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Mississippi Corn Hybrid Trials, 1987

Joe E. Askew

Ervin Baugh

Herbie Bloodworth

Ned Edwards

Charles Fisher

See next page for additional authors

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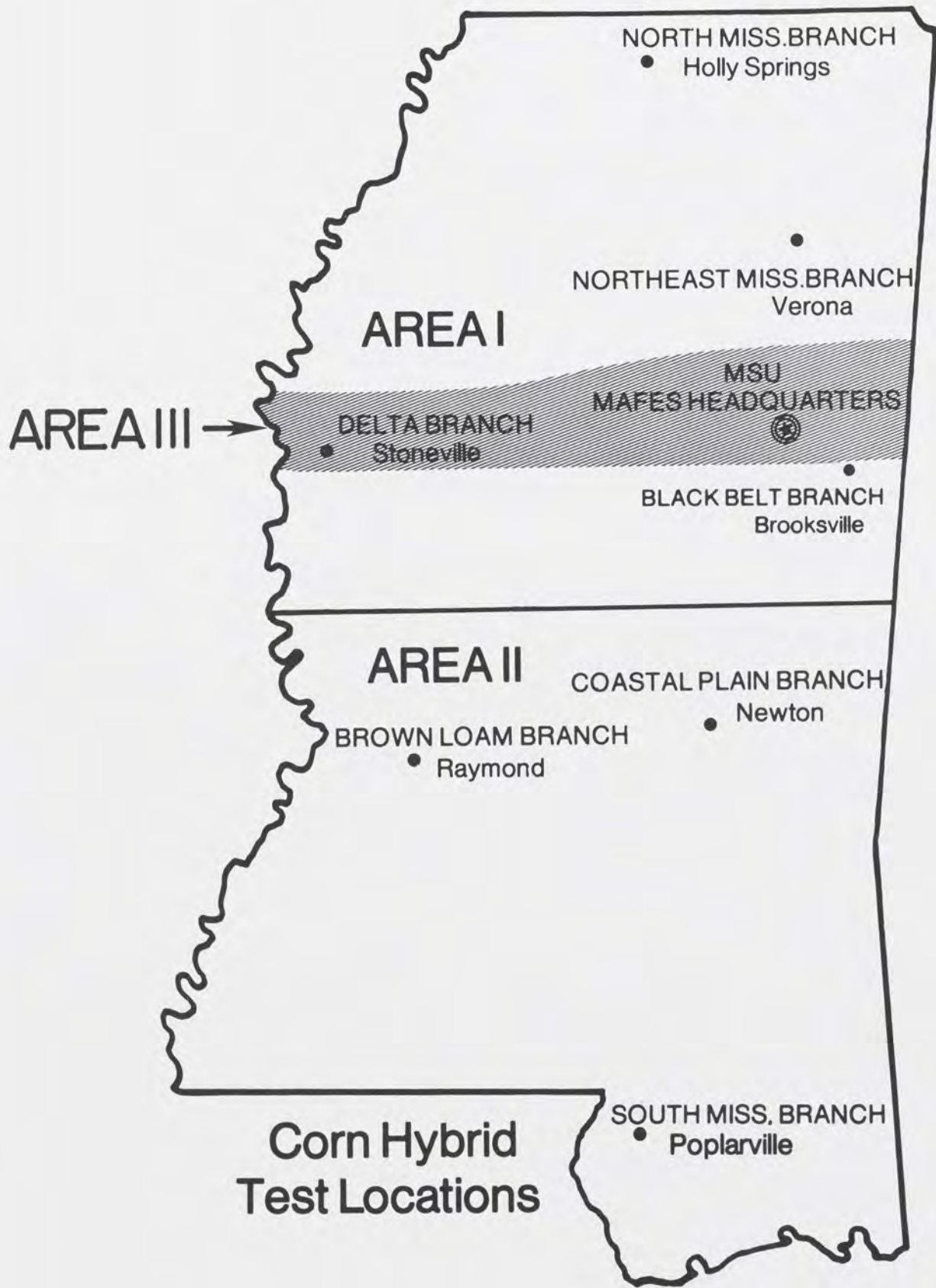
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Authors

Joe E. Askew, Ervin Baugh, Herbie Bloodworth, Ned Edwards, Charles Fisher, Billy Johnson, Carl Hovermale, Dennis Reginelli, Tommy Sanders, and Gene Stevens



Mississippi Corn Hybrid Trials, 1987

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Trials were conducted in three geographical areas in Mississippi; Area 1 was located north of Interstate 20, with three locations, Area 2 was located south of Interstate 20 with three locations, and Area 3 was located in north central Mississippi with two locations, both irrigated (see map inside front cover). All locations were on experiment station land. Commercial seed companies were given the opportunity to enter one or more hybrids in Area 1 or Area 2. All hybrids were planted in Area 3.

Data are presented by individual locations and summarized within an area. Generally, the best potential of a hybrids performance within a location is determined from its combined performance over a 3-year period.

Procedure

Plots consisted of two rows 38 inches apart and 16.75 feet long. Plots were overplanted and thinned after emergence to desired plant population levels. Weeds were controlled by cultivation and/or herbicides. Experimental design was a randomized complete block with three replications.

Source of seed...Seed of all entries were supplied by participating companies.

Planting rate...All seed were packaged for planting at a higher than desired plant population and planted with a cone planter. After emergence plots were thinned to 18,000 and 24,000 plants per acre in Areas 1 or 2 and 30,000 plants/acre in Area 3.

¹Manager, Variety Evaluations; Agricultural Technician, Delta Branch; Research Scientist I, Black Belt Branch; Agronomist, Brown Loam Branch; Assistant Superintendent, Delta Branch; Farm Foreman, Coastal Plain Branch; Assistant Agronomist, South Mississippi Branch; Research Assistant II, Northeast Mississippi Branch; Associate Agronomist, Coastal Plain Branch; and Research Assistant II, North Mississippi Branch

Fertility... Phosphorus, potassium, and lime were applied according to soil test recommendations. Nitrogen was applied in areas 1 and 2 at 180 pounds per acre, and plots in area 3 received 300 pounds of N per acre.

Yield...A plot combine was used to harvest the total area of each plot. Harvested grain was weighed, samples for moisture determination were taken in the field, and grain yields were converted to bushels per acre at 15.5% moisture.

Root lodging...The percent of plants that were leaning more than 30 degrees from vertical.

Stalk lodging...The percent of plants that were broken below the upper ear-bearing node.

Ear height...The distance from the ground to the highest ear-bearing node.

Stand...The stand at harvest is given as a percent of the perfect stand for that plant population level.

Location, Number of Entries, Dates of Planting and Dates of Harvest, Mississippi Corn Hybrid Trials, 1987.

Area	Location	No. of Entries	Planting Date	Harvest Date
1	North Mississippi Branch (Holly Springs, MS)	57	April 7	August 28
	Northeast Mississippi Branch (Verona, MS)	57	April 2	August 25
	Black Belt Branch (Brooksville, MS)	57	April 10	August 26
2	Brown Loam Branch (Raymond, MS)	56	April 8	September 4
	Coastal Plains Branch (Newton, MS)	56	March 16	August 10
	South Mississippi Branch (McNeill)	56	March 13	August 20
3	Mississippi State University (Starkville, MS)	66	March 23	August 18
	Delta Branch (Stoneville, MS)	66	March 27	August 25

TABLE 1A. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES North Mississippi Branch (Holly Springs) with a HIGH Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
2570	Asgrow	143.4	0	0	50	18.20	100
CX 5053	Coker	135.6	0	0	41	19.47	101
PX 9581	New Northrup King	134.8	0	1	46	17.90	101
S 7759	New Northrup King	132.0	0	0	49	18.70	105
G-4543	Funk's	131.4	0	0	43	18.83	103
ORO 180	ORO	130.0	0	0	46	16.40	101
3020	Coker	128.6	0	0	43	18.20	114
5613	Sunbelt	128.4	0	5	47	18.33	110
GK 850	AgraTech	128.1	0	1	43	18.63	108
1802	Sunbelt	126.8	0	0	47	19.23	101
3165	Pioneer	126.6	0	3	48	19.90	103
DK689	Dekalb	125.2	0	1	48	18.27	103
8690	Coker	124.4	0	0	43	18.73	100
21	Coker	123.7	0	0	47	20.63	103
ORO 150	ORO	123.0	0	0	46	16.77	103
3389	Pioneer	121.9	0	0	45	17.07	101
SX 352	Cargill	121.9	0	0	48	18.40	103
CX 5059	Coker	121.7	0	0	46	17.60	101
8400	Jacques	121.6	0	1	48	22.80	100
DK789	Dekalb	121.2	0	0	47	19.60	105
3344	Asgrow	120.9	0	0	47	16.10	94
RX905	Asgrow	120.7	0	3	45	17.70	101
DK711	Dekalb	120.2	0	1	44	19.10	103
3187	Pioneer	120.2	0	0	44	17.97	100
7993	Cargill	119.8	0	0	47	18.10	96
S 8645	New Northrup King	119.5	0	0	46	17.97	105
RA 1502	Funk's	118.9	0	0	46	19.03	98
8625	Coker	118.8	0	0	47	17.00	107
8575	Coker	116.2	0	0	42	16.20	105
G-4666	Funk's	115.4	0	0	45	19.00	107
3295	Pioneer	114.9	0	0	43	17.03	108
G-4733	Funk's	113.7	0	0	44	21.30	98
8990	Cargill	113.5	0	0	51	21.37	103
PX 9540	New Northrup King	113.0	0	0	44	16.97	101
G-4858	Funk's	112.6	0	0	48	19.17	98
7990	Cargill	112.5	0	0	47	16.83	103
PX 79	New Northrup King	112.5	0	0	48	16.30	103
1827	Sunbelt	112.3	0	0	43	16.13	103
CX 6801	Coker	110.9	0	0	49	21.47	105
GK 750	AgraTech	110.3	0	0	40	16.70	108
5509	Asgrow	109.4	0	1	45	18.87	101
8696	Coker	108.5	0	0	49	19.67	83
5750	Deltapine	108.2	0	0	41	17.50	100
7877	Cargill	107.8	0	0	43	15.93	105
3110	Pioneer	106.9	0	0	47	18.50	103
5615	Sunbelt	106.0	0	0	41	18.87	96
8601	Coker	103.8	0	0	39	16.27	116
3147	Pioneer	101.8	0	0	48	17.50	101
G-4868	Funk's	101.2	0	0	44	21.47	100

(Continued)

TABLE 1A (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3144w	Pioneer	101.0	0	0	50	20.40	108
PX 95	New Northrup King	97.9	0	0	51	19.57	107
G-4743	Funk's	94.1	0	0	43	20.27	98
1876	Sunbelt	93.4	0	0	59	21.47	110
McNair 508	New Northrup King	82.8	0	1	52	23.70	108
1882	Sunbelt	82.7	0	1	48	23.87	101
1860	Sunbelt	82.5	0	1	52	22.10	107
6131	Mississippi	60.5	0	33	57	17.77	101
Overall Mean.....		114.3					
LSD @ .10.....		20.7					
Standard Error of Mean.....		8.8					
Error Degrees of Freedom.....		112					
CV %.....		13.4					

TABLE 1B. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES North Mississippi Branch (Holly Springs) with a LOW Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
SX 352	Cargill	120.8	0	0	46	15.37	117
CX 5053	Coker	118.8	0	0	39	17.17	110
3389	Pioneer	114.6	0	0	41	15.27	107
3165	Pioneer	114.4	0	2	44	16.77	112
3147	Pioneer	113.9	0	0	47	16.40	107
GK 850	AgraTech	111.6	0	2	41	17.20	107
S 7759	New Northrup King	111.5	0	0	43	15.73	112
3187	Pioneer	111.1	0	0	43	17.10	110
ORO 180	ORO	110.9	0	0	43	15.50	112
2570	Asgrow	110.1	0	0	45	15.43	115
G-4858	Funk's	108.7	0	0	46	18.63	105
GK 750	AgraTech	108.4	0	0	41	15.90	105
G-4733	Funk's	107.8	0	0	42	20.30	112
21	Coker	107.4	0	5	43	17.07	102
1802	Sunbelt	106.5	0	0	42	16.43	112
5613	Sunbelt	106.4	0	2	43	15.67	112
8625	Coker	106.0	0	0	44	14.83	110
DK689	Dekalb	105.8	0	2	45	15.53	110
8601	Coker	105.3	0	0	33	14.97	120
8696	Coker	105.0	0	0	45	17.17	112
G-4543	Funk's	104.9	0	0	40	15.73	105
DK711	Dekalb	104.9	0	0	43	18.17	107
3020	Coker	104.8	0	0	44	17.13	112
Dk789	Dekalb	104.5	0	2	42	17.50	112
PX 9581	New Northrup King	104.4	0	2	42	17.53	110
3110	Pioneer	104.3	0	0	43	16.80	107
3344	Asgrow	104.2	0	2	41	13.40	110
8400	Jacques	103.7	0	10	43	18.57	112
8575	Coker	103.4	0	0	41	14.53	107
PX 79	New Northrup King	102.8	0	2	44	14.13	115
7990	Cargill	102.4	0	0	43	15.40	112
CX 5059	Coker	101.9	0	0	41	16.60	117
7993	Cargill	101.6	0	2	40	15.90	107
S 8645	New Northrup King	100.8	0	0	43	15.87	112
1827	Sunbelt	100.4	0	2	43	18.67	110
8690	Coker	100.0	0	0	43	15.73	112
G-4666	Funk's	98.5	0	0	42	16.60	122
ORO 150	ORO	97.7	0	0	45	15.13	115
RX905	Asgrow	96.9	0	2	38	16.53	102
3295	Pioneer	94.0	0	0	39	14.77	110
PX 9540	New Northrup King	93.5	0	0	37	15.47	112
1876	Sunbelt	93.4	0	0	55	21.17	100
G-4868	Funk's	92.7	0	0	42	19.40	107
CX 6801	Coker	91.4	0	0	43	20.03	110
5750	Deltapine	90.5	0	0	42	15.23	107
RA 1502	Funk's	90.0	0	0	42	15.57	112
3144w	Pioneer	88.7	0	5	47	19.40	110
7877	Cargill	87.9	0	2	39	13.77	112
8990	Cargill	87.2	0	5	45	18.50	112

(Continued)

TABLE 1B (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
G-4743	Funk's	85.7	0	0	44	17.90	105
1860	Sunbelt	85.5	0	2	45	20.13	117
McNair 508	New Northrup King	84.9	0	2	48	22.33	107
1882	Sunbelt	78.7	0	0	44	21.53	107
PX 95	New Northrup King	78.6	0	7	47	17.70	107
5615	Sunbelt	75.9	0	5	38	16.47	102
6131	Mississippi	74.6	0	10	55	17.50	117
5509	Asgrow	73.5	0	2	41	18.37	100
Overall Mean.....		99.9					
LSD @ .10.....		20.2					
Standard Error of Mean.....		8.6					
Error Degrees of Freedom.....		112					
CV %.....		14.9					

TABLE 2A. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES Northeast Mississippi Branch (Verona) with a HIGH Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
GK 850	AgraTech	151.5	3	3	57	16.77	101
PX 9540	New Northrup King	143.7	0	0	53	15.10	101
S 7759	New Northrup King	127.9	10	0	53	14.80	101
8575	Coker	122.1	5	5	54	13.97	101
1827	Sunbelt	121.7	7	0	54	15.53	98
2570	Asgrow	120.2	5	25	60	14.70	100
3187	Pioneer	118.2	8	5	53	15.87	101
DK711	Dekalb	115.9	19	1	54	16.30	107
3020	Coker	114.4	1	14	54	15.53	96
3165	Pioneer	114.4	28	0	51	15.90	110
G-4743	Funk's	113.4	10	5	50	16.83	96
DK689	Dekalb	113.0	5	10	50	13.73	89
PX 9581	New Northrup King	113.0	5	16	51	15.53	98
8625	Coker	111.9	3	0	54	14.93	94
5509	Asgrow	111.6	1	5	52	15.13	98
G-4543	Funk's	109.2	0	0	52	15.03	92
8690	Coker	107.3	26	12	48	14.53	101
3344	Asgrow	105.6	21	3	48	13.10	101
3295	Pioneer	105.1	12	5	51	13.50	96
8990	Cargill	104.8	7	12	52	15.73	100
7990	Cargill	104.0	3	1	53	14.87	94
CX 5053	Coker	103.2	0	0	47	14.67	85
21	Coker	99.6	8	17	56	14.80	100
CX 6801	Coker	96.9	3	28	47	16.73	101
1802	Sunbelt	96.2	0	16	51	15.63	85
G-4666	Funk's	95.0	1	0	49	14.37	91
SX 352	Cargill	93.7	7	8	55	13.77	96
3110	Pioneer	89.9	1	7	46	14.93	103
RX905	Asgrow	89.9	23	16	52	14.17	103
7877	Cargill	89.5	0	7	44	13.93	103
7993	Cargill	87.9	0	5	49	13.53	91
3147	Pioneer	86.8	5	35	57	14.17	100
8601	Coker	86.4	0	7	35	13.37	105
McNair 508	New Northrup King	83.9	12	10	66	18.73	101
RA 1502	Funk's	82.6	0	14	49	14.17	101
DK789	Dekalb	76.6	23	5	47	16.37	103
CX 5059	Coker	76.6	0	7	47	13.43	100
5615	Sunbelt	75.9	3	16	47	13.87	82
8400	Jacques	75.9	8	28	48	15.37	85
8696	Coker	74.1	10	10	49	14.10	98
PX 79	New Northrup King	73.8	8	12	44	12.43	94
1860	Sunbelt	73.4	5	14	47	15.50	105
ORO 150	ORO	73.3	3	3	44	13.13	101
G-4858	Funk's	72.8	7	10	54	15.13	67
S 8645	New Northrup King	72.8	5	8	51	14.07	94
GK 750	AgraTech	70.9	0	1	47	13.53	91
G-4733	Funk's	67.6	19	37	57	15.93	108
ORO 180	ORO	66.2	3	39	51	13.17	103
3144w	Pioneer	64.3	30	39	49	15.00	100

(Continued)

TABLE 2A (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
5750	Deltapine	63.3	0	12	45	14.10	80
3389	Pioneer	60.3	0	3	46	14.23	103
PX 95	New Northrup King	58.4	17	46	57	14.83	112
G-4868	Funk's	53.8	0	3	44	15.87	87
1876	Sunbelt	49.8	21	37	54	14.90	100
5613	Sunbelt	45.1	0	26	42	13.07	92
6131	Mississippi	35.7	25	80	61	15.17	103
1882	Sunbelt	24.8	0	5	39	15.80	92
Overall Mean.....		90.1					
LSD @ .10.....		45.0					
Standard Error of Mean.....		19.2					
Error Degrees of Freedom.....		112					
CV %.....		42.5					

TABLE 2B. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES Northeast Mississippi Branch (Verona) with a LOW Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
S 8645	New Northrup King	140.4	0	2	50	16.13	110
7990	Cargill	136.7	2	5	51	16.00	107
3165	Pioneer	131.2	20	0	49	18.03	117
8696	Coker	131.0	10	0	53	16.50	110
ORO 180	ORO	127.2	0	7	49	15.97	117
RA 1502	Funk's	126.7	0	12	52	16.77	107
CX 5059	Coker	126.4	5	0	52	15.63	112
RX905	Asgrow	124.2	0	5	53	15.10	107
3110	Pioneer	122.3	5	2	48	15.53	110
GK 850	AgraTech	122.1	0	15	50	16.00	115
G-4733	Funk's	121.8	0	5	53	17.27	110
G-4543	Funk's	121.4	2	0	45	14.63	112
DK689	Dekalb	120.1	0	0	51	14.70	97
3020	Coker	119.3	0	2	48	16.30	105
1827	Sunbelt	119.2	2	0	51	16.43	107
3187	Pioneer	119.1	0	0	52	17.27	112
5509	Asgrow	118.9	0	2	53	15.27	107
8601	Coker	118.4	0	5	45	14.57	105
8625	Coker	118.0	0	0	49	15.03	115
DK711	Dekalb	117.4	0	0	51	16.40	107
5613	Sunbelt	116.7	0	5	50	15.57	102
GK 750	AgraTech	115.6	0	0	45	14.87	100
3389	Pioneer	114.2	15	0	55	15.87	110
G-4868	Funk's	109.2	5	0	48	19.13	95
CX 5053	Coker	109.2	0	0	51	15.87	85
7993	Cargill	109.1	2	0	45	14.73	107
SX 352	Cargill	108.9	7	0	57	14.70	102
1802	Sunbelt	108.4	5	10	48	16.53	107
8690	Coker	108.3	0	2	44	15.63	107
PX 9540	New Northrup King	108.2	0	0	46	14.33	107
G-4743	Funk's	107.9	30	0	45	16.47	102
PX 95	New Northrup King	107.4	0	10	52	15.90	110
21	Coker	107.0	5	10	55	15.27	105
2570	Asgrow	106.4	2	12	52	14.53	110
DK789	Dekalb	106.4	15	5	54	17.57	117
1860	Sunbelt	104.1	0	0	54	17.50	110
3147	Pioneer	103.6	5	10	51	15.07	105
1876	Sunbelt	103.6	22	5	66	21.57	105
8990	Cargill	103.4	0	0	46	16.27	102
7877	Cargill	103.4	0	0	54	15.60	107
ORO 150	ORO	103.1	10	2	54	14.33	102
CX 6801	Coker	102.5	0	10	46	18.23	107
3344	Asgrow	101.8	5	0	44	14.30	105
3295	Pioneer	101.6	7	0	45	13.73	102
3144w	Pioneer	100.7	25	12	41	15.93	107
5750	Deltapine	100.7	2	5	47	14.63	102
S 7759	New Northrup King	99.7	0	0	46	15.13	95
5615	Sunbelt	98.6	2	2	49	16.73	92
1882	Sunbelt	96.7	0	2	48	20.90	97

(Continued)

TABLE 2B (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
G-4666	Funk's	96.0	0	0	43	16.37	100
PX 79	New Northrup King	89.8	2	5	41	12.77	105
G-4858	Funk's	86.0	2	2	48	16.27	85
McNair 508	New Northrup King	84.8	0	2	58	19.47	107
8575	Coker	84.5	2	7	47	13.90	105
PX 9581	New Northrup King	84.4	5	37	47	15.70	97
8400	Jacques	80.1	0	5	47	16.70	100
6131	Mississippi	70.2	25	67	65	15.73	110
Overall Mean.....		109.2					
LSD @ .10.....		NS					
Standard Error of Mean.....		12.9					
Error Degrees of Freedom.....		112					
CV %.....		23.7					

TABLE 3A. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES Black Belt Branch (Brooksville) with a HIGH Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3144w	Pioneer	145.7	0	0	51	18.00	87
PX 9581	New Northrup King	135.1	1	0	41	16.60	85
GK 850	AgraTech	134.5	0	0	42	15.77	98
21	Coker	133.7	0	3	44	16.20	87
G-4858	Funk's	131.5	3	0	43	18.63	78
3165	Pioneer	131.4	0	0	42	17.20	92
RX905	Asgrow	131.2	0	0	41	14.60	94
2570	Asgrow	131.0	0	0	50	15.20	98
5509	Asgrow	130.2	1	1	47	16.07	101
G-4868	Funk's	129.9	1	0	45	20.77	91
CX 6801	Coker	129.8	3	1	43	17.90	92
8696	Coker	128.8	0	0	50	17.10	96
1802	Sunbelt	127.6	0	0	38	15.53	89
S 7759	New Northrup King	127.4	0	0	41	14.87	92
G-4733	Funk's	126.5	0	0	42	18.17	91
S 8645	New Northrup King	126.4	0	0	42	15.97	94
ORO 180	ORO	126.2	0	0	45	14.63	94
3187	Pioneer	125.8	1	0	42	16.30	92
3295	Pioneer	124.5	0	0	41	15.77	87
1827	Sunbelt	122.5	0	0	43	17.27	89
5613	Sunbelt	122.0	0	0	44	14.60	87
8990	Cargill	121.8	1	0	43	18.70	85
DK789	Dekalb	121.7	0	1	45	17.30	94
3389	Pioneer	121.6	0	0	41	16.60	89
ORO 150	ORO	121.3	0	0	42	15.03	82
5750	Deltapine	120.5	0	0	45	15.57	98
CX 5053	Coker	120.0	0	0	39	15.63	92
RA 1502	Funk's	119.8	0	1	40	14.87	87
7877	Cargill	119.5	0	0	40	14.73	80
G-4666	Funk's	119.4	0	0	44	15.70	91
SX 352	Cargill	119.2	0	0	40	14.93	91
DK711	Dekalb	118.9	0	0	39	16.20	91
7990	Cargill	118.4	0	3	39	14.30	96
PX 79	New Northrup King	117.1	0	0	41	14.63	89
CX 5059	Coker	117.0	0	0	39	15.80	82
3344	Asgrow	116.6	1	3	39	14.73	91
3110	Pioneer	115.8	0	0	41	16.03	94
DK689	Dekalb	114.9	0	0	44	14.20	87
PX 9540	New Northrup King	114.7	0	0	38	14.80	89
1882	Sunbelt	114.3	0	0	47	20.17	89
1876	Sunbelt	114.2	7	0	59	22.37	76
1860	Sunbelt	113.9	0	0	46	18.63	91
3020	Coker	112.4	0	0	42	15.43	73
7993	Cargill	109.6	0	0	35	14.60	85
PX 95	New Northrup King	109.5	5	17	51	16.57	94
G-4543	Funk's	109.3	0	0	38	15.30	94
5615	Sunbelt	108.3	0	0	35	15.37	89
8690	Coker	107.1	0	1	40	15.87	82
GK 750	AgraTech	106.7	0	0	36	14.50	87

(Continued)

TABLE 3A (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3147	Pioneer	106.5	0	1	46	14.00	94
8601	Coker	105.0	0	0	33	14.60	82
8625	Coker	103.6	0	0	40	14.93	92
8400	Jacques	101.2	0	1	47	17.60	89
McNair 508	New Northrup King	92.7	0	0	50	19.40	100
G-4743	Funk's	90.7	0	0	43	17.20	89
8575	Coker	87.7	0	0	34	13.40	75
6131	Mississippi	82.6	7	21	52	15.63	80
Overall Mean.....		118.2					
LSD @ .10.....		23.2					
Standard Error of Mean.....		9.9					
Error Degrees of Freedom.....		112					
CV %.....		14.5					

TABLE 3B. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES Black Belt Branch with a LOW Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
8601	Coker	141.5	0	0	38	15.70	97
PX 95	New Northrup King	140.8	5	0	47	16.50	112
21	Coker	138.4	0	2	45	16.17	105
3110	Pioneer	134.4	0	0	42	17.73	102
3295	Pioneer	134.1	2	0	45	15.80	115
DK789	Dekalb	133.0	0	0	43	18.63	100
3165	Pioneer	132.4	0	0	38	21.77	100
3020	Coker	131.7	0	0	38	15.37	112
1876	Sunbelt	129.4	7	2	51	20.27	92
8400	Jacques	129.0	0	0	41	17.93	92
3187	Pioneer	128.8	2	2	39	17.77	100
CX 5053	Coker	128.8	0	0	38	16.57	105
S 7759	New Northrup King	128.4	0	0	41	15.00	112
ORO 180	ORO	128.4	0	0	44	15.70	92
3144w	Pioneer	128.2	0	0	38	18.53	82
SX 352	Cargill	127.9	0	0	41	15.57	120
8625	Coker	127.6	0	0	38	16.27	110
G-4666	Funk's	126.3	0	0	41	17.10	110
CX 5059	Coker	125.2	0	0	42	15.83	102
G-4858	Funk's	124.2	0	0	40	19.17	102
5509	Asgrow	122.7	0	2	42	16.70	115
8990	Cargill	122.1	0	0	44	18.73	115
RA 1502	Funk's	120.5	0	0	43	15.40	122
RX905	Asgrow	120.0	0	0	39	16.30	100
8575	Coker	119.5	0	0	37	14.20	105
G-4733	Funk's	119.1	0	0	37	18.33	102
8696	Coker	119.0	0	0	44	18.20	95
PX 9581	New Northrup King	118.7	0	2	40	16.70	97
1860	Sunbelt	118.4	0	0	49	19.53	107
DK711	Dekalb	118.4	0	0	41	17.07	102
7990	Cargill	118.1	0	0	42	14.67	107
7877	Cargill	115.1	0	0	37	14.60	107
5613	Sunbelt	115.0	0	0	42	15.13	95
GK 750	AgraTech	114.5	0	0	38	15.30	100
1802	Sunbelt	114.4	0	0	40	17.20	100
1827	Sunbelt	114.1	0	10	47	16.47	100
GK 850	AgraTech	113.8	0	0	43	16.40	82
3389	Pioneer	111.8	0	0	42	16.37	95
2570	Asgrow	111.3	0	0	43	16.43	85
PX 79	New Northrup King	109.9	0	2	40	13.93	120
ORO 150	ORO	109.2	0	0	41	14.50	95
G-4868	Funk's	108.6	0	0	38	19.90	87
7993	Cargill	107.7	0	0	38	14.93	97
3344	Asgrow	107.4	0	5	38	15.23	105
3147	Pioneer	107.3	2	10	49	17.20	97
S 8645	New Northrup King	107.1	0	0	40	15.93	92
6131	Mississippi	107.0	5	27	47	16.60	100
8690	Coker	106.0	0	0	36	15.50	102
McNair 508	New Northrup King	104.8	0	0	51	20.93	115

(Continued)

TABLE 3B (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
G-4743	Funk's	102.8	0	0	37	18.20	82
G-4543	Funk's	102.5	0	0	33	14.70	87
5750	Deltapine	101.8	0	0	39	15.77	90
PX 9540	New Northrup King	100.6	0	0	41	16.17	90
CX 6801	Coker	100.3	2	5	42	18.10	95
DK689	Dekalb	96.4	0	0	39	14.63	87
1882	Sunbelt	90.8	0	0	50	21.60	97
5615	Sunbelt	87.9	2	0	42	16.53	100
Overall Mean.....		117.6					
LSD @ .10.....		17.8					
Standard Error of Mean.....		7.6					
Error Degrees of Freedom.....		112					
CV %.....		11.2					

Table 4A. Summary of performance of 57 hybrids grown at Area 1 with a HIGH plant population in the 1987 Mississippi Corn Hybrid Trials.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand@ Harvest %
GK 850	AgraTech	138.1	1	1	47	17.06	102
2570	Asgrow	131.5	1	8	53	16.03	99
S 7759	New Northrup King	129.1	3	0	47	16.12	100
PX 9581	New Northrup King	127.6	2	5	46	16.68	95
3165	Pioneer	124.1	9	1	47	17.67	102
PX 9540	New Northrup King	123.8	0	0	45	15.62	97
3187	Pioneer	121.4	3	1	46	16.71	98
CX 5053	Coker	119.6	0	0	42	16.59	93
21	Coker	119.0	2	7	49	17.21	97
1827	Sunbelt	118.9	2	0	46	16.31	97
3020	Coker	118.5	0	4	46	16.39	94
DK711	Dekalb	118.3	6	1	45	17.20	100
DK689	Dekalb	117.7	1	4	47	15.40	93
5509	Asgrow	117.1	1	2	48	16.69	100
1802	Sunbelt	116.8	0	5	45	16.80	92
G-4543	Funk's	116.7	0	0	44	16.39	97
3295	Pioneer	114.8	4	1	45	15.43	97
3344	Asgrow	114.4	7	2	44	14.64	95
RX905	Asgrow	113.9	7	6	46	15.49	100
8990	Cargill	113.4	2	4	48	18.60	96
8690	Coker	112.9	8	4	43	16.38	94
CX 6801	Coker	112.5	2	10	46	18.70	100
7990	Cargill	111.6	1	1	46	15.33	98
SX 352	Cargill	111.6	2	2	47	15.70	97
8625	Coker	111.4	1	0	47	15.62	98
G-4666	Funk's	109.9	0	0	46	16.36	96
8575	Coker	108.7	1	1	43	14.52	94
ORO 180	ORO	107.5	1	13	47	14.73	100
RA 1502	Funk's	107.1	0	5	45	16.02	95
DK789	Dekalb	106.5	7	2	46	17.76	101
S 8645	New Northrup King	106.2	1	2	46	16.00	98
ORO 150	ORO	105.8	1	1	44	14.98	95
7993	Cargill	105.7	0	1	43	15.41	91
G-4858	Funk's	105.6	3	3	48	17.64	81
7877	Cargill	105.6	0	2	42	14.86	96
CX 5059	Coker	105.1	0	2	44	15.61	94
3110	Pioneer	104.2	0	2	44	16.49	100
8696	Coker	103.8	3	3	49	16.96	92
3144w	Pioneer	103.7	10	13	50	17.80	98
G-4733	Funk's	102.6	6	12	47	18.47	99
3389	Pioneer	101.3	0	1	44	15.97	98
PX 79	New Northrup King	101.1	2	4	44	14.45	95
8400	Jacques	99.5	2	10	47	18.59	91
G-4743	Funk's	99.4	3	1	45	18.10	94
5613	Sunbelt	98.5	0	10	44	15.33	97
8601	Coker	98.4	0	2	35	14.75	101
3147	Pioneer	98.4	1	12	50	15.22	98
5750	Deltapine	97.3	0	4	43	15.72	92
5615	Sunbelt	96.7	1	5	41	16.04	89

(Continued)

TABLE 4A (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
GK 750	AgraTech	96.0	0	0	41	14.91	95
G-4868	Funk's	95.0	0	1	44	19.37	92
1860	Sunbelt	89.9	1	5	48	18.74	101
PX 95	New Northrup King	88.6	7	21	53	16.99	104
McNair 508	New Northrup King	86.5	4	4	56	20.61	103
1876	Sunbelt	85.8	9	12	57	19.58	95
1882	Sunbelt	73.9	0	2	44	19.95	94
6131	Mississippi	59.6	10	45	56	16.19	95
Overall Mean.....		107.5					
LSD @ .10.....		20.19					
Standard Error of Mean.....		8.6					
Error Degrees of Freedom.....		336.0					
CV %.....		24.0					

Table 4B. Summary of performance of 57 hybrids grown at Area 1 with a LOW plant population in the 1987 Mississippi Corn Hybrid Trials.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3165	Pioneer	126.0	6	0	43	18.86	110
ORO 180	ORO	122.2	0	2	45	15.72	107
8601	Coker	121.7	0	1	38	15.08	107
3110	Pioneer	120.3	1	0	44	16.69	106
3187	Pioneer	119.7	0	0	44	17.38	107
SX 352	Cargill	119.2	2	0	48	15.21	113
7990	Cargill	119.1	0	1	45	15.36	109
CX 5053	Coker	118.9	0	0	42	16.54	100
3020	Coker	118.6	0	0	43	16.27	110
8696	Coker	118.3	3	0	47	17.29	105
CX 5059	Coker	117.8	1	0	45	16.02	110
21	Coker	117.6	1	5	47	16.17	104
8625	Coker	117.2	0	0	43	15.38	111
G-4733	Funk's	116.2	0	1	44	18.63	108
S 8645	New Northrup King	116.1	0	0	44	15.98	105
GK 850	AgraTech	115.8	0	5	44	16.53	101
RX905	Asgrow	113.7	0	2	43	15.98	103
DK711	Dekalb	113.5	0	0	45	17.21	105
3389	Pioneer	113.5	5	0	46	15.84	104
S 7759	New Northrup King	113.2	0	0	43	15.29	106
GK 750	AgraTech	112.8	0	0	41	15.36	101
5613	Sunbelt	112.7	0	2	45	15.46	103
RA 1502	Funk's	112.4	0	4	5	15.91	114
1827	Sunbelt	111.3	0	4	47	17.19	105
3295	Pioneer	109.9	3	0	43	14.77	109
1802	Sunbelt	109.8	1	3	43	16.72	106
G-4543	Funk's	109.6	0	0	39	15.02	101
2570	Asgrow	109.3	0	4	46	15.46	103
PX 95	New Northrup King	108.9	1	5	48	16.70	110
1876	Sunbelt	108.8	10	2	57	21.00	99
3147	Pioneer	108.3	2	6	49	16.22	103
DK689	Dekalb	107.4	0	0	45	14.95	98
G-4666	Funk's	106.9	0	0	42	16.69	110
G-4858	Funk's	106.3	0	0	44	18.02	97
7993	Cargill	106.1	0	0	41	15.19	104
3144w	Pioneer	105.9	8	5	42	17.95	100
5509	Asgrow	105.0	0	2	45	16.78	107
8690	Coker	104.8	0	0	41	15.62	107
3344	Asgrow	104.5	1	2	41	14.31	106
Dk789	Dekalb	104.5	0	2	42	17.50	112
8400	Jacques	104.2	0	5	43	17.73	101
8990	Cargill	104.2	0	1	45	17.83	110
G-4868	Funk's	103.5	1	0	42	19.48	96
ORO 150	ORO	103.4	3	0	46	14.65	104
1860	Sunbelt	102.7	0	0	49	19.05	111
PX 9581	New Northrup King	102.5	1	14	43	16.64	101
8575	Coker	102.5	0	2	41	14.21	105
7877	Cargill	102.1	0	0	43	14.66	109
PX 79	New Northrup King	100.8	0	3	41	13.61	113

(Continued)

TABLE 4B (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
PX 9540	New Northrup King	100.7	0	0	41	15.32	103
G-4743	Funk's	98.8	10	0	42	17.52	96
CX 6801	Coker	98.1	0	5	43	18.79	104
5750	Deltapine	97.7	0	1	42	15.21	100
McNair 508	New Northrup King	91.5	0	1	52	20.91	110
1882	Sunbelt	88.7	0	0	47	21.34	100
5615	Sunbelt	87.5	1	2	43	16.58	98
6131	Mississippi	83.9	10	35	55	16.61	109
Overall Mean.....		109.0					
LSD @ .10.....		NS					
Standard Error of Mean.....		8.0					
Error Degrees of Freedom.....		336.0					
CV %.....		21.9					

TABLE 5A. Three-year (1985-86-87) average performance of 19 hybrids grown in Area 1 in the Mississippi corn hybrid trials.*

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
PX 9581	Northrup King	112.9	2	8	45	16.2	88
3165	Pioneer	109.7	4	7	45	16.8	88
3389	Pioneer	108.9	0	3	44	14.7	90
S-7759	Northrup King	104.3	1	5	45	14.6	92
8400	Jacques	104.1	2	10	45	16.4	85
8625	Coker	102.1	0	6	43	14.5	90
1827	Sunbelt	101.7	1	7	44	15.9	91
8990	Cargill	100.3	5	9	47	16.4	92
3187	Pioneer	99.7	1	3	45	14.9	90
SX352	Cargill	99.3	1	5	46	14.3	92
1802	Sunbelt	99.2	0	9	43	15.5	85
G-4733	Funk's	97.4	3	8	43	17.2	89
G-4858	Funk's	97.4	3	10	45	16.4	84
21	Coker	92.3	1	8	43	16.0	82
7990	Cargill	88.5	0	6	42	14.1	88
1860	Sunbelt	88.3	0	10	47	17.3	94
3147	Pioneer	83.2	1	13	46	15.4	85
1876	Sunbelt	82.3	4	10	55	12.7	88
6131	Mississippi	64.4	6	5	46	14.3	92

* 1985-86 planting rate = 22,000 1987 planting rate = 24,000

TABLE 5B. Three-year (1985-86-87) average performance of 19 hybrids grown in Area 1 in the Mississippi corn hybrid trials.*

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3165	Pioneer	103.6	2	5	42	16.8	116
8625	Coker	99.0	1	5	42	14.3	115
3187	Pioneer	97.8	0	8	42	15.5	115
3389	Pioneer	97.6	0	11	43	14.5	115
SX352	Cargill	93.4	1	3	45	14.0	126
8400	Jacques	92.7	2	13	43	16.2	115
1802	Sunbelt	92.7	1	7	42	15.4	117
S-7759	Northrup King	91.9	0	7	43	14.4	118
PX 9581	Northrup King	89.8	0	13	42	15.5	118
7990	Cargill	88.6	0	11	41	13.7	116
21	Coker	87.4	0	16	43	15.8	111
1827	Sunbelt	86.7	0	14	43	15.9	116
3147	Pioneer	86.2	4	21	45	15.1	113
8990	Cargill	84.9	3	8	44	16.0	119
G-4733	Funk's	83.1	0	11	37	15.2	103
G-4858	Funk's	82.2	4	11	39	14.5	98
1860	Sunbelt	80.5	0	12	45	17.1	117
1876	Sunbelt	75.7	5	20	52	18.0	114
6131	Mississippi	66.3	7	46	51	15.4	116

* 1985-86 planting rate = 16,000 1987 planting rate = 18,000

TABLE 6A. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES Brown Loam Branch (Raymond) with a HIGH Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3110	Pioneer	146.0	0	0	51	15.47	101
3165	Pioneer	145.5	0	0	50	15.10	103
3295	Pioneer	144.6	0	0	51	13.87	96
G-4868	Funk's	144.1	0	0	49	16.97	94
G-4666	Funk's	142.2	0	0	44	14.03	100
888	AgraTech	142.2	0	0	46	15.10	98
CX 6801	Coker	138.5	0	5	49	15.83	98
5750	Deltapine	137.1	0	0	46	14.13	100
8400	Jacques	136.6	3	1	48	14.53	100
GK 850	AgraTech	135.8	0	1	45	13.97	100
3320	Pioneer	135.6	0	3	46	13.93	98
5613	Sunbelt	133.2	0	5	44	13.73	100
PX 9581	New Northrup King	133.1	0	1	43	14.63	100
DK789	Dekalb	132.7	0	0	47	14.97	100
DK689	Dekalb	131.7	0	1	50	13.90	101
G-4543	Funk's	131.6	0	0	45	14.10	101
8990	Cargill Seeds	131.0	0	0	48	14.53	100
7800	McCurdy	129.1	0	1	47	14.30	100
1827	Sunbelt	128.5	0	5	46	14.17	103
1876	Sunbelt	127.8	1	1	55	14.80	96
8951	Cargill Seeds	126.3	1	1	47	14.97	94
DK711	Dekalb	125.5	1	1	43	14.20	103
3187	Pioneer	125.2	0	0	48	13.70	98
3147	Pioneer	125.0	0	5	49	13.33	103
9427	Cargill Seeds	124.9	0	1	51	14.40	96
1802	Sunbelt	124.7	0	1	45	14.27	100
McNair 508	New Northrup King	123.7	0	1	52	17.47	96
G-4743	Funk's	121.9	0	0	46	15.27	94
RX905	Asgrow	119.7	0	12	46	13.73	89
8967	Cargill Seeds	119.4	0	1	45	14.87	94
PX 79	New Northrup King	116.2	1	0	46	13.30	96
8905	Coker	115.9	0	0	46	16.97	96
5615	Sunbelt	115.0	0	3	40	14.80	98
3144w	Pioneer	114.9	12	1	49	14.07	94
1860	Sunbelt	113.4	1	7	47	15.27	98
8575	Coker	112.9	0	5	41	14.47	96
8625	Coker	111.4	0	0	43	14.13	101
PX 95	New Northrup King	110.1	3	25	51	14.93	89
Sx 352	Cargill Seeds	109.0	1	0	44	15.20	100
1882	Sunbelt	105.2	0	0	45	15.90	100
9990	Cargill Seeds	104.5	0	1	48	16.13	101
CX 5067	Coker	103.7	0	5	38	13.93	92
6131	Mississippi	82.0	0	33	53	14.57	92
Overall Mean.....		125.1					
LSD @ .10.....		18.2					
Standard Error of Mean.....		7.7					
Error Degrees of Freedom.....		84					
CV %.....		10.7					

TABLE 6B. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES Brown Loam Branch (Raymond) with a LOW Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3165	Pioneer	132.5	0	0	47	13.97	107
7800	McCurdy	131.3	0	0	46	14.00	107
9427	Cargill Seeds	129.7	0	0	48	13.60	107
DK789	Dekalb	127.8	0	0	47	14.43	107
CX 6801	Coker	127.4	2	2	47	15.10	105
G-4743	Funk's	125.8	0	0	49	14.50	105
G-4666	Funk's	125.8	0	0	47	13.33	110
1827	Sunbelt	123.7	0	12	46	13.87	107
5613	Sunbelt	123.6	2	0	47	13.23	107
G-4868	Funk's	123.3	0	0	47	14.33	105
PX 9581	New Northrup King	123.2	0	0	46	13.87	107
3320	Pioneer	122.8	2	2	45	13.30	107
RX905	Asgrow	122.6	0	2	47	13.47	105
G-4543	Funk's	122.5	0	0	44	13.47	107
PX 95	New Northrup King	122.4	0	7	50	13.40	110
8905	Coker	121.6	0	0	49	16.67	107
DK689	Dekalb	121.5	0	0	49	13.13	110
8990	Cargill Seeds	121.2	2	0	45	13.70	105
3295	Pioneer	120.0	0	0	49	13.30	107
3147	Pioneer	120.0	0	2	47	12.73	107
3187	Pioneer	118.7	0	0	47	13.17	112
1802	Sunbelt	118.6	0	0	46	13.83	97
GK 850	AgraTech	118.0	0	0	46	13.67	105
1860	Sunbelt	117.4	0	0	47	14.47	107
888	AgraTech	116.3	0	0	47	13.30	110
3110	Pioneer	116.1	0	0	48	14.53	105
DK711	Dekalb	114.6	2	0	41	13.77	112
8400	Jacques	114.6	0	2	45	13.57	107
9990	Cargill Seeds	113.6	0	0	46	17.10	110
8625	Coker	112.9	0	0	48	13.50	110
1876	Sunbelt	112.6	0	2	50	13.57	102
8951	Cargill Seeds	111.4	0	0	46	13.93	107
3144w	Pioneer	110.9	17	2	49	14.10	110
5750	Deltapine	110.8	0	0	44	13.63	107
CX 5067	Coker	110.8	0	2	47	13.97	105
8575	Coker	110.6	0	0	45	12.97	105
8967	Cargill Seeds	110.1	0	0	46	13.57	107
1882	Sunbelt	107.8	0	0	50	16.07	110
Sx 352	Cargill Seeds	106.4	0	0	47	13.47	112
PX 79	New Northrup King	104.1	2	0	48	12.53	110
5615	Sunbelt	101.4	0	5	46	14.60	110
McNair 508	New Northrup King	95.0	0	2	51	16.33	105
6131	Mississippi	54.3	5	47	53	13.83	105

Overall Mean.....116.2
LSD @ .10..... 18.3
Standard Error of Mean..... 7.8
Error Degrees of Freedom..... 84
CV %..... 11.6

TABLE 7A. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES Coastal Plain Branch (Newton) with a HIGH Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
9427	Cargill Seeds	138.2	0	0	51	20.67	96
3187	Pioneer	137.3	0	0	51	20.33	92
1860	Sunbelt	133.7	0	0	48	20.80	89
3144w	Pioneer	130.5	0	0	52	20.73	96
8400	Jacques	130.0	0	0	48	23.77	94
PX 79	New Northrup King	126.9	0	0	47	20.80	92
GK 850	AgraTech	124.9	0	0	45	21.13	94
G-4666	Funk's	121.5	0	0	43	21.47	94
3110	Pioneer	119.7	0	0	51	21.90	94
SX 352	Cargill Seeds	118.9	0	0	50	21.13	91
7800	McCurdy	118.7	0	0	46	22.33	94
5613	Sunbelt	116.9	0	0	51	21.50	92
8967	Cargill Seeds	116.4	0	0	47	22.67	105
8575	Coker	115.3	0	0	42	19.87	85
CX 6801	Coker	115.0	0	0	45	23.00	94
1802	Sunbelt	114.3	0	0	46	21.63	83
PX 95	New Northrup King	113.4	0	5	55	23.20	94
5615	Sunbelt	112.8	1	1	46	23.80	91
DK689	Dekalb	112.7	0	0	45	20.20	92
3147	Pioneer	112.4	1	0	47	21.27	92
3295	Pioneer	112.4	1	0	43	20.33	92
RX905	Asgrow	111.8	0	1	54	20.77	87
8625	Coker	111.2	0	0	44	21.03	98
PX 9581	New Northrup King	110.8	0	0	47	21.87	96
G-4743	Funk's	110.8	0	0	49	22.30	91
888	AgraTech	110.7	0	0	47	20.87	80
G-4868	Funk's	110.5	0	0	52	23.00	94
3165	Pioneer	109.8	0	0	48	20.93	91
8951	Cargill Seeds	108.0	0	0	52	22.70	83
CX 5067	Coker	106.4	0	1	43	22.53	96
G-4543	Funk's	104.9	0	0	43	20.27	82
DK711	Dekalb	104.0	0	0	43	23.80	82
McNair 508	New Northrup King	102.8	0	1	62	24.53	100
8905	Coker	102.3	0	0	50	22.87	89
1827	Sunbelt	102.1	0	1	43	22.57	96
1882	Sunbelt	101.8	0	0	55	22.60	91
1876	Sunbelt	99.3	0	0	58	23.27	91
8990	Cargill Seeds	98.5	0	0	53	16.87	101
DK789	Dekalb	98.3	0	0	50	23.37	92
3320	Pioneer	92.9	3	3	42	20.27	69
9990	Cargill Seeds	91.3	1	0	51	20.87	87
6131	Mississippi	80.6	0	14	54	21.37	83
5750	Deltapine	79.9	0	0	42	20.97	75
Overall Mean.....		111.4					
LSD @ .10.....		20.3					
Standard Error of Mean.....		8.7					
Error Degrees of Freedom.....		84					
CV %.....		15.6					

TABLE 7B. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES Coastal Plain Branch (Newton) with a LOW Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
1802	Sunbelt	132.1	0	0	46	23.07	105
3165	Pioneer	130.1	0	0	48	25.10	120
DK711	Dekalb	127.3	0	0	44	22.47	105
3110	Pioneer	126.6	0	0	47	24.47	110
3320	Pioneer	126.2	0	0	42	22.07	110
3144w	Pioneer	125.4	0	0	52	24.20	105
9427	Cargill Seeds	123.7	0	0	52	23.20	107
PX 9581	New Northrup King	123.2	0	0	43	22.27	110
3295	Pioneer	121.3	0	0	45	21.17	115
G-4666	Funk's	121.2	0	0	47	22.13	105
CX 5067	Coker	121.1	0	0	45	21.00	110
DK689	Dekalb	120.9	0	0	49	22.17	107
8625	Coker	120.1	0	0	42	21.03	105
GK 850	AgraTech	120.1	0	0	46	22.27	105
3187	Pioneer	120.0	0	0	49	22.87	112
7800	McCurdy	119.7	0	0	45	25.00	107
PX 95	New Northrup King	118.0	0	5	55	23.63	102
5613	Sunbelt	117.7	0	0	52	21.10	105
8990	Cargill Seeds	115.8	0	0	52	23.13	105
8951	Cargill Seeds	115.8	0	0	51	23.00	110
8400	Jacques	115.7	0	0	44	24.43	102
8967	Cargill Seeds	114.8	0	0	46	25.67	115
CX 6801	Coker	114.0	0	0	48	26.17	105
1827	Sunbelt	111.4	0	0	43	23.77	105
SX 352	Cargill Seeds	111.2	0	0	53	20.67	105
PX 79	New Northrup King	110.5	0	0	50	20.00	105
G-4868	Funk's	109.7	0	0	55	26.77	107
3147	Pioneer	109.0	0	0	44	22.83	97
G-4743	Funk's	108.8	0	0	44	24.80	102
5750	Deltapine	108.5	0	0	44	22.13	102
888	AgraTech	107.3	0	0	43	22.63	100
G-4543	Funk's	107.1	0	0	46	20.87	102
RX905	Asgrow	105.8	0	5	47	19.90	107
1860	Sunbelt	104.1	0	0	49	25.90	100
8905	Coker	103.8	0	0	48	29.00	105
1876	Sunbelt	103.3	0	0	55	24.73	107
DK789	Dekalb	103.2	0	0	49	26.00	107
5615	Sunbelt	99.6	0	0	47	20.93	100
9990	Cargill Seeds	97.7	0	2	48	31.33	105
McNair 508	New Northrup King	94.5	0	0	57	26.37	110
1882	Sunbelt	91.8	0	0	50	26.93	102
6131	Mississippi	88.7	0	12	58	23.77	102
8575	Coker	80.5	0	7	44	19.80	100
Overall Mean.....		112.7					
LSD @ .10.....		14.1					
Standard Error of Mean.....		6.0					
Error Degrees of Freedom.....		84					
CV %.....		10.7					

TABLE 8A. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES South Mississippi Branch (Poplarville) with a HIGH Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
G-4666	Funk's	113.2	5	0	37	20.23	101
5750	Deltapine	96.4	14	1	38	15.70	87
DK789	Dekalb	94.0	21	8	40	21.67	94
CX 5067	Coker	93.6	8	16	38	18.57	91
McNair 508	New Northrup King	82.2	23	8	45	22.77	96
DK689	Dekalb	80.4	23	10	38	19.17	89
RX905	Asgrow	78.8	25	5	38	19.30	89
8967	Cargill Seeds	78.6	5	1	39	21.10	108
8905	Coker	75.7	17	0	38	24.80	83
8625	Coker	75.6	16	1	33	18.50	96
888	AgraTech	71.7	25	1	35	18.77	96
PX 9581	New Northrup King	71.1	10	5	36	18.57	83
1802	Sunbelt	69.3	10	5	37	15.47	87
G-4543	Funk's	69.1	14	1	35	19.10	103
3144w	Pioneer	68.9	16	0	38	21.70	85
5615	Sunbelt	67.9	14	3	33	19.20	96
DK711	Dekalb	67.4	21	1	35	20.30	91
GK 850	AgraTech	66.8	10	5	34	18.40	85
Sx 352	Cargill Seeds	64.8	25	8	40	17.53	87
G-4743	Funk's	64.6	17	1	33	21.17	80
3110	Pioneer	64.3	21	1	30	20.30	82
3320	Pioneer	64.1	44	1	38	20.03	78
8575	Coker	63.8	7	12	31	16.73	87
3187	Pioneer	63.3	28	3	35	20.57	92
1827	Sunbelt	62.3	32	12	39	20.77	87
3165	Pioneer	61.7	55	0	38	22.30	91
8990	Cargill Seeds	56.9	35	5	37	21.57	92
1882	Sunbelt	56.6	16	5	36	22.73	96
G-4868	Funk's	56.1	26	3	37	24.90	98
PX 79	New Northrup King	55.0	17	5	33	17.37	87
8951	Cargill Seeds	54.1	30	16	35	19.00	98
9990	Cargill Seeds	53.7	42	8	38	24.47	78
5613	Sunbelt	52.8	16	16	34	18.60	87
PX 95	New Northrup King	48.7	41	7	44	20.93	87
1860	Sunbelt	48.2	33	3	34	21.27	91
CX 6801	Coker	46.8	75	8	42	21.80	91
9427	Cargill Seeds	46.4	60	3	37	21.47	91
3147	Pioneer	44.5	26	10	40	24.10	69
3295	Pioneer	43.5	39	8	35	18.63	80
1876	Sunbelt	43.2	8	3	43	21.27	82
8400	Jacques	40.5	35	16	37	20.97	83
7800	McCurdy	25.1	35	16	36	19.43	82
6131	Mississippi	20.9	64	14	46	20.77	83
Overall Mean.....		63.3					
LSD @ .10.....		28.3					
Standard Error of Mean.....		12.1					
Error Degrees of Freedom.....		84					
CV %.....		38.1					

TABLE 8B. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES South Mississippi Branch (Poplarville) with a LOW Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
McNair 508	New Northrup King	103.8	25	10	43	25.80	107
DK789	Dekalb	89.0	7	10	39	21.40	115
5750	Deltapine	88.1	10	2	34	19.70	105
8967	Cargill Seeds	82.2	12	20	39	22.27	115
888	AgraTech	80.9	10	2	34	19.33	120
RX905	Asgrow	76.9	10	12	32	18.73	102
G-4666	Funk's	76.2	12	10	33	19.60	102
PX 95	New Northrup King	75.4	20	7	40	23.37	105
1860	Sunbelt	74.7	27	0	38	22.73	100
DK711	Dekalb	73.4	25	0	35	20.87	95
G-4543	Funk's	73.0	15	2	30	18.70	107
DK689	Dekalb	72.4	10	2	38	20.80	102
8905	Coker	72.3	5	0	31	24.40	112
1827	Sunbelt	70.1	10	22	36	20.00	100
3187	Pioneer	68.7	22	0	32	19.80	97
3165	Pioneer	66.5	32	5	33	21.87	97
1882	Sunbelt	63.2	12	2	36	23.27	95
3147	Pioneer	62.9	10	5	34	25.13	87
9990	Cargill Seeds	62.2	37	0	37	24.07	92
3144w	Pioneer	62.2	10	0	33	20.80	90
5615	Sunbelt	62.1	10	5	34	21.60	95
7800	McCurdy	62.0	12	25	38	18.57	100
CX 5067	Coker	61.1	10	5	34	17.13	85
8400	Jacques	60.9	12	22	43	17.87	85
G-4743	Funk's	58.7	15	2	36	20.73	100
GK 850	AgraTech	58.6	7	2	31	19.23	102
CX 6801	Coker	56.5	40	17	35	23.77	100
9427	Cargill Seeds	56.4	22	5	38	22.53	82
8951	Cargill Seeds	53.0	17	12	36	22.43	95
8990	Cargill Seeds	50.8	25	5	33	21.00	95
3295	Pioneer	48.6	27	2	34	18.33	85
1802	Sunbelt	48.4	7	10	36	16.67	102
8625	Coker	48.4	12	0	30	18.73	87
G-4868	Funk's	47.3	7	0	38	22.90	110
1876	Sunbelt	45.2	67	10	43	25.13	90
3320	Pioneer	43.4	27	15	36	19.63	85
8575	Coker	43.3	10	10	32	16.93	85
3110	Pioneer	40.6	25	7	32	21.17	90
Sx 352	Cargill Seeds	39.7	42	5	35	15.53	82
5613	Sunbelt	38.1	5	7	30	18.90	85
PX 9581	New Northrup King	30.7	30	27	32	18.13	85
PX 79	New Northrup King	27.8	35	7	29	17.87	82
6131	Mississippi	26.2	47	20	41	21.63	85
Overall Mean.....		60.5					
LSD @ .10.....		NS					
Standard Error of Mean.....		14.0					
Error Degrees of Freedom.....		84					
CV %.....		46.2					

Table 9A. Summary of performance of 43 hybrids grown at Area 2 with a HIGH plant population in the 1987 Mississippi Corn Hybrid Trials.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
G-4666	Funk's	125.6	1	0	41	18.5	98
SX 352	Cargill Seeds	118.9	0	0	50	21.13	91
3110	Pioneer	110.0	7	0	44	19.22	92
GK 850	AgraTech	109.2	3	2	41	17.83	93
3187	Pioneer	108.6	9	1	44	18.20	94
DK789	Dekalb	108.3	7	2	45	20.00	95
DK689	Dekalb	108.3	7	4	44	17.76	94
888	AgraTech	108.2	8	0	42	18.25	91
3165	Pioneer	105.7	18	0	45	19.44	95
PX 9581	New Northrup King	105.0	3	2	42	18.36	93
8967	Cargill Seeds	104.8	1	1	43	19.55	102
3144w	Pioneer	104.8	9	0	46	18.83	92
5750	Deltapine	104.5	4	0	42	16.93	87
G-4868	Funk's	103.6	8	1	46	21.62	95
RX905	Asgrow	103.4	8	6	46	17.93	88
9427	Cargill Seeds	103.2	20	1	46	18.85	94
McNair 508	New Northrup King	102.9	7	4	53	21.59	97
1802	Sunbelt	102.8	3	2	42	17.12	90
8400	Jacques	102.4	13	5	44	19.76	92
G-4543	Funk's	101.9	4	0	41	17.82	95
8690	Coker	101.2	2	7	39	18.34	93
5613	Sunbelt	100.9	5	7	43	17.94	93
3295	Pioneer	100.2	13	2	43	17.61	89
CX 6801	Coker	100.1	25	4	45	20.21	94
8625	Coker	99.4	5	0	40	17.89	98
PX 79	New Northrup King	99.4	6	1	42	17.16	92
G-4743	Funk's	99.1	5	0	42	19.58	88
DK711	Dekalb	99.0	7	1	40	19.43	92
5615	Sunbelt	98.5	5	2	39	19.27	95
1860	Sunbelt	98.4	11	3	43	19.11	92
8905	Coker	98.0	5	0	44	21.55	89
1827	Sunbelt	97.6	10	6	42	19.17	95
3320	Pioneer	97.5	16	2	42	18.08	82
8575	Coker	97.3	2	5	38	17.02	89
8951	Cargill Seeds	96.1	10	5	44	18.89	92
8990	Cargill Seeds	95.5	11	1	46	17.66	98
3147	Pioneer	94.0	9	5	45	19.57	88
7800	McCurdy	91.0	11	5	43	18.69	92
PX 95	New Northrup King	90.7	14	12	50	19.69	90
1876	Sunbelt	90.1	3	1	52	19.78	89
1882	Sunbelt	87.9	5	1	45	20.41	95
9990	Cargill Seeds	83.2	14	3	45	20.49	89
6131	Mississippi	61.2	21	20	51	18.90	86
Overall Mean.....		100.2					
LSD @ .10.....		NS					
Standard Error of Mean.....		8.0					
Error Degrees of Freedom.....		252.0					
CV %.....		23.9					

Table 9B. Summary of performance of 43 hybrids grown at Area 2 with a LOW plant population in the 1987 Mississippi Corn Hybrid Trials.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
SX 352	Cargill Seeds	111.2	0	0	53	20.67	105
3165	Pioneer	109.7	10	1	42	20.31	108
G-4666	Funk's	107.7	4	3	42	18.35	105
DK789	Dekalb	106.7	2	3	45	20.61	110
PX 95	New Northrup King	105.2	6	6	48	20.13	105
DK711	Dekalb	105.1	9	0	40	19.04	104
DK689	Dekalb	104.9	3	0	45	18.70	106
7800	McCurdy	104.4	4	8	43	19.19	105
9427	Cargill Seeds	103.3	7	1	46	19.78	99
5750	Deltapine	102.5	3	0	40	18.49	105
3187	Pioneer	102.5	7	0	42	18.61	107
8967	Cargill Seeds	102.4	4	6	43	20.50	112
RX905	Asgrow	101.7	3	6	42	17.37	105
1827	Sunbelt	101.7	3	11	41	19.21	104
888	AgraTech	101.5	3	0	41	18.42	110
G-4543	Funk's	100.9	5	0	40	17.68	105
1802	Sunbelt	99.7	2	3	42	17.86	101
3144w	Pioneer	99.5	9	0	44	19.70	101
CX 6801	Coker	99.3	14	6	43	21.68	103
8905	Coker	99.3	1	0	42	23.36	108
GK 850	AgraTech	98.9	2	0	41	18.39	104
1860	Sunbelt	98.7	9	0	44	21.03	102
McNair 508	New Northrup King	97.8	8	4	50	22.83	107
G-4743	Funk's	97.8	5	0	43	20.01	102
8690	Coker	97.6	3	2	42	17.37	100
3320	Pioneer	97.5	10	5	41	18.33	100
3147	Pioneer	97.3	3	2	41	20.23	97
8400	Jacques	97.0	4	8	44	18.62	98
3295	Pioneer	96.6	9	0	42	17.60	102
8990	Cargill Seeds	95.9	9	1	43	19.28	101
3110	Pioneer	94.4	8	2	42	20.06	101
8625	Coker	93.8	4	0	40	17.75	100
G-4868	Funk's	93.5	2	0	46	21.33	107
8951	Cargill Seeds	93.4	5	4	44	19.79	104
5613	Sunbelt	93.2	2	2	43	17.74	99
PX 9581	New Northrup King	92.4	10	9	40	18.09	100
9990	Cargill Seeds	91.2	12	0	43	24.17	102
5615	Sunbelt	87.7	3	3	42	19.04	101
1882	Sunbelt	87.6	4	0	45	22.09	102
1876	Sunbelt	87.0	22	4	49	21.14	100
PX 79	New Northrup King	80.8	12	2	42	16.80	99
8575	Coker	78.1	3	5	40	16.57	96
6131	Mississippi	56.4	17	26	50	19.74	97
Overall Mean.....		96.8					
LSD @ .10.....		NS					
Standard Error of Mean.....		7.9					
Error Degrees of Freedom.....		252.0					
CV %.....		24.4					

TABLE 10A. Three-year (1985-86-87) average performance of 15 hybrids grown in Area 2 in the Mississippi corn hybrid trials.*

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3187	Pioneer	84.8	6	3	40	06.0	89
3165	Pioneer	83.0	9	5	40	17.4	91
8400	Jacques	80.7	6	15	40	17.3	90
3320	Pioneer	79.8	14	8	38	15.8	85
PX 9581	Northrup King	77.3	2	12	38	16.5	89
1860	Sunbelt	75.1	5	12	40	17.8	90
8625	Coker	75.0	4	4	36	16.0	87
1802	Sunbelt	74.3	1	13	38	15.5	87
1827	Sunbelt	73.5	5	18	39	17.2	92
1876	Sunbelt	73.3	11	8	47	18.6	89
3147	Pioneer	69.7	6	21	42	17.1	86
9990	Cargill	69.3	8	5	43	19.2	95
8905	Coker	68.7	3	6	40	19.5	88
8990	Cargill	62.7	8	18	42	15.7	92
6131	Mississippi	46.5	15	30	47	17.5	85

* 1985-86 planting rate = 22,000 1987 planting rate = 24,000

TABLE 10B. Three-year (1985-86-87) average performance of 15 hybrids grown in Area 2 in the Mississippi corn hybrid trials.*

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3165	Pioneer	92.7	9	8	40	17.7	100
3320	Pioneer	80.2	13	7	39	16.2	96
3187	Pioneer	76.7	7	5	39	16.3	99
1827	Sunbelt	74.3	3	19	38	17.1	98
1860	Sunbelt	74.3	5	5	42	18.6	94
8400	Jacques	74.2	5	13	40	16.6	95
1802	Sunbelt	73.4	1	9	38	16.3	96
9990	Cargill	73.2	10	5	43	21.0	95
3147	Pioneer	72.8	4	19	40	17.3	94
8625	Coker	72.5	4	1	37	16.6	98
PX9581	Northrup King	72.0	5	16	38	16.2	96
1876	Sunbelt	69.4	14	7	46	19.1	98
8990	Cargill	65.4	8	19	41	16.4	96
8905	Coker	65.3	3	7	37	19.2	93
6131	Mississippi	49.5	17	34	46	17.2	92

* 1985-86 planting rate = 16,000 1987 planting rate = 18,000

TABLE 11A. Results of the 1987 Mississippi Corn Hybrid Trials at the MAFES Delta Branch (Stoneville) with a HIGH Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
GK 850	AgraTech	178.7	0	3	48	14.73	119
S 7759	New Northrup King	176.1	0	0	50	14.40	133
3165	Pioneer	173.9	0	0	50	17.67	125
7993	Cargill	173.2	0	0	48	15.00	121
RA 1502	Funk's	172.3	0	7	50	15.53	123
9427	Cargill	169.6	0	7	52	16.27	123
ORO 180	ORO	167.8	5	3	52	14.30	126
3020	Coker	167.8	0	8	48	15.47	123
888	AgraTech	166.4	0	0	48	14.90	121
CX 5059	Coker	166.3	0	0	47	14.60	119
2570	Asgrow	166.3	10	1	49	14.20	123
5750	Deltapine	166.2	0	1	46	14.53	123
SX 352	Cargill	165.4	0	1	52	14.40	126
G-4733	Funk's	165.2	0	3	51	16.83	126
PX 9540	New Northrup King	163.9	0	0	47	14.53	126
G-4666	Funk's	163.3	0	1	50	14.87	123
GK 750	AgraTech	163.1	0	0	48	14.43	130
3320	Pioneer	162.2	1	5	49	14.53	126
DK711	Dekalb	162.1	5	5	50	16.73	117
S 8645	New Northrup King	160.8	0	0	48	14.67	119
CX 5053	Coker	160.1	0	3	47	16.30	125
ORO 150	ORO	160.0	0	7	49	13.97	126
7990	Cargill	159.5	0	8	50	13.87	123
3344	Asgrow	158.7	0	5	48	14.03	125
DK789	Dekalb	158.5	0	5	48	17.27	123
5615	Sunbelt	157.4	0	3	50	15.27	125
RX905	Asgrow	157.2	0	10	50	14.47	125
3147	Pioneer	157.1	5	12	52	15.27	117
7800	McCurdy Seeds	157.1	0	3	51	15.93	119
3144w	Pioneer	156.2	0	8	54	16.83	130
G-4743	Funk's	155.8	0	7	51	17.00	123
1827	Sunbelt	154.9	0	8	52	15.63	125
8625	Coker	153.9	0	1	48	14.60	125
1802	Sunbelt	153.8	0	10	47	16.13	117
8400	Jacques	153.8	0	14	49	16.73	121
PX 9581	New Northrup King	153.7	0	12	49	15.00	121
8990	Cargill	152.7	0	5	51	16.23	128
DK689	Dekalb	151.6	0	3	50	14.50	117
8696	Coker	151.1	1	7	54	15.47	121
CX 6801	Coker	150.2	0	12	55	18.53	121
G-4868	Funk's	149.7	0	1	54	18.40	123
1876	Sunbelt	149.1	1	7	59	19.67	123
3389	Pioneer	148.5	0	0	49	14.27	123
5509	Asgrow	148.3	0	8	50	15.97	121
8690	Coker	147.7	0	1	47	14.77	125
3110	Pioneer	147.6	1	8	49	15.40	123
8575	Coker	147.6	5	1	43	13.97	119
8951	Cargill	147.2	0	8	51	15.60	132
7877	Cargill	142.4	3	5	45	13.93	128

(Continued)

TABLE 11A (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
1882	Sunbelt	141.2	0	1	55	18.33	125
1860	Sunbelt	140.3	0	8	53	16.97	123
3295	Pioneer	140.2	1	7	47	14.07	112
8967	Cargill	140.2	0	1	54	15.47	119
PX 79	New Northrup King	139.0	0	7	50	13.17	117
G-4543	Funk's	138.9	0	1	47	14.40	125
5613	Sunbelt	136.3	5	10	52	14.30	125
McNair 508	New Northrup King	135.5	1	16	57	19.53	126
8905	Coker	134.9	0	1	52	19.63	128
21	Coker	133.8	12	12	54	15.80	128
9990	Cargill	131.5	0	5	50	19.00	117
8601	Coker	131.1	0	7	39	13.90	125
3187	Pioneer	127.5	10	3	51	14.73	126
PX 95	New Northrup King	126.9	0	33	57	15.27	128
G-4858	Funk's	117.8	10	21	47	15.30	121
6131	Mississippi	76.3	5	46	57	16.00	98
Overall Mean.....		152.0					
LSD @ .10.....		22.8					
Standard Error of Mean.....		9.7					
Error Degrees of Freedom.....		128					
CV %.....		12.8					

TABLE 12A. Results of the 1987 Mississippi Corn Hybrid Trials at Mississippi State University (Starkville) with a HIGH Corn Population.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3165	Pioneer	150.4	0	5	39	19.53	128
SX 352	Cargill	131.0	0	1	41	15.80	133
RX905	Asgrow	130.8	0	12	42	16.57	135
S 8645	New Northrup King	129.5	0	3	37	16.77	123
RA 1502	Funk's	126.9	0	1	40	16.60	130
GK 850	AgraTech	126.3	0	1	37	18.40	130
PX 9581	New Northrup King	126.3	1	3	43	15.63	126
GK 750	AgraTech	125.2	0	0	37	17.63	132
CX 5053	Coker	124.7	0	0	39	16.40	121
ORO 180	ORO	124.5	0	8	41	15.37	133
3320	Pioneer	122.8	0	3	40	15.87	132
CX 5059	Coker	120.7	0	0	32	15.77	128
3187	Pioneer	120.3	0	1	38	16.87	123
21	Coker	120.0	0	5	40	16.73	121
1860	Sunbelt	120.0	0	1	41	20.97	125
3110	Pioneer	119.6	0	3	41	16.50	135
1802	Sunbelt	119.4	0	7	39	17.53	128
5750	Deltapine	118.8	0	16	41	16.23	126
3020	Coker	118.7	0	1	37	18.30	130
8967	Cargill	117.9	0	1	37	18.27	121
8601	Coker	117.5	0	3	33	15.03	130
888	AgraTech	117.5	0	7	37	16.70	117
9427	Cargill	116.9	0	3	39	17.30	116
8696	Coker	115.9	0	0	38	18.37	119
CX 6801	Coker	115.0	0	8	40	18.93	123
5615	Sunbelt	113.9	0	0	39	16.77	123
8905	Coker	113.6	0	1	40	20.87	128
5613	Sunbelt	113.5	0	7	38	15.43	130
3344	Asgrow	112.7	0	3	39	15.37	130
8951	Cargill	112.5	0	5	39	17.10	125
9990	Cargill	110.7	0	1	44	21.40	101
G-4743	Funk's	110.5	0	0	34	18.57	110
8990	Cargill	110.3	0	1	39	18.20	123
3144w	Pioneer	110.2	0	0	42	17.83	114
7800	McCurdy Seeds	110.1	0	3	41	16.33	119
G-4733	Funk's	108.4	0	0	36	17.40	116
G-4666	Funk's	108.4	0	7	37	16.83	130
1876	Sunbelt	107.8	0	7	50	17.03	112
McNair 508	New Northrup King	107.4	0	10	45	20.73	125
1827	Sunbelt	105.5	0	12	42	16.50	117
7877	Cargill	105.2	0	5	39	15.20	132
7993	Cargill	105.1	0	0	33	16.00	130
1882	Sunbelt	104.6	0	0	49	19.60	126
G-4858	Funk's	104.2	1	7	41	16.87	117
PX 79	New Northrup King	104.0	0	7	33	14.53	112
ORO 150	ORO	102.3	0	0	37	15.60	130
3147	Pioneer	102.1	0	12	40	15.80	128
3295	Pioneer	102.1	0	0	31	15.97	105
2570	Asgrow	101.7	0	5	37	15.67	132

(Continued)

TABLE 12A (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height %	Moisture %	Stand @ Harvest %
PX 95	New Northrup King	101.1	0	25	41	17.43	125
3389	Pioneer	100.5	0	0	33	17.23	112
5509	Asgrow	98.7	0	7	35	16.97	121
8690	Coker	98.7	0	14	37	15.43	110
DK711	Dekalb	98.5	0	1	35	16.97	119
DK689	Dekalb	95.9	0	3	37	15.30	128
8575	Coker	94.6	0	1	38	15.17	128
G-4868	Funk's	94.5	0	0	39	18.13	130
7990	Cargill	93.7	0	3	36	15.70	121
8400	Jacques	93.2	0	3	37	16.13	123
G-4543	Funk's	92.3	0	0	32	16.87	132
S 7759	New Northrup King	90.3	0	0	33	15.90	128
DK789	Dekalb	90.3	0	3	38	17.73	121
6131	Mississippi	84.5	8	71	46	15.20	108
PX 9540	New Northrup King	80.9	0	0	31	16.30	112
8625	Coker	76.2	0	0	34	18.17	133
Overall Mean.....		110.0					
LSD @ .10.....		NS					
Standard Error of Mean.....		11.7					
Error Degrees of Freedom.....		128					
CV %.....		21.4					

Table 13. Summary of performance of 65 hybrids grown at Area 3 with a HIGH plant population in the 1987 Mississippi Corn Hybrid Trials.

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
3165	Pioneer	162.1	0	2	44	18.60	126
GK 850	AgraTech	152.5	0	2	42	16.56	125
RA 1502	Funk's	149.6	0	4	45	16.07	126
SX 352	Cargill	148.2	0	1	46	15.10	130
ORO 180	ORO	146.2	2	6	46	14.84	130
S 8645	New Northrup King	145.2	0	1	42	15.72	121
GK 750	AgraTech	144.2	0	0	42	16.03	131
RX905	Asgrow	144.0	0	11	46	15.52	130
CX 5059	Coker	143.5	0	0	39	15.19	124
9427	Cargill	143.3	0	5	45	16.79	119
3020	Coker	143.2	0	5	42	16.88	126
3320	Pioneer	142.5	0	4	44	15.20	129
5750	Deltapine	142.5	0	8	43	15.38	125
CX 5053	Coker	142.4	0	1	43	16.35	123
888	AgraTech	142.0	0	3	42	15.80	119
PX 9581	New Northrup King	140.0	0	8	46	15.31	124
7993	Cargill	139.1	0	0	40	15.50	125
G-4733	Funk's	136.8	0	1	43	17.11	121
1802	Sunbelt	136.6	0	8	43	16.83	123
G-4666	Funk's	135.8	0	4	43	15.85	126
3344	Asgrow	135.7	0	4	43	14.70	127
5615	Sunbelt	135.7	0	1	44	16.02	124
2570	Asgrow	134.0	5	3	43	14.94	127
7800	McCurdy Seeds	133.6	0	3	46	16.13	119
3110	Pioneer	133.6	0	6	45	15.95	129
8696	Coker	133.5	0	3	46	16.92	120
S 7759	New Northrup King	133.2	0	0	41	15.15	131
3144w	Pioneer	133.2	0	4	48	17.33	122
G-4743	Funk's	133.1	0	3	42	17.79	116
CX 6801	Coker	132.6	0	10	47	18.73	122
8990	Cargill	131.5	0	3	45	17.22	125
ORO 150	ORO	131.2	0	3	43	14.79	128
DK711	Dekalb	130.3	2	3	42	16.85	118
1827	Sunbelt	130.2	0	10	47	16.06	121
1860	Sunbelt	130.2	0	5	47	18.97	124
8951	Cargill	129.8	0	7	45	16.35	128
3147	Pioneer	129.6	2	12	46	15.54	123
8967	Cargill	129.0	0	1	45	16.87	120
1876	Sunbelt	128.4	0	7	54	18.35	117
21	Coker	126.9	6	8	47	16.26	125
7990	Cargill	126.6	0	6	43	14.79	122
5613	Sunbelt	124.9	2	8	45	14.87	127
3389	Pioneer	124.5	0	0	41	15.75	117
DK789	Dekalb	124.4	0	4	43	17.50	122
8601	Coker	124.3	0	5	36	14.47	127
8905	Coker	124.2	0	1	46	20.25	128
3187	Pioneer	123.9	5	2	44	15.80	125
7877	Cargill	123.8	1	5	42	14.56	130
DK689	Dekalb	123.8	0	3	43	14.90	123

(Continued)

TABLE 13 (continued).

Hybrid Number	Brand Name	Yield bu/a	Root Lodging %	Stalk Lodging %	Ear Height in	Moisture %	Stand @ Harvest %
5509	Asgrow	123.5	0	8	42	16.47	121
8400	Jacques	123.5	0	8	43	16.43	122
8690	Coker	123.2	0	8	42	15.10	117
1882	Sunbelt	122.9	0	0	52	18.97	125
PX 9540	New Northrup King	122.4	0	0	39	15.42	119
G-4868	Funk's	122.1	0	0	46	18.27	126
PX 79	New Northrup King	121.5	0	7	41	13.85	115
McNair 508	New Northrup King	121.5	0	13	51	20.13	125
3295	Pioneer	121.1	0	3	39	15.02	108
9990	Cargill	121.1	0	3	47	20.20	109
8575	Coker	121.1	2	1	40	14.57	124
G-4543	Funk's	115.6	0	0	39	15.63	128
8625	Coker	115.1	0	0	41	16.38	129
PX 95	New Northrup King	114.0	0	29	49	16.35	126
G-4858	Funk's	111.0	6	14	44	16.08	119
6131	Mississippi	80.4	7	58	51	15.60	103
Overall Mean.....		131.0					
LSD @ .10.....		20.65					
Standard Error of Mean.....		8.8					
Error Degrees of Freedom.....		256.0					
CV %.....		16.5					

1987 Mississippi Corn Survey
(as reported by the company)

Seed Company	Hybrid	Days to Maturity	Grain Texture ¹	MDMV Resistance ²	MCDV
Agra Tech Seeds, Inc. Post Office Box 644 Ashburn, GA 31714	GK 850	110	M	S	S
	GK 750	105	M	S	S
	888	114	M	S	S
Asgrow Seed Company 7000 Portage Road Kalamazoo, MI 49001	RX 798	111	H		
	3344	109	M	MR	
	5509	119	M	S	S
	2570	112	H		
	RX 860	113	M-H	S	S
	RX 892	115	M-H	S	S
	RX 905	119	H	S	S
Cargill Hybrid Seeds Box 5645 Minneapolis, MN 55440	7877	115	M	S	S
	7993	115	M	S	S
	7990	118	M	S	S
	SX 352	117	M	S	S
	8967	118	M	S	S
	8990	122	M	S	S
	8951	122	M	S	S
	9427	123	M	S	S
	9990	125	M-H	S	S
Coker's Pedigreed Seed Company Post Office Box 2629 West Memphis, AR 72301	8575	97	M	S	S
	8601	100	M	S	S
	CX 6801 (Exp.)	123		S	S
	8625	105	M	S	S
	8690	112		S	S
	8696	112	M	R	R
	21	112	M	S	S
	3020	105	M	S	S
	8905	125	H	S	S
	CX 5053 (Exp.)	105	M	S	S
	CX 5059 (Exp.)	112	M	S	S
Dekalb-Pfizer Genetics 3100 Sycamore Road Dekalb, IL 60115	DK 711	121	H		
	DK 689	118	H	R	MR
	DK 789	126	M	R	MR
Delta and Pine Land Company Post Office Box 157 Scott, MS 38772	Deltapine 5750	118	M	R	R

(Continued)

1987 Mississippi Corn Survey (continued).

Seed Company	Hybrid	Maturity	Grain Texture ¹	MDMV Resistance ²	MCDV
Funk Seed International 1600 Susek Drive Pineville, LA 71360	G 4543	110	M		
	G 4733	120	M		
	G 4666	110	M	R	R
	G 4743	120	M	R	R
	G 4858	135	M	R	R
	G 4868	135	M	R	R
	RA 1502	115	M		
Jacques Prescott, WI 54021-1499	8400	125	M	MR	MR
McCurdy Seed Company East Main Street Fremont, IA 52561	7800	110	H	MR	
The New Northrup King Route 2, Box 200 Highland, IL 62249	S7759	107	M	S	S
	S8645	115	H	MR	MR
	PX 9540	114	M-H	S	S
	PX 79	115	M-H	MR	MR
	PX 9581	118	M-H	S	S
	PX 95	120	M	MR	MR
	McNair 508	130	H	MR	
Pioneer Hi-Bred International Eastern Division 1000 West Jefferson Street Tipton, IN 46072	Pioneer 3165	126	M-H	S	S
	Pioneer 3147	126	M-S	MR	MR
	Pioneer 3187	121	M-H	MR	MR
	Pioneer 3389	111	M-H	S	S
	Pioneer 3320	119	H	S	S
	Pioneer 3295	113	M	S	S
	Pioneer 3110	122	M-H	S	S
	Pioneer 3144w	121	M-H	S	S
Terral-Norris Seed Company Post Office Box 826 Lake Providence, LA 71254	Sunbelt 1802	105		S	
	Sunbelt 1827	110		S	
	Sunbelt 1860	120		MR	
	Sunbelt 1876	135		S	
	Sunbelt 1882	130	H	S	S
	Sunbelt 5615	100	M	S	S
	Sunbelt 5613	105	M	S	S
R. C. Young Seed Company 624 27th Street Lubbock, TX 79404	ORO 150		H		
	ORO 180		H		

¹M = Medium, H = Hard, S = Susceptible, R = Resistant, MR = Moderately Resistant

²MDMV - Maize Dwarf Mosaic Virus

MCDV - Maize Dwarf Chlorotic Virus (corn stunt)

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**Hatch Act Centennial
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