Ring Around	83.6	2	31	118	17.2	84
3009	Pioneer	83.5	7	27	125	17.9	88
77	Coker	83.4	8	17	147	18.0	90
G-4776	Funk's	82.0	3	20	128	17.6	89
G-4810	Funk's	82.0	11	12	114	16.9	87
G-795W	Funk's	81.7	8	23	122	17.3	88
9997	Wilstar	80.9	17	15	113	18.0	88
XL80	DeKalb	80.8	22	8	99	16.5	89
75-200	McCurdy	80.5	11	23	128	18.0	86
TXS115A	Trojan	80.5	7	20	111	15.9	84
RX140A	Asgrow	79.4	27	8	124	17.8	88
XL78	DeKalb	79.2	3	27	103	16.6	89
G-4709	Funk's	79.1	17	12	113	16.9	90
PX95	Northrup King	78.9	2	27	132	16.9	87
XL395	DeKalb	78.9	19	8	139	18.1	86
PX675	Northrup King	78.8	17	18	111	16.9	88
54	Coker	78.3	9	30	119	18.5	90
76-25	McCurdy	77.7	4	21	141	18.8	94
55	Dixie	77.4	8	41	137	17.5	88
511A	Pioneer	77.0	8	27	126	17.1	93
PX715	Northrup King	76.4	1	23	120	16.7	91
G-4949A	Funk's	75.3	17	9	124	18.3	92
PX79	Northrup King	75.2	13	17	118	16.5	89
X-170	McNair	74.9	12	20	95	15.4	87
G-4611	Funk's	74.4	11	19	114	17.0	87
PX65	Northrup King	72.4	8	25	113	15.7	91
S-338	McNair	71.9	7	41	118	17.9	83
G-4880W	Funk's	69.2	11	12	122	18.5	91
56	Coker	68.7	1	27	126	18.4	88
488	McNair	64.5	12	12	131	19.3	88
TX119A	Trojan	64.0	4	20	103	16.3	87
751	P-A-G	63.9	9	25	141	17.3	83
G-5945	Funk's	60.8	20	24	135	17.2	88
6131	Miss	59.9	8	44	143	17.6	86
MEAN		81.5	10	19	120	17.4	88

CV = 18.93%

LSD (.05) = 25.2 bu/A

Table 7. Three-year (1976-78) average performance of 23 hybrids grown in Area II at 16,000 plants per acre in the Mississippi hybrid corn performance trials.

Hybrid no.	Brand	Yield bu/A	Lodging		Ear height cm.	Mois- ture %	Star %
			root %	stalk %			
77	Coker	82.9	1	5	128	18.6	96
3147	Pioneer	81.6	1	11	106	18.1	97
3030	Pioneer	79.1	3	8	110	19.7	96
G-4949A	Funk's	78.5	4	4	120	18.6	96
3145	Pioneer	78.3	1	9	104	18.5	94
XL394	DeKalb	77.7	6	6	123	18.7	96
55	Dixie	77.0	5	22	131	19.1	94
XL395	DeKalb	76.5	2	8	124	19.5	94
3009	Pioneer	75.8	5	10	111	19.8	95
G-5945	Funk's	75.6	6	7	124	18.8	94
G-4864	Funk's	75.4	2	7	107	17.8	95
3368A	Pioneer	74.2	1	8	95	17.4	94
511A	Pioneer	73.5	4	12	109	18.5	96
RA2601	Ring Around	73.3	3	8	103	19.7	90
3369A	Pioneer	72.9	0	11	89	16.9	95
G-4810	Funk's	72.7	3	9	104	18.4	96
G-795W	Funk's	72.6	7	20	109	18.5	95
G-4776	Funk's	72.5	1	9	115	17.7	94
9997	Wilstar	72.1	4	10	105	20.2	96
G-4880W	Funk's	71.7	2	6	108	18.3	97
56	Coker	69.7	2	13	117	18.6	96
54	Coker	69.2	4	10	111	19.1	94
6131	Miss	68.1	4	25	124	18.5	93
MEAN		74.8	3	10	112	18.7	95