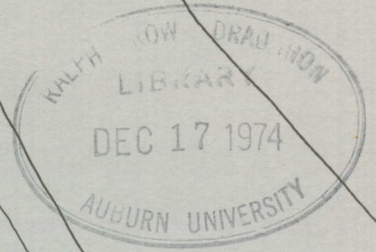


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A detailed line drawing of corn plants, showing several long, pointed leaves and two cobs of corn. The cobs are positioned diagonally across the page, with one in the upper left and another in the lower left. The leaves are layered, creating a sense of depth and texture.

# Performance of Corn Hybrids in Alabama 1974



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## Performance of Corn Hybrids in Alabama, 1974

David H. Teem<sup>1/</sup>

Corn performance tests were conducted at 13 locations by the Auburn University Agricultural Experiment Station in 1974. These tests are conducted annually to determine relative production of many hybrids offered for sale and to furnish unbiased information by which growers may choose hybrids. They are designed to permit a comparison of hybrids entered in each test and are not intended for use as an absolute measure of the yielding potential of a hybrid in an area. Careful consideration should be given to all performance characteristics when choosing a hybrid since the proper choice may mean the difference between profit and loss.

High yields were obtained at most locations in 1974. Yields of more than 100 bushels per acre were obtained at 9 of the 13 locations. A bacterial blight was unusually severe on corn in several areas of Alabama this season. Several farmers' fields were severely damaged; however, the incidence was too low in the performance tests to give meaningful comparisons of resistance.

Location of the tests and cultural practices used are shown in Table 1. Lime and fertilizer were applied in adequate amounts. For weed control either chemical, mechanical, or a combination were used as needed. The experimental design was a split-block with four replications. Yields were adjusted to 15.5 percent moisture and 56 pounds per bushel. Stalks broken below the ear or leaning more than 45 degrees were considered lodged. Ear rot, earworm damage, size of ear and grain, and luster of grain were considered in rating ear and grain quality. Height of ears was measured

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from ear base to the ground level. Husks were rated by tightness and extension beyond the tip of the ear.

Regional averages for 3, 2, and 1 years in northern Alabama are presented in Tables 2, 3, and 4, respectively. Table 5 shows yields by location and regional average yields for 1-5 years in northern Alabama. Similar data are shown for central Alabama in Tables 6-9 and for southern Alabama in Tables 10-13.

Results from preliminary tests are shown in Tables 16-18. If a hybrid is outstanding in these preliminary tests it is advanced to the regular testing program the following year.

A corn performance test was planted at the Black Belt Substation Table 15. Corn acreage in this area has declined in recent years. One cause has been the lack of hybrids resistant to the corn virus complex of maize dwarf mosaic virus (MDMV) and maize chlorotic dwarf virus (MCDV). This area of Alabama has an extremely high infestation of johnsongrass which is a reservoir host of both viruses. There are several hybrids on the market which are tolerant to this complex; however, none are immune. High yields were obtained in the Black Belt test; however, a meaningful evaluation of resistance or susceptibility of the hybrids was not possible due to a low incidence of MDMV and MCDV in the test. However, there was a high incidence of MDMV and MCDV at Camp Hill this season. Ratings were made and are shown in Table 8. Ratings were made by Dr. R. T. Gudauskas, Department of Botany and Microbiology.

The average yield of corn hybrids planted in 30-inch rows and irrigated at Camden was approximately three times higher than the same hybrids planted in 38-inch rows and not irrigated, Table 14. This was an usually dry season at this location and although some of the yield increase may be attributed to row spacing and plant population, most of the response was due to irrigation.

When comparing hybrids, small differences in yield may not be real differences between hybrids but may result from variation in the plots and testing procedures. To aid in determining real differences between hybrids a statistical procedure, analysis of variance, was performed on data from each location. The L.S.D. (least significant difference) is given for yield at each location.

Long term averages are more reliable when choosing a hybrid for an area. Three years results are considered sufficient to give a good measure of the performance of hybrids. A composite rating system was used to determine the list of acceptable hybrids. The northern, central or southern Alabama regional average yield of a hybrid was used as its base point. The composite score was obtained by subtracting values for lodging, quality, and height of ears from its yield. The value subtracted for each characteristic was proportional to the numerical value shown for the characteristic in Tables 2, 6, and 10. Although those hybrids that have a good record for 2 years in the regular test are included, and noted, on the acceptable list; when possible, data from 3 or more years are used in evaluating the hybrids.

All of the acceptable hybrids are not equal in performance. Some are outstanding in one or more characteristics. Others may not be outstanding in any one characteristic, but possess a satisfactory combination of characteristics. For these reasons, it is suggested that this report be carefully studied before choosing a corn hybrid to plant in 1975.

#### ACKNOWLEDGMENT

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A special thanks is expressed to Mr. Marvin Ruf, Research Data Analysis, for the computation and statistical analysis of the data in this report.

Table 1. Location and Cultural Practices in 1974 Tests.

Location	Planting date	Nitrogen rate (lb/A)	Row width (in.)	Plant Population (thousand)
<u>Northern Alabama</u>				
Tennessee Valley Substation (Belle Mina) . . .	.4/29	110	42	15
Sand Mountain Substation (Crossville) . . .	.4/19	170	42	23
Upper Coastal Plain Substation (Winfield) . . .	.4/24	160	40	19
<u>Central Alabama</u>				
Main Station (Auburn) . . . . .	.5/9	120	40	19
Lower Coastal Plain Substation (Camden) . . .				
Irrigated . . . . .	.4/24	160	30	20
Unirrigated . . . . .	.4/25	130	38	13
Piedmont Substation (Camp Hill) . . . . .	.5/2	140	40	14
Prattville Experiment Field (Prattville) . . .	.5/7	130	42	16
Plant Breeding Unit (Tallassee) . . . . .	.4/17	120	40	17
Black Belt Substation (Marion Junction) . . .	.4/19	170	36	18
<u>Southern Alabama</u>				
Brewton Experiment Field (Brewton) . . . . .	.5/6	120	36	19
Monroeville Experiment Field (Monroeville) . .	.4/22	120	42	17
Wiregrass Substation (Headland) . . . . .	.4/18	120	36	15
Gulf Coast Substation (Fairhope) . . . . .	.4/1	120	38	18



Table 2. Some Characteristics of Corn Varieties Tested Three Years in Northern Alabama 1972-1974

Brand name	Hybrid or variety	Yield per acre <sup>1/</sup> Bu.	Lodged stalks Pct.	Quality <sup>2/</sup> Rating	Ears per stalk No.	Height of ears Ft.	Shelling Pct.	Husk <sup>2/</sup> Rating
Pioneer	3147	120	3.8	2 3	1.0	4.2	83.3	2.7
Pioneer	3369A	119	5.0	1.9	1.0	3.7	92.7	2.4
McCurdy	67-14	117	4.4	1.9	1.0	3.9	79.9	2.1
Pioneer	3179	117	6.2	2.0	1.0	4.2	83.6	2.6
McCurdy	MSX 88	111	4.5	1.9	1.0	3.8	82.5	2.5
Pioneer	511A	108	10.5	2.3	1.1	4.2	81.9	1.8
Funk's	G-4762	106	4.6	2.3	1.0	3.8	84.3	1.9
McNair	S 338	105	6.0	2.4	1.0	3.9	81.2	2.1
Funk's	G-795W-1	105	14.0	2.5	1.1	4.1	30.7	1.9
Pennington	CHR-W	104	10.6	2.3	1.1	4.1	80.7	1.6
Funk's	G-4808	102	4.6	2.5	1.0	3.8	81.5	2.0
P.A.G.	644W	100	7.3	2.3	1.0	4.5	82.1	2.0
Funk's	G-5757	97	5.1	2.5	1.0	3.7	82.1	2.2
	Mosby	81	14.7	2.9	1.0	4.1	82.6	2.3

<sup>1/</sup>Yields adjusted to 15.5% moisture and 56 lb. per bushel.

<sup>2/1</sup> = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

Table 3. Some Characteristics of Corn Varieties Tested Two Years in Northern Alabama, 1973-1974

Brand name	Hybrid or variety	Yield per acre <sup>1/</sup> Bu.	Lodged stalks Pct.	Quality <sup>2/</sup> Rating	Ears per stalk No.	Height of ears Ft.	Shelling Pct.	Husk <sup>2/</sup> Rating
Pioneer	3369A	122	3.5	2.0	1.0	3.7	81.8	2.3
Pioneer	3147	120	2.8	2.3	1.0	4.3	83.5	2.6
McCurdy	67-14	118	2.5	2.1	1.0	3.8	80.0	2.0
Pioneer	3179	114	4.6	2.2	1.0	4.2	83.1	2.6
McNair	X300	109	2.1	2.1	1.0	3.7	80.7	2.0
Funk's	G-4762	108	3.5	2.4	1.0	3.8	84.0	1.3
McCurdy	MSX 88	108	3.8	2.0	1.0	3.7	81.5	2.1
Funk's	G-4864	107	2.5	2.2	0.9	4.4	82.9	1.7
Coker	16	106	3.9	2.4	1.0	3.5	83.2	2.7
McNair	S338	106	3.7	2.5	1.0	3.9	81.7	2.1
Pennington	CHR-W	106	9.1	2.4	1.1	4.1	80.3	1.6
Pioneer	511A	106	9.2	2.4	1.0	4.2	82.1	1.7
Funk's	G-795W-1	104	12.9	2.5	1.0	4.2	80.4	1.9
Funk's	G-4808	102	4.1	2.7	1.0	3.7	81.6	2.0
McNair	X210	98	3.4	2.2	0.9	3.5	79.8	1.9
P.A.G.	644W	98	6.0	2.5	0.9	4.5	82.4	1.9
Funk's	G-5757	96	4.4	2.5	1.0	3.7	81.7	2.2
	Mosby	80	13.2	2.8	1.0	4.1	82.7	2.3

<sup>1/</sup>Yields adjusted to 15.5% moisture and 56 lb. per bushel.

<sup>2/1</sup> = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

Table 4. Some Characteristics of Corn Varieties Tested in Northern Alabama 1974

Brand name	Hybrid or variety	Yield per acre <sup>1/</sup> Bu.	Lodged stalks Pct.	Quality <sup>2/</sup> Rating	Ears per stalk No.	Height of ears Ft.	Shelling Pct.	Husk <sup>2/</sup> Rating
McNair	73002	135	6.6	2.1	1.0	4.2	80.6	2.3
Pioneer	3147	134	4.3	2.4	1.0	4.4	84.2	2.4
Pioneer	3369A	133	5.0	2.0	1.0	3.8	82.1	2.4
DeKalb	XL80	129	6.0	1.8	1.0	3.8	79.4	2.2
McCurdy	67-14	126	3.2	2.5	0.9	4.0	79.4	1.7
DeKalb	XL380	124	7.7	2.2	1.0	3.7	78.7	2.3
McCurdy	72-73	123	3.3	2.5	1.0	4.2	80.4	2.0
McNair	S-338	122	4.5	2.8	0.9	4.1	81.5	2.3
McNair	X300	121	2.1	2.3	1.0	3.8	80.8	2.3
Funk's	G-4762	119	4.8	2.5	1.0	4.0	83.8	2.1
Pioneer	3179	118	5.8	2.5	0.9	4.3	82.3	2.5
McCurdy	MSX88	115	5.8	1.8	1.0	3.9	81.8	2.2
Funk's	G-4803	115	4.3	3.1	1.0	3.8	81.7	2.3
Funk's	G-4864	114	3.8	2.3	0.9	4.5	83.6	1.8
Coker	16	114	4.4	2.6	1.0	3.6	82.7	2.7
Funk's	G-795W-1	113	13.6	2.7	1.0	4.4	80.8	2.0
Pioneer	511A	113	13.3	2.4	1.0	4.2	83.6	1.5
Pennington	CHR-W	111	13.4	2.5	1.1	4.2	79.9	1.7
McNair	X210	110	4.6	2.5	1.0	3.7	78.5	2.1
Coker	56	110	3.0	2.5	1.0	4.3	82.9	1.7
P.A.G.	644W	106	8.6	2.6	0.9	4.6	82.3	1.8
Funk's	G-5757	100	4.6	2.7	1.0	3.8	80.5	2.3
	Mosby	84	14.9	2.9	1.0	4.0	81.7	2.1

<sup>1/</sup>Yields adjusted to 15.5% moisture and 56 lb. per bushel.

<sup>2/1</sup> = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

Table 5. 1974 Yield of Corn Varieties by Location and Regional Averages for 1-5 Years in Northern Alabama<sup>1/</sup>

Brand name	Hybrid or Variety	Belle Mina Bu.	Crossville Bu.	Winfield Bu.	Regional average yield per acre				
					1-year 1974 <sup>2/</sup> Bu.	2-year 1973-74 Bu.	3 year 1972-74 Bu.	4-year 1971-74 Bu.	5 year 1969-74 <sup>2/</sup> Bu.
Pioneer	511A	94	131	114	113	106	108	104	95
Funk's	G-795W-1	89	130	119	113	104	105	103	93
Funk's	G-4762	97	137	125	119	108	106	101	92
Funk's	G-5757	93	118	83	100	96	97	94	87
	Mosby	75	93	84	84	80	81	81	73
Pioneer	3147	102	142	157	134	120	120	117	
Pioneer	3369A	111	140	147	133	122	119	115	
McCurdy	67-14	89	144	144	126	118	117	115	
Pioneer	3179	114	132	109	118	114	117	112	
Pennington	CHR-W	90	118	126	111	106	104	103	
P.A.G.	644W	88	109	122	106	98	100	97	
McCurdy	MSX 83	119	114	112	115	108	111		
McNair	S 338	91	135	140	122	106	105		
Funk's	G-4808	88	123	133	115	102	102		
McNair	X300	97	138	127	121	109			
Funk's	G-4364	93	129	120	114	107			
Coker	16	101	121	120	114	106			
McNair	X210	87	125	118	110	98			
McNair	73002	105	143	156	135				
DeKalb	XL80	108	140	141	129				
DeKalb	XL380	100	137	135	124				
McCurdy	72-73	112	125	131	123				
Coker	56	88	118	123	110				
Test average		97	127	125	1/Yields adjusted to 15.5% moisture and 56				
L.S.D. (.05)		15	12	26	1b/bu.				
C.V. (%)		11.4	6.9	15.1	2/Does not include 1970 data.				

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Table 6. Some Characteristics of Corn Varieties Tested Three Years in Central Alabama, 1972-74.

Brand name	Hybrid or variety	Yield per acre <sup>1/</sup> Bu.	Lodged stalks Pct.	Quality <sup>2/</sup> Rating	Ears per stalk No.	Height of ears Ft.	Shelling Pct.	Husk <sup>2/</sup> Rating
Pioneer	3147	102	5.1	2.8	1.0	3.6	81.3	2.4
Pioneer	511A	97	9.3	2.2	1.1	3.7	80.0	1.8
Funk's	G-795W-1	95	10.1	2.2	1.1	3.6	80.3	1.8
McNair	508	91	3.9	1.9	1.2	4.0	80.9	2.0
Funk's	G-4762	89	3.2	2.1	1.0	3.1	83.3	2.1
Pioneer	3369A	89	3.9	2.5	1.0	3.2	81.0	2.7
Pioneer	3009	88	7.2	1.9	1.0	3.9	75.9	1.6
McCurdy	67-14	87	3.0	1.9	0.9	3.3	79.3	2.4
Funk's	G-5945	87	3.9	2.1	1.0	4.1	81.2	1.8
P.A.G.	751	85	6.5	1.9	1.2	4.2	80.0	1.7
Funk's	G-4949A	85	3.5	2.1	1.0	4.1	81.2	2.2
McNair	S-338	85	5.8	2.3	0.9	3.2	80.0	2.1
Pioneer	3030	84	4.1	2.0	1.1	3.8	77.0	1.4
Greenwood	45	83	6.9	2.0	1.1	3.5	79.5	1.9
Greenwood	471	82	9.9	1.8	1.1	4.1	79.8	1.5
-	Mosby	61	19.1	2.9	1.0	3.6	79.3	2.3

<sup>1/</sup>Yields adjusted to 15.5% moisture and 56 lb. per bushel.

<sup>2/1</sup> = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

Table 7. Some Characteristics of Corn Varieties Tested Two Years in Central Alabama, 1973-74

Brand name	Hybrid or Variety	Yield	Lodged	Quality <sup>2/</sup>	Ears	Height	Shelling	Husk <sup>2/</sup>
		per acre <sup>1/</sup> Bu.	stalks Pct.	Rating	per stalk No.	of ears Ft.		Pct.
Funk's	G-795W-1	92	8.7	2.2	1.1	3.8	80.1	1.8
Pioneer	3147	92	4.2	2.9	1.0	3.9	81.1	2.5
Pioneer	511A	91	9.3	2.2	1.1	3.8	80.0	1.8
Funk's	G-4762	84	3.9	2.3	1.0	3.3	83.1	2.2
Pioneer	3369A	82	5.6	2.7	1.0	3.3	81.7	2.7
Pioneer	3009	81	8.3	2.1	0.9	4.0	75.4	1.8
McCurdy	67-14	81	3.9	1.9	0.9	3.4	79.6	2.3
Funk's	G-5945	80	4.6	2.2	1.0	4.2	81.1	1.8
Coker	56	80	6.3	2.2	1.0	3.8	80.6	2.4
Funk's	G-4864	79	3.9	2.3	0.9	3.9	81.5	1.9
McNair	508	77	4.8	1.9	1.1	4.1	80.1	2.0
Funk's	G-4949A	77	4.6	2.2	0.9	4.2	80.9	2.3
McNair	S-338	75	7.8	2.7	0.9	3.4	79.9	2.3
P.A.G.	751	75	7.7	2.0	1.1	4.4	79.9	1.8
Pioneer	3030	75	4.7	2.0	1.0	3.9	76.2	1.5
Greenwood	45	74	8.8	2.1	1.0	3.6	79.1	1.9
DeKalb	1214	73	7.3	2.2	1.2	4.3	79.4	1.9
Greenwood	471	72	12.0	1.9	1.0	4.2	79.4	1.5
DeKalb	XL99	69	9.7	2.3	1.0	4.3	78.8	2.2
	Mosby	57	21.1	2.9	0.9	3.8	79.6	2.4

<sup>1/</sup>Yields adjusted to 15.5% moisture and 56 lb. per bushel.

<sup>2/1</sup> = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

Table 3. Some Characteristics of Corn Varieties Tested in Central Alabama, 1974

Brand name	Hybrid or variety	Yield per acre <sup>1/</sup> Bu.	Lodged stalks Pct.	Quality <sup>2/</sup> Rating	Ears per stalk No.	Height of ears Ft.	Shelling Pct.	Husk <sup>2/</sup> Rating	Virus Complex <sup>3/</sup> Pct.
McCurdy	72-24	97	22.9	2.1	1.1	4.1	84.1	1.6	18.2
Funk's	G-795W-1	92	9.3	2.4	1.0	3.6	79.1	2.0	0.0
Pioneer	3147	89	5.4	3.0	0.9	3.7	81.1	2.6	7.3
Pioneer	511A	88	10.3	2.3	1.0	3.7	79.2	1.8	2.5
Pennington	CHRW	85	10.8	2.3	1.0	3.6	79.7	1.9	11.1*
Funk's	G-4762	78	5.9	2.3	0.9	3.2	81.9	2.4	8.6
Coker	56	77	7.5	2.1	1.0	3.7	80.5	2.3	9.5
Pioneer	3009	77	7.6	2.1	0.9	3.9	72.2	1.9	5.6
Coker	77	76	4.5	2.1	0.9	4.0	79.4	2.1	40.5
Pioneer	3369A	76	7.2	2.8	0.9	3.1	81.7	2.8	52.4
McCurdy	67-14	75	4.9	2.0	0.8	3.3	78.5	2.4	0.0
Funk's	G-4949A	74	5.1	2.3	0.9	3.9	78.9	2.3	12.8
Funk's	G-4864	73	5.2	2.4	0.8	3.8	80.4	2.0	20.0
McNair	508	73	5.1	2.1	1.1	3.8	73.2	2.1	11.9
McNair	73002	72	9.2	3.0	0.9	3.4	78.1	2.9	53.8
Asgrow	RX115	72	8.5	2.1	0.8	3.4	79.7	2.5	4.9
McNair	S-333	72	9.0	2.7	0.9	3.3	78.7	2.5	38.5
Funk's	G-5945	72	4.1	2.2	0.9	3.9	79.3	1.8	2.5
Pioneer	3030	68	4.7	2.3	0.9	3.6	74.1	1.7	51.4
DeKalb	1214	68	6.7	2.3	1.1	3.9	78.5	1.8	5.9
Greenwood	45	67	9.5	2.3	1.0	3.2	77.5	2.0	30.8
P.A.G.	751	67	6.4	2.1	1.0	4.1	78.1	1.9	13.8
Asgrow	RX140	65	14.5	2.0	0.9	4.1	75.8	1.9	35.1
McNair	X-300	65	9.9	2.9	0.8	3.2	77.4	2.3	30.8
Greenwood	471	64	14.5	2.1	0.9	4.0	77.5	1.6	30.6
DeKalb	XL99	62	6.3	2.6	1.0	4.0	77.4	2.4	41.3
	Mosby	52	24.4	3.0	0.9	3.6	79.6	2.4	7.1

<sup>1/</sup>Yields adjusted to 15.5% moisture and 56 lb. per bushel.

<sup>2/</sup>1 = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

<sup>3/</sup>Data from Camp Hill only. Percent of plants expressing symptoms of maize dwarf mosaic virus (MDMV), maize chlorotic dwarf virus (MCDV) or both.

Table 9. 1974 Yield of Corn Varieties by Location and Regional Averages for 1-5 Years in Central Alabama<sup>1/</sup>

Hybrid or Brand name variety	Prattville	Tallassee	Auburn	Camden	Camp Hill	Regional average yield per acre				
						1-year 1971	2-year 1973-74	3-year 1972-74	4-year 1971-74	5-year 1969-74 <sup>2/</sup>
	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.
Funk's-----G-795W-1	83	161	51	56	110	92	92	95	96	87
Pioneer-----511A	73	153	48	49	114	88	91	97	95	85
Funk's-----G-5945	59	146	40	39	75	72	80	87	91	84
Funk's-----G-4762	64	136	73	50	66	78	84	89	90	81
Funk's-----G-4949A	60	151	35	37	88	74	77	85	88	80
P.A.G.-----751	64	138	25	34	73	67	75	85	86	78
-----Mosby	39	115	29	23	53	52	57	61	63	54
Pioneer-----3147	88	170	54	46	85	89	92	102	104	
McNair-----508	74	153	50	31	55	73	77	91	92	
McCurdy-----67-14	64	143	59	45	61	75	81	87	90	
Pioneer-----3369A	81	130	54	44	70	76	82	89	89	
Pioneer-----3009	66	135	46	45	92	77	81	88		
McNair-----S-338	66	132	46	44	71	72	75	85		
Pioneer-----3030	55	138	46	46	55	68	75	84		
Greenwood---45	64	137	57	31	45	67	74	83		
Greenwood---471	56	135	34	33	59	64	72	82		
Coker-----56	73	149	49	37	77	77	80			
Funk's-----G-4864	59	145	26	43	91	73	79			
DeKalb-----1214	64	143	34	34	64	68	73			
BeKalb-----XL99	46	143	36	36	49	62	69			
McCurdy-----72-24	92	181	86	51	76	97				
Pennington---CHRW	83	163	54	49	76	85				
Coker-----77	72	155	29	40	85	76				
Asgrow-----RX115	70	131	50	42	66	72				
McNair-----73002	65	138	48	44	65	72				
Asgrow-----RX140	40	146	24	42	75	65				
McNair-----X-300	46	134	43	44	57	65				
Test average:	65	144	45	41	72	1/Yield adjusted to 15.5% moisture and				
L.S.D. (.05):	10	18	11	9	22	56 lb. per bushel.				
C.V. (%):	11.0	8.8	17.4	16.4	22.2	2/Does not include 1970 data.				



Table 10. Some Characteristics of Corn Varieties Tested Three Years in Southern Alabama, 1972-1974

Brand name	Hybrid or variety	Yield per acre <sup>1/</sup> Bu.	Lodged stalks Pct.	Quality <sup>2/</sup> Rating	Ears per stalk No.	Height of ears Ft.	Shelling Pct.	Husk <sup>2/</sup> Rating
Pioneer-----	511A	99	15.7	2.0	1.1	3.2	80.5	2.0
Pennington----	7-C-11A	96	7.2	2.6	1.0	3.3	81.5	2.5
Funk's-----	G-795 W-1	95	19.7	2.4	1.1	3.2	81.3	2.1
Pennington----	CHR-W	94	16.1	2.3	1.1	3.2	80.8	2.2
Pioneer-----	3369A	91	5.6	2.6	1.0	2.7	81.1	2.8
Funk's-----	G-4949A	90	2.5	2.5	1.0	3.7	81.9	2.5
McCurdy-----	67-14	89	9.6	2.4	0.9	2.8	79.2	2.7
McNair-----	S 338	89	8.7	2.7	1.0	2.8	80.5	2.5
Pioneer-----	3030	87	7.1	2.1	1.0	3.4	78.7	1.5
Funk's-----	G-5945	87	6.1	2.4	1.0	3.5	82.5	2.3
P.A.G.-----	751	86	10.8	2.3	1.1	3.7	80.3	1.8
Funk's-----	G-4762	85	6.2	2.6	1.0	2.7	83.8	2.4
Pioneer-----	3009	85	9.5	2.1	0.9	3.3	77.6	1.7
McNair-----	508	84	3.8	2.2	1.1	3.5	81.8	2.1
Greenwood----	45	84	8.8	1.9	1.0	3.0	80.1	2.3
DeKalb-----	1214	83	5.2	2.0	1.1	3.4	79.7	2.1
Greenwood----	471	80	9.7	2.0	1.0	3.7	80.5	1.6
-----	Mosby	63	23.6	3.2	0.9	3.2	79.4	2.8

<sup>1/</sup>Yields adjusted to 15.5% moisture and 56 lb. per bushel.

<sup>2/1</sup> = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

Table 11. Some Characteristics of Corn Varieties Tested Two Years in Southern Alabama, 1973-1974

Brand name	Hybrid or variety	Yield per acre <sup>1/</sup> Bu.	Lodged stalks Pct.	Quality Rating	Ears per stalk No.	Height of ears Ft.	Shelling Pct.	Husk <sup>2/</sup> Rating
Pennington	7-C-11A	103	8.4	3.1	1.0	3.4	82.9	3.0
Pioneer	511A	99	16.3	2.0	1.1	3.4	80.7	2.1
Funk's	G-795W-1	98	22.0	2.4	1.0	3.4	81.8	2.0
Pennington	CHR-W	97	16.8	2.1	1.1	3.4	81.0	2.3
Funk's	C-4864	96	5.3	2.2	1.0	3.3	82.5	1.9
Pioneer	3369A	94	8.0	2.6	1.0	2.8	81.1	2.9
Funk's	G-4949A	93	3.0	2.5	1.0	3.9	81.8	2.6
McCurdy	67-14	92	8.9	2.4	0.9	3.0	79.7	2.8
Funk's	G-4762	91	5.7	2.5	1.0	2.9	84.1	2.4
McNair	S-338	89	10.0	2.7	1.0	2.9	79.9	2.6
Funk's	G-5945	88	7.5	2.5	0.9	3.8	82.6	2.2
Pioneer	3030	88	7.5	2.3	1.0	3.6	79.1	1.5
Pioneer	3009	87	10.1	2.2	0.9	3.5	77.8	1.8
DeKalb	XL99	86	8.4	2.2	1.0	3.8	80.1	2.3
Coker	54	86	9.1	1.7	1.0	3.5	81.4	1.8
P.A.G.	751	85	10.5	2.4	1.1	3.9	80.2	2.0
Greenwood	45	84	11.1	1.9	1.0	3.2	80.6	2.4
DeKalb	1214	83	5.2	2.1	1.1	3.7	80.3	2.2
McNair	508	83	3.7	2.4	1.1	3.7	81.6	2.2
Greenwood	471	81	10.2	2.0	1.0	3.9	80.7	1.7
Coker	814	74	6.3	2.8	1.0	3.9	79.4	2.1
	Mosby	63	22.1	3.1	0.9	3.4	79.4	2.9

<sup>1/</sup>Yield adjusted to 15.5% moisture and 56 lb. per bushel.

<sup>2/</sup>1 = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

Table 12. Some Characteristics of Corn Varieties Tested in Southern Alabama, 1974

Brand name	Hybrid or variety	Yield per acre <sup>1/</sup> Bu.	Lodged stalks Pct.	Quality <sup>2/</sup> Rating	Ears per stalk No.	Height of ears Ft.	Shelling Pct.	Husk <sup>2/</sup> Rating	Mid- silk <sup>3/</sup> days
McNair-----	73011	115	4.5	1.2	1.2	4.0	85.2	2.3	75
Pennington----	7-C-11A	107	10.9	2.9	1.0	3.4	83.1	3.3	70
Pioneer-----	3147	100	10.2	3.1	1.0	3.4	82.9	3.3	71
McNair-----	73002	98	6.1	2.6	1.0	3.0	80.6	3.4	65
Pennington----	CHR-W	97	17.4	1.9	1.1	3.4	81.0	2.3	71
Funk's-----	G-795W-1	97	25.4	2.5	1.0	3.4	82.0	2.0	69
Pioneer-----	511A	96	19.8	2.0	1.1	3.4	80.1	2.3	71
Pioneer-----	3369A	94	3.7	2.6	1.0	2.8	81.9	3.3	62
Funk's-----	G-4864	93	5.4	2.3	0.9	3.3	82.9	1.9	68
McNair-----	S-338	93	7.6	2.6	1.0	2.9	80.5	2.7	65
Funk's-----	G-4949A	91	3.5	2.4	1.0	3.9	80.9	2.9	71
Coker-----	77	90	8.9	2.3	1.1	3.9	81.6	2.4	71
McCurdy-----	67-14	90	7.1	2.4	1.0	2.9	79.6	3.1	67
McNair-----	X210	89	6.2	2.7	1.0	2.7	78.6	2.5	64
Pioneer-----	3030	87	9.4	2.5	1.0	3.6	79.1	1.5	72
Funk's-----	G-4762	86	7.0	2.5	1.0	2.9	83.0	2.7	67
McNair-----	508	86	4.9	2.4	1.2	3.7	81.8	2.4	74
DeKalb-----	XL99	84	6.3	2.0	1.0	3.4	79.3	2.3	72
Funk's-----	G-5945	84	7.0	2.6	1.0	3.7	82.2	2.2	74
Asgrow-----	RX140	81	14.6	1.6	1.0	4.3	78.9	1.9	72
Asgrow-----	RX115	81	15.6	2.4	1.0	3.2	80.5	2.7	68
Greenwood-----	45	81	12.8	2.1	1.0	3.1	79.7	2.5	67
Pioneer-----	3009	80	8.8	2.4	0.9	3.4	77.4	1.8	68
McNair-----	X300	80	7.3	2.5	0.9	2.7	77.6	2.8	66
Coker-----	54	79	14.2	1.8	1.0	3.4	81.0	1.9	70
P.A.G.-----	751	79	12.0	2.4	1.1	3.8	79.6	1.9	73
DeKalb-----	1214	76	8.1	2.2	1.1	3.7	79.6	2.1	71
Greenwood-----	471	67	13.7	2.0	1.0	3.9	80.6	1.5	72
Coker-----	814	57	8.6	2.7	1.0	3.7	79.3	2.1	73
-----	Nosby		26.5	3.3	0.9	3.2	78.7	2.8	68

<sup>1/</sup>Yields adjusted to 15.5% moisture and 56 lb. per bushel.

<sup>3/</sup>Data from Fairhope only. Test planted April 1.

<sup>2/1</sup> = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

Table 13. 1974 Yield of Corn Varieties by Locations and Regional Averages for 1-5 Years in Southern Alabama<sup>1/</sup>

Brand name	Hybrid or variety	Regional average yield per acre								
		Fairhope	Brewton	Monroeville	Headland	1-year 1974	2-year 1973-74	3-year 1972-74	4-year 1971-74	5-year 1969-74 <sup>2/</sup>
		Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.
Funk's	G-795 W-1	141	80	70	95	97	93	95	100	95
Pennington	7-C-11A	156	99	80	92	107	103	96	100	93
Pennington	CHR-W	127	96	73	92	97	97	94	99	93
Funk's	G-4949A	129	99	72	64	91	93	90	95	89
Funk's	G-5945	126	84	69	56	84	88	87	91	87
P.A.G.	751	116	78	72	49	79	85	86	91	87
	Mosby	88	45	55	37	57	63	63	68	64
McCurdy	67-14	118	82	75	83	90	92	89	95	
Funk's	G-4762	111	83	73	76	86	91	85	90	
McNair	508	136	69	68	68	86	83	84	90	
Pioneer	511A	143	83	74	81	96	99	99		
Pioneer	3369A	133	87	61	94	94	94	91		
McNair	S-338	138	85	65	81	93	89	89		
Pioneer	3030	136	74	78	58	87	88	87		
Pioneer	3009	112	74	71	64	81	87	85		
Greenwood	45	114	76	64	70	81	84	84		
DeKalb	1214	113	74	64	62	79	83	83		
Greenwood	471	107	72	59	63	76	81	80		
Funk's	G-4864	132	85	64	89	93	96			
DeKalb	XL99	116	81	72	67	84	86			
Coker	54	120	71	60	65	80	86			
Coker	814	93	55	70	48	67	74			
McNair	73011	162	108	77	110	115				
Pioneer	3147	152	82	71	94	100				
McNair	73002	124	97	74	97	98				
Coker	77	143	92	76	49	90				
McNair	X210	127	80	65	83	89				
Asgrow	RX140	125	88	63	56	84				
Asgrow	RX115	107	82	70	65	81				
McNair	X300	104	74	63	77	80				
Test average:		125	82	69	73	<sup>1/</sup> Yields adjusted to 15.5% moisture & 56 lb/hu.				
L.S.D. (.05):		20	17	12	16					
C.V. (%):		11.7	15.2	12.0	15.2	<sup>2/</sup> Does not include 1970 data.				

Table 14. Some Characteristics of Corn Varieties Planted in 30 inch rows and Irrigated, Camden - 1974.

Brand name	Hybrid or variety	Yield per acre <sup>1/</sup> Bu.	Lodged stalks Pct.	Quality <sup>2/</sup> Rating	Ears per stalk No.	Ear Height Ft.	Shelling Pct.	Husk <sup>2/</sup> Rating
Funk's	G-795W-1	137	29.2	2.3	1.2	3.9	71.9	1.5
McCurdy	72-24	136	29.3	2.0	1.2	4.9	72.4	1.5
Coker	77	134	10.1	1.8	1.2	4.7	73.4	2.5
Pennington	GHR-W	127	30.1	2.0	1.4	3.6	71.3	1.8
Pioneer	511A	122	27.9	2.5	1.3	4.2	70.7	1.8
Funk's	G-4864	121	3.7	2.0	0.9	4.1	75.7	1.0
McNair	73002	119	8.8	2.3	1.1	3.8	71.3	3.8
Pioneer	3147	119	14.2	2.5	1.0	4.4	75.8	2.8
Pioneer	3009	119	17.6	2.0	1.0	4.1	63.1	1.8
Funk's	G-5945	118	8.5	2.3	1.1	4.5	73.4	2.0
McNair	S-338	114	20.3	2.3	1.0	3.7	73.2	2.5
Funk's	G-4949A	114	4.7	2.3	1.0	4.8	72.3	2.5
McNair	508	114	7.7	1.5	1.2	4.4	73.6	2.5
Greenwood	45	111	14.8	1.0	1.1	3.9	70.4	2.3
Pioneer	3030	111	8.7	2.3	1.1	4.4	69.9	1.3
McCurdy	67-14	111	4.9	2.0	1.1	3.8	71.3	2.8
Funk's	G-4762	111	10.4	1.8	1.1	3.6	73.9	2.3
P.A.G.	751	110	22.2	2.0	1.1	4.6	71.1	2.0
McNair	X-300	110	6.2	2.0	1.1	3.4	70.7	2.5
Asgrow	RX140	110	12.6	1.8	1.1	5.2	69.0	1.8
Coker	56	103	9.3	2.0	1.0	3.8	73.2	2.3
DeKalb	XL99	103	11.6	2.0	1.2	4.4	71.5	2.0
Pioneer	3369A	103	5.4	2.3	1.1	3.8	70.9	3.3
DeKalb	1214	100	14.3	1.8	1.1	4.4	69.6	2.3
Greenwood	471	98	13.1	1.8	1.0	4.6	68.5	1.3
Asgrow	RX115	91	17.5	1.8	0.9	3.6	70.2	2.5
	Mosby	68	36.8	2.5	1.2	3.8	71.0	2.5

Test average: 112  
 L.S.D. (.05): 17  
 C.V. (%): 10.9

<sup>1/</sup>Yield adjusted to 15.5% moisture and 56 lb. per bushel.  
<sup>2/</sup>1 = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

Furrow irrigated with approximately 1 inch of water per application on the following dates: 4/27 6/1 7/3 7/26  
 5/8 6/24 7/12  
 5/23 7/1 7/19

Table 15. Performance of Corn Hybrids Tested One Year at the Black Belt Substation, 1974

Brand name	Hybrid or variety	Yield	Lodged	Quality <sup>2/</sup>	Ears	Height	Shelling	Husk <sup>2/</sup>
		per acre <sup>1/</sup> Bu.	stalks Pct.	Rating	per stalk No.	or ears Ft.		Pct.
McNair-----	73011	125	0.6	1.5	1.2	5.7	84.3	2.3
Funk's-----	G-4864	114	1.1	2.3	0.9	4.4	84.9	2.3
McCurdy-----	72-44	114	0.6	2.3	1.0	4.0	85.7	1.5
Funk's-----	G-4808	113	1.3	2.8	1.0	4.0	83.7	2.3
Pennington-----	7-C-11A	112	1.2	3.5	1.0	4.6	84.0	2.5
Funk's-----	G-4762	109	1.8	2.0	1.0	4.0	85.5	1.8
Pioneer-----	3147	106	0.0	3.3	1.0	4.5	83.4	3.3
McCurdy-----	72-73	105	0.6	3.3	1.0	4.5	83.5	2.3
Pioneer-----	3179	100	5.3	2.5	0.9	4.5	84.7	2.3
DeKalb-----	XL80	96	0.6	2.5	1.0	3.7	83.6	2.0
Funk's-----	G-5757	93	2.7	3.0	0.9	4.0	85.4	3.5
P.A.G.-----	SX 605	92	0.8	2.3	0.9	4.6	83.3	2.3
McCurdy-----	MSX 38	91	4.3	3.8	1.0	4.1	84.0	2.8
Pioneer-----	3009	89	4.8	2.0	0.9	4.3	79.6	2.3
ACCO-----	AR-19088	89	2.0	2.0	0.9	4.3	83.9	1.8
P.A.G.-----	644W	85	0.6	3.5	0.9	4.6	81.9	3.0
Funk's-----	G-5945	84	1.2	3.0	0.9	4.9	82.3	2.0
Asgrow-----	RX 115	81	1.9	2.0	0.9	4.1	83.1	2.5
DeKalb-----	1214	81	1.2	2.3	1.0	5.0	79.6	2.3
Pioneer-----	3369 A	71	26.2	3.5	0.7	3.5	83.9	3.5
Coker-----	16	67	6.3	3.3	1.0	3.7	82.7	4.0
Test Average:		96						
L.S.D. (.05):		20						
C.V. (%):		15.2						

<sup>1/</sup>Yields adjusted to 15.5% moisture and 56 lb. per bushel.  
<sup>2/</sup>1 = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

PRELIMINARY REPORT

Table 16 Some Characteristics of Corn Hybrids Tested One Year at Three Locations in Northern Alabama, 1974

Brand name Hybrid	Yield per acre <sup>1/</sup>				Lodged stalks	Quality <sup>2/</sup>	Ears		Shelling	Husk <sup>2/</sup>
	Belle Mina	Winfield	Crossville	Regional average			per stalk	Ear height		
Number of tests	Bu. (1)	Bu. (1)	Bu. (1)	Bu. (3)	Pct. (3)	Rating (3)	No. (3)	Ft. (3)	Pct. (3)	Rating (3)
Pennington---7-C-11A	120	151	143	138	5.0	2.6	1.0	4.1	83.8	2.3
Pioneer-----31473 <sup>3/</sup>	121	147	134	134	4.7	2.4	1.0	4.2	83.5	2.5
Pioneer-----3369A <sup>3/</sup>	120	123	141	128	4.6	1.4	1.0	3.8	81.3	2.5
Excel-----RA116	121	140	120	127	2.5	2.7	1.0	4.1	84.6	2.8
McCurdy-----73-8	116	130	129	125	11.0	2.2	1.0	3.7	85.2	2.6
Funk's-----G-4810	106	139	127	124	5.8	2.0	1.0	4.3	81.2	2.2
McNair-----X-194	113	123	131	122	4.2	2.9	1.0	3.8	83.8	2.5
Excel-----RA118	123	110	131	121	4.6	1.9	1.0	3.5	82.7	2.0
McCurdy-----73-5	118	125	120	121	7.0	2.2	1.0	3.8	85.4	2.6
Acco-----AR-19792	104	132	125	120	8.5	1.4	1.0	4.3	81.5	1.9
McNair-----X-170	117	121	121	119	3.6	2.4	1.0	3.7	82.3	2.5
Funk's-----G-4628	116	113	125	118	5.7	2.0	0.9	3.8	82.0	2.5
Funk's-----G-4770	101	118	125	114	7.8	3.0	1.0	3.5	82.2	2.8
McCurdy-----73-40	98	114	116	109	11.6	2.7	1.0	4.2	81.4	2.2
Funk's-----26271	92	116	105	104	6.7	2.5	1.0	4.5	80.3	1.4
Acco-----AR-19090	94	93	103	97	3.5	2.4	0.9	4.2	81.7	1.7

Test average: 111 124 124 1/ Yields adjusted to 15.5% moisture and 56lb per bushel.  
 L.S.D. (.05) 9 14 19 2/1=excellent; 2=good; 3=fair; 4=poor; 5=very poor.  
 C.V. (%): 5.8 7.8 10.8 3/ Check hybrids.

PRELIMINARY REPORT

Table 17. Some Characteristics of Corn Hybrids Tested One Year at Two Locations in Central Alabama, 1974

Hybrid or Brand name	Yield per acre <sup>1/</sup>			Lodged stalks	Quality <sup>2/</sup> Rating	Ears per stalk	Ear Height	Shelling	Husk <sup>2/</sup> Rating	
	Tallassee	Auburn	Regional average <sup>3/</sup>							
Number of tests	Bu. (1)	Bu. (1)	Bu. (2)	Pct. (2)	Rating (2)	No. (2)	Ft. (2)	Pct. (2)	Rating (2)	
Pennington-----7-C-11A	147	65	106	2.4	3.1	1.0	3.2	82.7	3.5	
Pioneer-----3147 <sup>3/</sup>	146	62	104	3.5	3.1	1.3	3.4	82.2	3.0	
McCurdy-----73-53	142	57	99	10.7	2.3	1.2	3.8	81.8	2.4	
DeKalb-----XL394	145	54	99	1.7	2.1	1.0	3.4	85.4	2.5	
McCurdy-----73-47	137	54	96	28.8	2.0	1.1	3.4	84.4	2.5	
Funk's-----26271	134	53	93	1.8	2.1	1.1	3.6	80.0	2.6	
DeKalb-----9515	135	51	93	2.7	1.9	0.9	3.7	82.3	2.5	
DeKalb-----XL80	136	49	92	2.6	2.5	0.9	2.7	82.4	3.0	
Funk's-----G-4810	137	46	91	3.8	2.9	1.0	3.4	81.8	3.4	
Excel-----RA118	124	49	86	4.6	2.9	0.9	3.0	83.0	3.1	
P.A.G.-----SX 605	113	59	86	3.2	2.9	0.9	3.4	80.8	2.9	
DeKalb-----XL380	116	49	83	2.9	2.8	0.9	2.7	81.0	3.1	
Pioneer-----3369A <sup>3/</sup>	123	42	83	2.4	3.0	1.0	2.9	82.1	3.5	
Funk's-----G-4628	124	40	82	2.6	3.4	1.0	2.7	82.8	3.8	
DeKalb-----XL399	123	40	81	6.3	2.8	1.3	3.5	78.9	2.8	
Greenwood-----484	126	37	81	1.8	2.4	1.0	3.3	81.4	2.3	
DeKalb-----XL395	122	39	81	1.4	2.0	0.8	3.6	84.7	3.0	
Taylor-----4020	124	37	80	7.6	2.5	0.9	3.1	80.5	3.1	
DeKalb-----2956	104	51	77	12.2	2.4	1.4	3.6	77.0	2.4	
Coker-----16	101	50	76	1.7	3.1	0.9	2.7	83.0	3.9	
McNair-----X-194	127	24	75	7.0	3.8	0.9	3.1	82.2	4.0	
Funk's-----G-4770	116	34	75	12.4	3.4	1.0	2.4	82.4	3.6	
DeKalb-----9508	104	45	74	3.5	2.3	0.9	3.6	79.0	3.3	
Excel-----RA116	128	22	71	3.8	3.8	0.9	3.2	81.6	3.9	
Test average:	126	46	1/Yields adjusted to 15.5% moisture and 56 lb./bu.							
L.S.D. (.05):	24	16	2/1 = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.							
C.V. (%):	13.7	24.8	3/Check hybrids							



PRELIMINARY REPORT

Table 18. Some Characteristics of Corn Hybrids Tested One-Year at Two Locations in Southern Alabama, 1974

Hybrid or Brand name	Yield per acre <sup>1/</sup>			Lodged stalks Pct. (2)	Quality <sup>2/</sup> Rating (2)	Ears		Shelling Pct. (2)	Husk <sup>2/</sup> Rating (2)	Mid- silk <sup>4/</sup> days
	Headland Bu. (1)	Fairhope Bu. (1)	Regional average Bu. (2)			per stalk No. (2)	Ear height Ft. (2)			
Funk's-----G-795W-13/	110	141	126	11.0	1.6	1.1	3.7	81.6	2.1	71
Pioneer-----3369A3/	91	153	122	1.1	1.5	1.0	3.5	83.0	2.9	63
Excel-----RA116	96	140	118	3.5	2.1	1.0	3.4	83.9	3.4	65
DeKalb-----XL394	94	142	118	0.3	1.9	1.1	4.2	84.2	2.4	71
Excel-----RA118	103	132	118	1.5	1.4	1.0	3.1	83.0	3.3	67
DeKalb-----XL30	94	141	117	5.2	1.1	1.0	3.3	81.0	2.3	66
DeKalb-----XL380	93	136	115	7.6	1.9	1.0	3.1	81.3	2.6	68
McNair-----X-194	93	136	115	2.9	2.0	0.9	3.4	84.3	3.3	65
Funk's-----G-4810	93	136	114	5.9	2.1	1.1	3.6	82.2	2.6	67
McNair-----X-170	98	125	111	0.3	2.8	1.0	3.1	84.2	3.3	66
Funk's-----G-4628	90	133	111	1.1	2.4	0.9	3.1	84.9	4.0	65
Funk's-----G-4770	86	134	110	4.3	2.5	1.0	3.0	84.2	3.3	66
Pioneer-----3145	86	133	109	0.9	1.9	1.0	3.8	79.8	2.6	65
DeKalb-----XL399	79	138	108	5.9	2.4	1.3	4.2	81.6	2.0	72
Coker-----16	83	129	106	3.5	2.5	0.9	3.1	84.7	3.4	65
DeKalb-----XL395	83	128	106	1.5	2.1	1.0	4.3	83.4	2.9	68
DeKalb-----2956	86	125	105	2.9	2.4	1.4	4.6	79.4	2.5	62
DeKalb-----9515	76	131	104	4.2	2.0	1.1	4.5	82.4	1.6	73
McCurdy-----73-61	67	139	103	4.5	2.0	1.2	5.1	80.0	1.8	67
DeKalb-----9508	90	116	103	4.2	1.9	1.1	4.6	81.0	2.8	73
Funk's-----26271	74	131	103	3.7	2.0	1.2	3.9	80.5	1.8	72
McCurdy-----73-66	70	133	102	2.2	2.0	1.1	4.9	80.7	2.1	73
ACCO-----19088	76	121	99	7.7	2.3	1.0	3.8	82.1	2.0	73
Taylor-----3010	77	109	93	8.9	2.4	1.1	3.7	79.0	1.6	71
Greenwood----484	61	100	81	1.9	2.5	1.2	3.8	79.6	1.8	74

Test average: 86 131 <sup>1/</sup>Yield adjusted to 15.5% moisture and 56 lb./bu.  
L.S.D. (.05): 17 19 <sup>2/</sup>1 = excellent; 2 = good; 3 = fair; 4 = poor; 5 = very poor.  
C.V. (%): 13.9 10.3 <sup>3/</sup>Check hybrids.

<sup>4/</sup>Data from Fairhope only. Test planted April 1.

ACCEPTABLE HYBRIDS FOR 1975

All of the acceptable hybrids are not equal in performance. It is suggested that this report be carefully studied before choosing a hybrid. Hybrids are listed according to composite rating within group and yellow and white hybrids designated (Y) and (W) respectively.

NORTHERN ALABAMA

CENTRAL ALABAMA

SOUTHERN ALABAMA

<u>Brand Name</u>	<u>Hybrid</u>
<u>Early Season</u>	
Pioneer-----	3369A (Y)
McCurdy-----	MSX88 (Y)
Funk's-----	G-4762 (Y)
Funk's-----	G-4808 (Y)
Funk's-----	G-5757 (Y)
McNair-----	X-300 (Y) <u>1/</u>
Coker-----	16 (Y) <u>1/</u>

<u>Brand Name</u>	<u>Hybrid</u>
<u>Early Season</u>	
McCurdy-----	67-14 (Y)
Pioneer-----	3369A (Y)
Funk's-----	G-4762 (Y)
McNair-----	S-338 (Y)

<u>Brand Name</u>	<u>Hybrid</u>
<u>Early Season</u>	
McCurdy-----	67-14 (Y)
Funk's-----	G-4762 (Y)
Pioneer-----	3369A (Y)
McNair-----	S-338 (Y)

<u>Full Season</u>	
Pioneer-----	3147 (Y)
McCurdy-----	67-14 (Y)
Pioneer-----	3179 (Y)
Pioneer-----	511A (W)
McNair-----	S-338 (Y)
Pennington-----	CHR-W (W)
P.A.G.-----	644W (W)
Funk's-----	G-795W-1 (W)
Funks-----	G-4864 (Y) <u>1/</u>

<u>Full Season</u>	
Pioneer-----	3147 (Y)
Funk's-----	C-795W-1 (W)
Pioneer-----	511A (W)
McNair-----	508 (Y)
P.A.G.-----	751 (Y)
Funk's-----	G-4949A (Y)
Funk's-----	G-5945 (Y)
Greenwood-----	45 (Y)
Pioneer-----	3009 (Y)
Pioneer-----	3030 (Y)
Coker-----	56 (Y) <u>1/</u>
Funk's-----	G-4864 (Y) <u>1/</u>

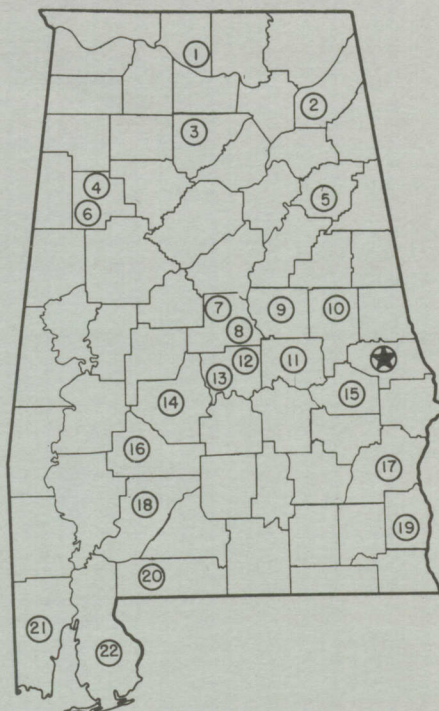
<u>Full Season</u>	
Pennington-----	7-C-11A (Y)
Pioneer-----	511A (W)
Pennington-----	CHR-W (W)
Funk's-----	G-4949 (Y)
Funk's-----	G-795W-1 (W)
Pioneer-----	3030 (Y)
Funk's-----	G-5945 (Y)
P.A.G.-----	751 (Y)
DeKalb-----	1214 (Y)
Greenwood-----	45 (Y)
Pioneer-----	3009 (Y)
McNair-----	508 (Y)
Funk's-----	G-4864 (Y) <u>1/</u>
Coker-----	54 (Y) <u>1/</u>

1/ Tested two years in regular tests and not listed by composite rating.



## Alabama's Agricultural Experiment Station System AUBURN UNIVERSITY

With an agricultural research unit in every major soil area, Auburn University serves the needs of field crop, livestock, forestry, and horticultural producers in each region in Alabama. Every citizen of the State has a stake in this research program, since any advantage from new and more economical ways of producing and handling farm products directly benefits the consuming public.



### Research Unit Identification

★ Main Agricultural Experiment Station, Auburn.

1. Tennessee Valley Substation, Belle Mina.
2. Sand Mountain Substation, Crossville.
3. North Alabama Horticulture Substation, Cullman.
4. Upper Coastal Plain Substation, Winfield.
5. Alexandria Experiment Field, Alexandria.
6. Forestry Unit, Fayette County.
7. Thorsby Foundation Seed Stocks Farm, Thorsby.
8. Chilton Area Horticulture Substation, Clanton.
9. Forestry Unit, Coosa County.
10. Piedmont Substation, Camp Hill.
11. Plant Breeding Unit, Tallassee.
12. Forestry Unit, Autauga County.
13. Prattville Experiment Field, Prattville.
14. Black Belt Substation, Marion Junction.
15. Tuskegee Experiment Field, Tuskegee.
16. Lower Coastal Plain Substation, Camden.
17. Forestry Unit, Barbour County.
18. Monroeville Experiment Field, Monroeville.
19. Wiregrass Substation, Headland.
20. Brewton Experiment Field, Brewton.
21. Ornamental Horticulture Field Station, Spring Hill.
22. Gulf Coast Substation, Fairhope.

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