



Performance of  
Grain Sorghum Hybrids  
in Alabama, 1986

Agronomy and Soils Departmental Series No. 114 December 1986  
Alabama Agricultural Experiment Station Auburn University  
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# PERFORMANCE OF GRAIN SORGHUM HYBRIDS IN ALABAMA, 1986

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## INTRODUCTION

Grain sorghum performance tests are conducted annually throughout Alabama by the Alabama Agricultural Experiment Station. These tests give a comparison of hybrid performance under the conditions at a particular location. The locations used represent major soil and climatic areas of the State. The performance of hybrids varies with location. Therefore, this report should be carefully studied before a hybrid is selected.

## EXPERIMENTAL PROCEDURES

Cultural practices were uniform for all hybrids within a given test. The experimental design for all tests was a randomized complete block with four replications. Test plots were two 36-inch rows, 20 or 30 feet in length. The target plant population was 60,000 plants per acre, with a seeding rate 25 percent higher to ensure a good stand. Test cultural practices are listed in table 1.

Grain yields were obtained by harvesting the whole test plot with a plot combine, and adjusting harvested grain weight and moisture to a standard 14 percent moisture and 56 pounds per bushel.

Lodging is given as the percentage of plants broken or leaning at an angle of more than 45 degrees. The seedheads of lodged plants were not included in the yields reported.

Days to mid-bloom is one measure of relative maturity. This is taken as days from planting to the date when approximately one-half of the heads in the plot are in bloom.

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<sup>1</sup> Professor and Associate Professor of Agronomy and Soils.

The preliminary grain sorghum hybrid test, table 14, is used to evaluate new hybrids and experimental lines. If a new hybrid does well in the preliminary test, it is planted in the regular test the next year.

Bird damage at the Tennessee Valley Substation, Belle Mina, was heavy. Damage was concentrated on the earlier maturing hybrids. Bird damage was also heavy at Prattville and relatively uniform. Damage was light at the other test sites. Bird damage can be a problem in small fields. In selecting a hybrid, consideration should be given to bird populations; if damage is anticipated, bird-resistant hybrids should be used. Bird-resistant grain sorghum hybrids are sometimes difficult to market and may have lower feed value than the non-bird-resistant hybrids.

Yields were severely reduced at the Wiregrass Substation, Headland, by a severe infestation of green-bugs as the grain of most hybrids was maturing.

#### VARIETY COMPARISONS

The performance of hybrids varies among years and locations. Small yield differences among hybrids may be the result of slight environmental or cultural differences rather than differences in yield potential among hybrids. To aid in determining real differences, a statistical analysis of variance was performed on the data from each location. The L.S.D. (least significant difference) at the 5 percent level is reported to help determine real differences between hybrid yields for each location in 1984. If the yield difference is greater than the L.S.D. value between two hybrids at a given location, the two hybrids are considered to be significantly different in yield. The C.V. (coefficient of variation) is a measure of test variability. An increase in its value indicates a decrease in the precision of the test data.

The list of acceptable hybrids is based on 3-year-average grain yield and lodging data. The list is divided into three regions, north, central, and south. Since all acceptable hybrids are not equal in performance, a review of the data from several years at the test location similar to your situation is the most reliable method for selecting a hybrid best suited for your farming needs.

Anthracnose has become a major factor in grain sorghum production in Alabama. This past growing season, outbreaks of this disease were very sporadic. In 1985, however, grain sorghum in many northeast and west central Alabama counties was devastated by anthracnose. Some fields yielded 50 to 75 percent less grain than expected. Feed quality of much of the harvested grain from diseased fields was also very poor. Resistant grain sorghum hybrids have been the best defense against anthracnose. Of available adapted grain sorghum hybrids, Funk's G-1711 and Pioneer Brand 8333 have the best resistance to this disease. Other hybrids with some anthracnose resistance are DeKalb DK-64, Paymaster 1022, Northrup King 2244, Coker 7737, and Pioneer Brand 8222. Good management plus disease resistant grain sorghum hybrids are necessary to reduce losses to anthracnose.

Many pesticide chemicals can be phytotoxic to a particular crop species as was the case in 1986 at Monroeville when the Grain Sorghum Variety test was sprayed for the control of midge. There was some residue of methyl parathion in the sprayer used. The reaction by some sorghum hybrids was a color change from green to almost orange followed by leaf death. The severity of damage was rated for each hybrid. Average ratings along with corresponding yields are shown in table 15.

There was second or ratoon crop of sorghum harvested November 6 at the Wiregrass Substation, table 16.

Plant height of grain sorghum hybrids is reported as regional averages (central, northern, southern) and single locations of Marion Junction and Fairhope, table 17.

#### ACKNOWLEDGMENTS

The performance trials were conducted in cooperation with the following substation and experiment field superintendents and their staffs whose quality work makes this report a reliable source of information for farmers in their areas.

##### Northern Alabama

Tennessee Valley Substation, Belle Mina - W. B. Webster, V. H. Calvert, II

Sand Mountain Substation, Crossville - J. T. Eason, M. E. Ruf

Upper Coastal Plain Substation, Winfield - R. A. Moore, Jr.,

##### Central Alabama

Black Belt Substation, Marion Junction - H.W. Grimes, J. L. Holliman

Prattville Experiment Field, Prattville - D. P. Moore

E. V. Smith Research Center, Shorter - W. B. Gordon

##### Southern Alabama

Monroeville Experiment Field, Monroeville - J. R. Akridge

Wiregrass Substation, Headland - H. W. Ivey, L. Wells

Gulf Coast Substation, Fairhope - E. L. Carden, N. R. McDaniel, M.D. Pegues

Appreciation is also expressed to W. H. Hearn, C. Jacks, and Sally Bagwell, Research Data Analysis, for the computation, summarization, and analysis of the data in this report.

Table 1. Locations and Cultural Practices for the 1986 Grain Sorghum Hybrid Tests

Location	Planting date	Nitrogen rate	Plant population	Harvest date	Herbicides	Insecticides
Tennessee Valley Substation (Belle Mina)	May 14	120	60,000	August 18	Atrazine <sup>1</sup>	Nudrin
Sand Mountain Substation (Crossville)	May 16	125	60,000	August 25-26	Atrazine	Lannate Furadan
Upper Coastal Plain Substation (Winfield)	April 30	120	60,000	August 20	Atrazine	None
E. V. Smith Research Center (Shorter)	May 20	125	60,000	August 27	Atrazine & Dual	None
Prattville Experiment Field (Prattville)	May 26	120	60,000	August 26	Atrazine	Nudrin Lorsban
Black Belt Substation (Marion Junction)	June 3	120	60,000	September 23	Atrazine	None
Monroeville Experiment Field (Monroeville)	May 15	120	60,000	August 28-29	Atrazine	Sevin <sup>2</sup>
Wiregrass Substation (Headland)	April 17	100	60,000	July 23	Atrazine	Malathion
Gulf Coast Substation (Fairhope)	May 18	120	60,000	August 7	Atrazine	None

<sup>1/</sup> All Atrazine was applied broadcast when the sorghum was approximately 4 inches high.

<sup>2/</sup> Small amount of methyl parathion was in airplane spray tanks and caused considerable damage to some varieties.



TABLE 2. YIELD AND LODGING AVERAGES FOR NORTHERN ALABAMA<sup>1/</sup> 1984-86

BRAND-HYBRID	YIELD PER ACRE	LODGED STALKS
	BU.	PCI.
N-K SAVANNA 5 *	100	10.3
FUNK'S G-522DR	96	3.1
TERRA HT 126DR	94	4.4
HYPERFORMER 1330DR	92	8.6
MCCURDY M-57YG	92	8.2
NORTHRUP KING 2660	90	5.8
PIONEER 8300	90	3.8
AGRATECH GK 712G	90	2.2
PIONEER 8222	89	2.5
HYPERFORMER 1225DR	89	5.5
COKER 7675	89	6.3
FUNK'S G-522A	89	3.3
AGRATECH GK 802G	89	4.5
PENN PENNGRAIN YE	87	4.4
TAYLOR-EVANS DINERO	86	4.0
DEKALB DK 64	86	7.3
FUNK'S G-1711	86	5.4
PIONEER 8333	86	3.3
PENN PENNGRAIN DR	83	6.1

<sup>1/</sup>BELLE MINA, CROSSVILLE, WINFIELD. 1984 BELLE MINA DATA NOT INCLUDED.

\* BIRD-RESISTANT HYBRID.

TABLE 3. CROSSVILLE GRAIN SORGHUM HYBRID TRIAL, 1986

BRAND-HYBRID	1986					
	1986 YIELD BU.	1985-86 2-YR. AV. BU.	1984-86 3-YR. AV. BU.	MID- BLOOM MO./DAY	BIRD DAMAGE PCT.	LODGED STALKS PCT.
TERRA HT124	86	-	-	7/27	-	0.5
FFR 331	85	-	-	7/28	-	0.0
ASGROW SIERRA	85	-	-	7/29	-	0.5
ASGROW CHAPPARAL	84	-	-	7/29	-	1.3
FUNK'S G-522A	82	93	106	7/28	-	0.2
HYPERFORMER 1330DR	81	90	106	7/26	-	3.0
FUNKS RA 787	81	-	-	7/26	-	2.0
NORTHRUP KING 2660	80	96	106	7/27	-	0.5
NORTHRUP KING 2665	79	98	-	7/29	-	0.0
DEKALB M-565	79	96	-	7/29	-	0.0
FUNK'S G-1711	78	97	102	7/30	-	0.0
PENN PENNGRAIN YE	78	93	102	7/27	-	0.2
ASGROW OPAL	78	96	-	7/27	-	0.5
FFR 321	78	93	-	7/27	-	0.0
AGRATECH GK 712G	77	90	102	7/23	-	2.5
PIONEER 8222	76	96	105	7/29	-	0.0
ASGROW TOPAZ	76	96	-	7/30	-	0.0
MCCURDY M-57YG	76	92	103	7/31	-	0.0
AGRATECH GK 802G	76	96	104	7/28	-	0.0
HYPERFORMER 1225DR	75	90	100	7/27	-	0.0
PIONEER 8300	75	96	106	7/28	-	0.5
FFR 421 DR	75	94	-	7/28	-	0.0
STAUFFER S-9750	73	91	-	7/29	-	0.0
HYPERFORMER HONCHO	73	87	-	7/26	-	0.0
TAYLOR-EVANS Y-75	72	94	-	7/30	-	0.0
PENN PENNGRAIN DR	70	84	95	7/28	-	0.0
PAYMASTER 1022	70	-	-	7/23	-	10.5
TAYLOR-EVANS DINERO	70	86	95	7/29	-	0.0
FUNK'S G-522DR	70	94	105	7/29	-	0.0
PAYMASTER R1090	69	83	-	7/26	-	17.5
N-K SAVANNA 5 *	69	103	116	7/28	-	7.5
PIONEER 8333	68	90	101	7/25	-	3.8
MCCURDY M-747	68	89	-	7/29	-	0.0
TERRA HT 126DR	67	91	104	7/29	-	0.0
COKER 7675	67	91	101	7/27	-	0.0
P-A-G 5572	67	92	-	8/1	-	0.0
DEKALB DK 64	62	86	99	7/25	-	10.2
AGRATECH GK 552G	61	73	-	7/21	-	6.0
P-A-G 4462	52	78	-	7/26	-	16.3
DEKALB DK-64BR *	49	85	-	7/21	-	45.0
TEST MEAN	73					
L.S.D. (.05)	13.1					
C.V. (%)	12.8					

\* BIRD-RESISTANT HYBRID.

TABLE 4. WINFIELD GRAIN SORGHUM HYBRID TRIAL, 1986

BRAND-HYBRID	1986	1985-86	1984-86	1986		
	YIELD	2-YR. AV.	3-YR. AV.	MID-BLOOM	BIRD DAMAGE	LODGED STALKS
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
TERRA HT124	64	-	-	7/3	0.0	6.5
FFR 321	59	68	-	7/5	0.0	12.5
ASGROW SIERRA	59	-	-	7/3	0.0	4.2
DEKALB M-565	58	72	-	7/5	0.0	9.2
ASGROW CHAPPARAL	58	-	-	7/3	0.0	4.2
TERRA HT 126DR	57	76	75	7/7	0.0	5.0
FUNK'S G-522DR	56	77	73	7/7	0.0	5.5
ASGROW OPAL	56	78	-	7/6	0.0	13.0
HYPERFORMER 1225DR	56	74	69	7/5	0.0	11.7
PAYMASTER 1022	56	-	-	7/4	0.0	5.0
MCCURDY M-747	55	72	-	7/7	0.0	10.5
COKER 7675	55	68	70	7/6	0.0	8.8
FFR 421 DR	55	56	-	7/3	0.0	10.0
AGRATECH GK 802G	55	70	66	7/5	0.0	15.0
PIONEER 8222	53	64	62	7/5	0.0	6.3
TAYLOR-EVANS DINERO	53	63	64	7/6	0.0	7.5
MCCURDY M-57YG	53	76	73	7/7	0.0	18.8
AGRATECH GK 712G	53	63	63	7/2	0.0	3.8
P-A-G 5572	52	72	-	7/8	0.0	12.5
FUNKS RA 787	52	-	-	7/7	0.0	13.8
PIONEER 8333	51	52	52	7/2	0.0	7.2
PENN PENNGRAIN YE	50	65	63	7/5	0.0	3.0
NORTHRUP KING 2660	49	63	63	7/7	0.0	6.3
ASGROW TOPAZ	49	72	-	7/8	0.0	7.5
PENN PENNGRAIN DR	49	65	63	7/5	0.0	12.5
N-K SAVANNA 5 *	49	80	76	7/4	0.0	35.0
FFR 331	49	-	-	7/4	0.0	51.3
HYPERFORMER HONCHO	48	66	-	7/2	0.0	2.7
TAYLOR-EVANS Y-75	48	72	-	7/7	0.0	11.3
FUNK'S G-1711	48	68	64	7/8	0.0	5.5
NORTHRUP KING 2665	47	75	-	7/7	0.0	5.5
HYPERFORMER 1330DR	45	74	69	7/5	0.0	23.8
AGRATECH GK 552G	44	63	-	7/2	0.0	7.5
PIONEER 8300	43	60	63	7/7	0.0	8.0
PAYMASTER R1090	40	55	-	7/4	0.0	12.5
STAUFFER S-9750	40	65	-	7/5	0.0	18.8
FUNK'S G-522A	39	59	60	7/7	0.0	3.8
P-A-G 4462	39	60	-	7/2	0.0	12.5
DEKALB DK 64	38	67	65	7/4	0.0	13.8
DEKALB DK-64BR *	35	65	-	7/2	0.0	68.8
TEST MEAN	50					
L.S.D. (.05)	10.6					
C.V. (%)	15.1					

\* BIRD-RESISTANT HYBRID.

TABLE 5. BELLE MINA GRAIN SORGHUM HYBRID TRIAL, 1986

BRAND-HYBRID	1986					
	1986	1985-86	1984-86	MID-	BIRD	LODGED
	YIELD	2-YR. AV.	3-YR. AV.	BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
FUNK'S G-522DR	97	115	-	-	6.3	21.7
TAYLOR-EVANS DINERO	91	105	-	-	11.3	23.8
FUNKS RA 787	88	-	-	-	8.8	23.8
PAYMASTER R1090	86	107	-	-	13.8	40.0
HYPERFORMER 1330DR	85	103	-	-	10.0	50.0
ASGROW CHAPPARAL	83	-	-	-	12.5	3.0
ASGROW OPAL	82	105	-	-	12.5	38.8
N-K SAVANNA 5 *	82	110	-	-	0.0	50.0
TAYLOR-EVANS Y-75	81	110	-	-	5.0	35.0
FFR 321	81	107	-	-	3.8	36.3
PIIONEER 8333	81	112	-	-	21.3	16.3
AGRATECH GK 712G	81	107	-	-	20.0	12.5
DEKALB M-565	80	106	-	-	12.5	40.0
TERRA HT124	80	-	-	-	17.5	18.8
ASGROW TOPAZ	80	107	-	-	7.5	41.3
TERRA HT 126DR	79	106	-	-	6.3	32.5
FUNK'S G-522A	78	103	-	-	8.8	20.0
DEKALB DK-64BR *	77	92	-	-	2.5	90.0
MCCURDY M-57YG	77	100	-	-	7.5	55.0
PENN PENNGRAIN YE	76	98	-	-	10.0	35.0
HYPERFORMER 1225DR	76	104	-	-	12.5	37.5
STAUFFER S-9750	76	102	-	-	5.0	31.3
P-A-G 5572	76	104	-	-	16.3	37.5
NORTHRUP KING 2660	75	106	-	-	17.5	45.0
PENN PENNGRAIN DR	75	94	-	-	13.8	42.5
PIIONEER 8222	74	106	-	-	11.3	15.0
AGRATECH GK 802G	74	100	-	-	2.5	25.0
ASGROW SIERRA	73	-	-	-	20.0	21.3
PIIONEER 8300	72	102	-	-	25.0	25.0
AGRATECH GK 552G	71	72	-	-	20.0	35.0
MCCURDY M-747	71	102	-	-	13.8	33.8
FFR 421 DR	68	93	-	-	20.0	36.3
NORTHRUP KING 2665	68	96	-	-	8.8	13.8
COKER 7675	67	95	-	-	7.0	46.3
P-A-G 4462	66	93	-	-	30.0	60.0
FUNK'S G-1711	63	95	-	-	22.5	42.5
HYPERFORMER HONCHO	63	98	-	-	10.0	27.5
PAYMASTER 1022	63	-	-	-	27.5	46.3
FFR 331	59	-	-	-	25.0	41.3
DEKALB DK 64	58	92	-	-	30.0	30.0
TEST MEAN	76					
L.S.D. (.05)	17.5					
C.V. (%)	16.5					

\* BIRD-RESISTANT HYBRID.

TABLE 6. YIELD AND LODGING AVERAGES FOR CENTRAL ALABAMA<sup>1/</sup> 1984-86

BRAND-HYBRID	YIELD PER ACRE		LODGED STALKS
	BU.		PCT.
FUNK'S G-1711	62		0.0
N-K SAVANNA 5 *	61		0.6
HYPERFORMER 1330DR	60		0.1
FUNK'S G-522DR	60		0.0
TERRA HT 126DR	59		0.0
AGRATECH GK 802G	57		0.2
HYPERFORMER 1225DR	57		0.2
COKER 7675	57		0.1
PIONEER 8222	57		0.3
MCCURDY M-57YG	57		0.0
PENN PENNGRAIN DR	56		0.1
FUNK'S G-522A	55		0.3
AGRATECH GK 712G	55		0.0
PENN PENNGRAIN YE	55		0.1
DEKALB DK 64	55		2.8
PIONEER 8333	55		0.6
TAYLOR-EVANS DINERO	54		0.0
PIONEER 8300	54		0.0

<sup>1/</sup> SHORTER, PRATTVILLE, AND MARION JUNCTION.  
 \* BIRD-RESISTANT HYBRID.

TABLE 7. PRATTVILLE GRAIN SORGHUM HYBRID TRIAL, 1986

BRAND-HYBRID	1986					
	1986	1985-86	1984-86	MID-	BIRD	LODGED
	YIELD	2-YR. AV.	3-YR. AV.	BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
TERRA HT124	46	-	-	7/17	15.0	0.0
MCCURDY M-747	45	55	-	7/16	13.8	0.0
FFR 421 DR	43	45	-	7/16	7.5	0.0
P-A-G 4462	43	43	-	7/15	15.0	7.5
FFR 321	43	54	-	7/15	11.7	2.5
NORTHRUP KING 2660	43	53	-	7/17	12.5	0.0
PENN PENNGRAIN DR	43	51	55	7/16	10.0	1.3
PAYMASTER 1022	42	-	-	7/15	15.0	0.0
PAYMASTER R1090	42	54	-	7/16	20.0	3.8
PIONEER 8333	42	50	58	7/17	10.0	0.0
AGRATECH GK 712G	42	48	55	7/14	10.0	0.0
ASGROW SIERRA	41	-	-	7/15	12.5	1.3
ASGROW CHAPPARAL	41	-	-	7/17	10.0	0.0
HYPERFORMER 1225DR	41	52	60	7/16	10.0	1.3
ASGROW OPAL	41	50	-	7/17	6.7	0.0
COKER 7675	40	50	56	7/17	13.3	1.3
TAYLOR-EVANS Y-75	40	40	-	7/17	13.8	2.5
FUNKS RA 787	40	-	-	7/17	15.0	2.5
ASGROW TOPAZ	40	48	-	7/16	8.8	1.3
P-A-G 5572	40	50	-	7/18	15.0	0.0
MCCURDY M-57YG	40	52	55	7/17	10.0	0.0
TAYLOR-EVANS DINERO	40	47	55	7/16	10.0	0.0
AGRATECH GK 802G	39	52	58	7/17	8.3	1.3
FUNK'S G-522DR	39	53	58	7/17	15.0	0.0
HYPERFORMER HONCHO	39	47	-	7/16	10.0	0.0
DEKALB DK 64	39	44	42	7/17	16.3	3.8
PENN PENNGRAIN YE	39	49	56	7/15	10.0	0.0
TERRA HT 126DR	38	52	59	7/17	11.3	0.0
DEKALB DK-64BR *	38	50	-	7/17	0.0	51.3
HYPERFORMER 1330DR	36	49	52	7/18	20.0	0.0
STAUFFER S-9750	36	47	-	7/17	8.3	1.3
PIONEER 8222	36	46	54	7/16	11.7	2.5
N-K SAVANNA 5 *	35	40	58	7/21	1.3	0.0
FUNK'S G-522A	35	47	58	7/17	15.0	2.5
FUNK'S G-1711	35	49	56	7/19	20.0	0.0
AGRATECH GK 552G	35	37	-	7/15	20.0	1.3
FFR 331	35	-	-	7/17	16.3	2.5
DEKALB M-565	33	52	-	7/16	11.7	0.0
NORTHRUP KING 2665	31	48	-	7/17	12.5	0.0
PIONEER 8300	29	42	49	7/19	20.0	0.0
TEST MEAN	39					
L.S.D. (.05)	6.4					
C.V. (%)	11.7					

\* BIRD-RESISTANT HYBRID.

TABLE 8. MARION JUNCTION GRAIN SORGHUM HYBRID TRIAL, 1986

BRAND-HYBRID	1986					
	1986	1985-86	1984-86	MID-	BIRD	LODGED
	YIELD	2-YR. AV.	3-YR. AV.	BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
DEKALB DK 64	75	74	70	8/5	2.5	0.0
FUNKS RA 787	75	-	-	8/6	0.0	0.5
FUNK'S G-1711	74	76	70	8/5	0.0	0.0
FUNK'S G-522DR	73	73	68	8/1	0.0	0.0
COKER 7675	73	69	66	7/30	0.0	0.0
DEKALB DK-64BR *	72	69	-	8/4	0.0	3.0
P-A-G 5572	71	73	-	7/31	0.0	0.0
MCCURDY M-747	71	69	-	7/30	0.0	0.0
PENN PENNGRAIN DR	71	71	66	8/1	0.0	0.0
FFR 331	71	-	-	8/4	0.0	1.0
STAUFFER S-9750	70	70	-	8/5	0.0	0.0
ASGROW CHAPPARAL	70	-	-	8/4	0.0	0.0
PIONEER 8222	69	68	63	8/4	0.0	0.0
HYPERFORMER 1330DR	69	77	73	8/5	0.0	1.3
AGRATECH GK 802G	67	66	63	8/3	0.0	0.5
ASGROW SIERRA	66	-	-	8/2	0.0	0.0
MCCURDY M-57YG	66	68	65	8/4	0.0	0.0
FFR 321	65	68	-	7/31	2.5	0.0
DEKALB M-565	65	67	-	8/2	0.0	1.3
N-K SAVANNA 5 *	65	69	70	8/7	0.0	0.0
FUNK'S G-522A	65	63	62	7/30	0.0	0.0
AGRATECH GK 712G	65	60	56	7/27	0.0	0.0
PAYMASTER 1022	64	-	-	8/1	0.0	1.2
NORTHRUP KING 2660	64	66	-	8/3	0.0	0.0
ASGROW TOPAZ	64	66	-	8/6	0.0	0.0
NORTHRUP KING 2665	64	68	-	8/5	0.0	0.0
PAYMASTER R1090	63	65	-	7/29	0.0	1.3
TERRA HT 126DR	63	66	65	8/2	0.0	0.0
FFR 421 DR	63	63	-	7/31	0.0	0.0
HYPERFORMER HONCHO	61	52	-	7/31	0.0	0.0
PIONEER 8333	60	62	60	7/31	0.0	5.0
TAYLOR-EVANS DINERO	59	58	58	8/5	0.0	0.0
ASGROW OPAL	58	64	-	8/5	0.0	3.8
P-A-G 4462	57	65	-	8/1	2.5	3.0
PIONEER 8300	57	60	62	8/5	0.0	0.0
HYPERFORMER 1225DR	51	60	60	8/4	0.0	0.5
AGRATECH GK 552G	50	48	-	7/27	3.8	3.5
TERRA HT124	50	-	-	8/1	0.0	0.0
PENN PENNGRAIN YE	49	58	58	7/31	0.0	0.5
TAYLOR-EVANS Y-75	49	63	-	8/5	0.0	1.3
TEST MEAN	64					
L.S.D. (.05)	16.6					
C.V. (%)	18.5					

\* BIRD-RESISTANT HYBRID.

TABLE 9. SHORTER GRAIN SORGHUM HYBRID TRIAL, 1986

BRAND-HYBRID	1986	1985-86	1984-86	1986		
	YIELD	2-YR. AV.	3-YR. AV.	MID-BLOOM	BIRD DAMAGE	LODGED STALKS
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
ASGROW CHAPPARAL	48	-	-	6/20	2.5	0.0
DEKALB DK-648R *	46	73	-	6/20	0.0	1.3
DEKALB DK 64	40	57	52	6/22	1.3	0.0
TAYLOR-EVANS Y-75	39	66	-	6/19	1.8	0.0
P-A-G 4462	38	59	-	6/19	3.8	0.0
PIONEER 8333	38	56	46	6/20	3.8	0.0
AGRATECH GK 712G	38	59	54	6/17	2.5	0.0
ASGROW SIERRA	37	-	-	6/19	3.8	0.0
N-K SAVANNA 5 *	37	63	55	6/28	0.0	0.0
FUNK'S G-1711	37	66	59	6/20	2.5	0.0
HYPERFORMER HONCHO	36	57	-	6/18	1.3	0.0
PENN PENNGRAIN YE	35	54	50	6/19	5.0	0.0
PAYMASTER 1022	34	-	-	6/19	2.5	0.0
FFR 331	32	-	-	6/23	2.5	0.0
MCCURDY M-57YG	31	55	51	6/22	2.5	0.0
PIONEER 8222	31	57	55	6/23	2.5	0.0
STAUFFER S-9750	31	56	-	6/23	7.5	0.0
NORTHRUP KING 2665	30	58	-	6/23	3.8	0.0
FUNKS RA 787	30	-	-	6/22	2.5	0.0
TERRA HT124	30	-	-	6/18	3.8	0.0
FFR 421 DR	29	55	-	6/19	1.3	0.0
DEKALB M-565	29	54	-	6/20	6.3	0.0
HYPERFORMER 1330DR	28	58	54	6/23	2.5	0.0
NORTHRUP KING 2660	27	57	-	6/21	0.0	0.0
ASGROW TOPAZ	27	56	-	6/22	5.0	0.0
AGRATECH GK 802G	26	56	52	6/21	7.5	0.0
PAYMASTER R1090	26	47	-	6/21	2.5	0.0
FUNK'S G-522A	24	52	45	6/18	2.5	0.0
HYPERFORMER 1225DR	24	56	53	6/21	1.3	0.0
PIONEER 8300	24	51	50	6/23	1.3	0.0
TAYLOR-EVANS DINERO	24	49	49	6/20	6.3	0.0
ASGROW OPAL	23	55	-	6/22	7.5	0.0
FUNK'S G-522DR	22	53	52	6/21	6.3	0.0
MCCURDY M-747	22	52	-	6/21	8.0	0.0
PENN PENNGRAIN DR	22	48	46	6/21	7.5	0.0
AGRATECH GK 552G	21	44	-	6/18	7.5	0.0
TERRA HT 126DR	20	51	53	6/22	6.3	0.0
COKER 7675	20	51	49	6/22	4.3	0.0
FFR 321	19	48	-	6/22	6.3	0.0
P-A-G 5572	18	44	-	6/23	1.3	0.0
TEST MEAN	30					
L.S.D. (.05)	13.5					
C.V. (%)	32.2					

\* BIRD-RESISTANT HYBRID.



TABLE 10. YIELD AND LODGING AVERAGES FOR SOUTHERN ALABAMA<sup>1/</sup> 1984-86

BRAND-HYBRID	YIELD PER ACRE		LODGED STALKS	
	BU.		PCT.	
N-K SAVANNA 5 *	76		5.7	
TERRA HT 126DR	72		1.4	
AGRATECH GK 802G	72		3.9	
MCCURDY M-57YG	71		4.8	
NORTHRUP KING 2660	70		3.0	
HYPERFORMER 1225DR	70		3.1	
PIONEER 8222	70		0.2	
PIONEER 8333	69		1.5	
PIONEER 8300	69		1.4	
COKER 7675	68		1.6	
PENN PENNGRAIN YE	68		0.5	
AGRATECH GK 712G	68		2.1	
TAYLOR-EVANS DINERO	68		1.7	
FUNK'S G-522DR	67		2.8	
FUNK'S G-1711	67		3.5	
DEKALB DK 64	67		5.3	
FUNK'S G-522A	66		2.1	
PENN PENNGRAIN DR	64		2.3	
HYPERFORMER 1330DR	64		5.6	

<sup>1/</sup> HEADLAND, MONROEVILLE, AND FAIRHOPE.  
 \* BIRD-RESISTANT HYBRID.

TABLE 11. MONROEVILLE GRAIN SORGHUM HYBRID TRIAL, 1986

BRAND-HYBRID	1986					
	1986	1985-86	1984-86	MID-	BIRD	LODGED
	YIELD	2-YR. AV.	3-YR. AV.	BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MO./DAY	PCI.	PCI.
HYPERFORMER 1330DR	63	66	61	7/11	-	48.8
MCCURDY M-57YG	59	60	64	7/10	-	42.5
FUNK'S G-1711	59	65	64	7/9	-	28.8
DEKALB M-565	58	67	-	7/10	-	17.5
FFR 321	57	63	-	7/10	-	17.5
TERRA HT124	56	-	-	7/7	-	15.5
ASGROW OPAL	56	61	-	7/9	-	17.5
ASGROW CHAPPARAL	56	-	-	7/8	-	1.7
COKER 7675	56	65	65	7/9	-	11.7
STAUFFER S-9750	55	59	-	7/10	-	28.8
PAYMASTER R1090	55	62	-	7/9	-	30.0
FUNK'S G-522A	55	64	61	7/9	-	12.5
FFR 331	55	-	-	7/10	-	52.5
PIONEER 8222	55	64	61	7/9	-	1.7
FFR 421 DR	54	58	-	7/9	-	13.8
FUNK'S G-522DR	54	62	63	7/10	-	25.0
TERRA HT 126DR	54	63	65	7/10	-	5.5
PIONEER 8300	53	70	67	7/10	-	10.5
P-A-G 5572	53	61	-	7/10	-	5.5
PIONEER 8333	53	69	65	7/8	-	13.8
FUNKS RA 787	51	-	-	7/12	-	6.3
MCCURDY M-747	51	61	-	7/10	-	15.5
AGRATECH GK 802G	51	67	63	7/10	-	18.8
PENN PENNGRAIN YE	51	67	67	7/10	-	1.7
PENN PENNGRAIN DR	51	59	54	7/10	-	13.0
NORTHRUP KING 2665	51	68	-	7/10	-	5.5
NORTHRUP KING 2660	50	64	62	7/10	-	18.0
HYPERFORMER 1225DR	50	59	63	7/9	-	8.0
DEKALB DK-64BR *	47	61	-	7/9	-	91.3
DEKALB DK 64	46	60	61	7/12	-	38.8
TAYLOR-EVANS DINERO	45	54	56	7/11	-	15.0
TAYLOR-EVANS Y-75	45	58	-	7/11	-	12.5
AGRATECH GK 552G	42	50	-	7/5	-	11.5
ASGROW TOPAZ	38	55	-	7/11	-	7.5
AGRATECH GK 712G	38	57	57	7/5	-	5.0
P-A-G 4462	38	50	-	7/8	-	82.5
ASGROW SIERRA	36	-	-	7/5	-	0.0
PAYMASTER 1022	34	-	-	7/10	-	21.3
HYPERFORMER HONCHO	34	57	-	7/8	-	2.5
N-K SAVANNA 5 *	28	56	64	7/12	-	42.5
TEST MEAN	50					
L.S.D. (.05)	10.7					
C.V. (%)	15.4					

\* BIRD-RESISTANT HYBRID.

TABLE 12. FAIRHOPE GRAIN SORGHUM HYBRID TRIAL, 1986

BRAND-HYBRID	1986	1985-86	1984-86	1986		
	YIELD	2-YR. AV.	3-YR. AV.	MID-BLOOM	BIRD DAMAGE	LODGED STALKS
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
TAYLOR-EVANS Y-75	114	99	-	6/19	0.0	0.0
NORTHRUP KING 2660	111	92	82	6/18	1.3	0.0
P-A-G 4462	111	97	-	6/17	0.0	0.0
TAYLOR-EVANS DINERO	110	95	82	6/18	3.8	0.0
PAYMASTER R1090	109	99	-	6/17	0.0	0.0
FUNK'S G-1711	106	87	72	7/13	3.8	0.0
COKER 7675	106	96	79	6/18	5.0	0.0
TERRA HT124	105	-	-	6/17	1.3	0.0
STAUFFER S-9750	105	87	-	6/20	1.3	0.0
FFR 321	105	99	-	6/18	0.0	0.0
FUNK'S G-522DR	103	96	81	6/19	2.5	0.0
PIONEER 8300	102	94	80	6/20	1.3	0.0
N-K SAVANNA 5 *	102	103	90	6/18	1.3	7.7
ASGROW TOPAZ	102	101	-	6/18	1.3	0.5
TERRA HT 126DR	102	99	87	6/19	2.5	0.0
PENN PENNGRAIN DR	101	90	77	6/18	2.5	0.0
PIONEER 8333	101	98	78	6/17	0.0	0.0
AGRATECH GK 802G	101	95	82	6/18	2.5	0.0
DEKALB M-565	100	95	-	6/19	1.3	0.0
ASGROW OPAL	99	98	-	6/18	1.3	0.0
ASGROW CHAPPARAL	99	-	-	6/19	0.0	0.0
PIONEER 8222	99	103	87	6/19	0.0	0.0
AGRATECH GK 712G	99	102	82	6/17	0.0	0.0
MCCURDY M-57YG	98	92	80	6/19	3.8	0.0
MCCURDY M-747	98	91	-	6/18	5.0	0.0
FUNKS RA 787	98	-	-	6/19	5.0	1.3
FUNK'S G-522A	97	90	76	6/19	0.0	0.0
HYPERFORMER 1225DR	97	93	79	6/18	0.0	0.0
DEKALB DK-648R *	96	87	-	6/17	1.3	0.0
PAYMASTER 1022	96	-	-	6/17	0.0	0.0
NORTHRUP KING 2665	96	91	-	6/20	1.3	0.0
PENN PENNGRAIN YE	95	93	77	6/18	0.0	0.0
AGRATECH GK 552G	95	90	-	6/16	0.0	0.0
ASGROW SIERRA	94	-	-	6/18	0.0	0.0
FFR 421 DR	93	98	-	6/17	1.3	0.0
P-A-G 5572	91	82	-	6/19	8.8	0.0
DEKALB DK 64	91	84	69	6/18	0.0	0.0
HYPERFORMER HONCHO	84	92	-	6/17	0.0	0.0
HYPERFORMER 1330DR	70	77	65	6/20	17.5	0.0
FFR 331	69	-	-	6/18	15.0	3.0
TEST MEAN	99					
L.S.D. (.05)	12.4					
C.V. (%)	9.0					

\* BIRD-RESISTANT HYBRID.

TABLE 13. HEADLAND GRAIN SORGHUM HYBRID TRIAL, 1986

BRAND-HYBRID	1986					
	1986	1985-86	1984-86	MID-	BIRD	LODGED
	YIELD	2-YR. AV.	3-YR. AV.	BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
FUNK'S G-1711	57	52	66	6/13	1.3	1.3
FFR 331	53	-	-	6/12	4.5	6.3
TAYLOR-EVANS DINERO	51	49	65	6/15	0.8	0.0
DEKALB DK 64	50	56	71	6/12	0.0	0.7
FFR 321	50	56	-	6/11	1.3	3.8
HYPERFORMER HONCHO	49	52	-	6/10	2.0	0.0
ASGROW OPAL	49	56	-	6/14	1.3	0.7
PAYMASTER R1090	49	52	-	6/10	8.8	17.7
PIONEER 8333	48	48	65	6/13	0.0	0.0
MCCURDY M-57YG	48	50	70	6/15	2.5	0.7
NORTHRUP KING 2660	47	51	67	6/13	3.3	0.2
PIONEER 8300	47	46	62	6/13	1.3	2.5
DEKALB DK-648R *	47	58	-	6/10	2.5	3.8
MCCURDY M-747	47	51	-	6/12	1.3	2.0
FUNKS RA 787	46	-	-	6/12	3.3	0.0
HYPERFORMER 1225DR	46	53	67	6/10	2.0	5.0
AGRATECH GK 712G	45	57	63	6/12	3.8	5.0
TERRA HT124	45	-	-	6/11	5.0	6.3
FUNK'S G-522DR	44	44	58	6/13	1.3	0.0
AGRATECH GK 802G	44	55	70	6/12	0.8	1.3
N-K SAVANNA 5 *	44	51	74	6/10	0.0	0.0
PENN PENNGRAIN DR	43	49	62	6/12	2.5	0.0
P-A-G 5572	43	46	-	6/12	1.3	2.5
HYPERFORMER 1330DR	42	46	66	6/13	2.8	0.0
ASGROW SIERRA	42	-	-	6/8	2.5	6.3
STAUFFER S-9750	41	44	-	6/14	2.8	0.0
COKER 7675	40	48	59	6/12	2.5	2.5
ASGROW CHAPPARAL	40	-	-	6/12	7.5	0.0
DEKALB M-565	40	47	-	6/14	4.5	1.3
TERRA HT 126DR	40	49	64	6/14	0.8	0.0
PIONEER 8222	39	45	61	6/15	0.0	0.0
NORTHRUP KING 2665	39	49	-	6/15	2.5	0.0
PENN PENNGRAIN YE	37	44	59	6/13	1.3	2.5
TAYLOR-EVANS Y-75	37	58	-	6/13	2.0	0.0
FUNK'S G-522A	36	48	60	6/12	0.8	6.3
FFR 421 DR	34	50	-	6/8	5.0	0.7
ASGROW TOPAZ	34	48	-	6/13	6.3	8.8
AGRATECH GK 552G	34	51	-	5/29	7.5	0.0
P-A-G 4462	34	47	-	6/10	5.8	10.0
PAYMASTER 1022	30	-	-	6/2	15.0	20.0
TEST MEAN	43					
L.S.D. (.05)	15.4					
C.V. (%)	25.5					

\* BIRD-RESISTANT HYBRID.

TABLE 14. PRELIMINARY GRAIN SORGHUM HYBRID TRIAL<sup>1/</sup> 1986

BRAND-HYBRID	1986 YIELD	MID- BLOOM	BIRD DAMAGE	LODGED STALKS
	BU.	MO./DAY	PCT.	PCT.
MCCURDY M745	38	6/19	3.8	0.0
DEKALB X 687	38	6/22	2.5	0.0
STAUFFER S97401	38	6/21	3.8	0.0
DEKALB 688	37	6/20	1.3	0.0
DEKALB DK 49	36	6/21	1.3	0.0
DEKALB X 5531	36	6/21	0.5	0.7
PIONEER 8515	35	6/16	3.8	0.0
COKER 7737	34	6/22	3.0	0.0
PAG 6670	32	6/21	6.3	0.0
DEKALB X 684	32	6/21	3.0	0.0
FUNK'S HW6119	31	6/21	1.3	0.0
FUNK'S HW6624	30	6/21	6.3	0.0
DEKALB X 663	30	6/21	6.0	0.0
PENNGRAIN 85	30	6/23	0.5	0.0
PAYMASTER 1096Y	29	6/21	6.8	0.0
FUNK'S G 1602	29	6/22	2.5	0.0
PIONEER 8222	29	6/23	4.3	0.0
STAUFFER S9525	28	6/17	3.0	0.0
PIONEER XS 466	28	6/21	3.8	0.0
FUNK'S G 611	28	6/22	3.0	0.0
AFC 863	28	6/22	1.8	0.0
DEKALB X 659	28	6/22	0.5	0.0
DEKALB X 4421	27	6/21	2.3	0.0
PIONEER 8333	27	6/22	5.5	0.0
PIONEER 8301	27	6/22	0.5	0.0
TERRA T-48	27	6/18	2.5	0.0
HYPERFORMER 980CS5	27	6/23	3.8	0.0
PIONEER 8728	26	6/17	5.0	0.0
FUNK'S G 1645	26	6/20	4.3	0.0
AFC 861	26	6/22	4.3	0.0
TERRA T-46	25	6/23	2.3	0.0
PIONEER XS 358	25	6/22	5.0	0.0
AFC 862	25	6/20	1.3	0.0
PAYMASTER DR 1125	24	6/19	5.0	0.0
NORTHROP KING 2244	24	6/18	5.0	0.0
PIONEER XS 623	23	6/23	4.3	0.0
DEKALB X 651	22	6/18	6.8	0.0
HYPERFORMER 671CS5	22	6/18	2.8	0.0
PIONEER 8226	11	6/28	0.0	0.0
TEST MEAN	29			
L.S.D. (.05)	9.9			
C.V. (%)	24.7			

<sup>1/</sup>SHORTER, AL

Table 15. Ratings of Damage to Grain Sorghum Caused by Methyl Parathion and Corresponding Yield, Monroeville, 1986

Brand/Hybrid	Rating <sup>1/</sup> mean	Yield/ acre Bu.
N-K Savanna 5	3.00	28.1
Paymaster 1022	3.00	34.3
AgraTech GK 712G	2.50	38.2
Asgrow Topaz	2.50	38.5
P-A-G 4462	2.50	37.6
Hyperformer Honcho	2.25	33.6
Taylor Evans Y-75	2.00	45.2
Pioneer 8333	1.50	52.8
Pioneer 8222	1.25	54.6
AgraTech GK 522G	1.00	41.5
Asgrow Opal	1.00	55.0
Asgrow Sierra	1.00	36.1
DeKalb M-565	1.00	58.1
FFR 321	1.00	57.0
FFR 421DR	1.00	54.3
Hyperformer 1225DR	1.00	50.1
Northrup King 2660	1.00	50.4
P-A-G 5572	1.00	52.9
Penn. Penngrain YE	1.00	50.9
Stauffer S-9750	1.00	55.1
Taylor-Evans Dinero	1.00	45.3
Terra HT 124	1.00	56.1
Terra HT 126DR	1.00	53.6
AgraTech GK 802G	.75	50.9
FFR 331	.75	54.7
Funk's G-522A	.75	54.7
Hyperformer 1330DR	.75	62.5
McCurdy M57YG	.75	59.3
McCurdy M747	.75	51.0
Northrup King 2660	.75	50.4
Coker 7675	.50	55.7
Funk's G-1711	.50	58.8
Funk's G-522DR	.50	54.0
Penn. Penngrain DR	.50	50.6
Pioneer 8300	.50	53.4
Funk's RA 787	.50	51.0
Asgrow Chapparal	.25	55.9
DeKalb DK-64BR	.25	46.6
Paymaster R1090	.25	54.8
Dekalb DK 64	-0-	46.4

<sup>1/</sup> Rating scale: 0 = no damage, 1 = light damage, 2 = moderate damage, and 3 = heavy damage.

Table 16. Wiregrass Substation Grain Sorghum Ratoon and Total Yield of Variety Test 1986.

Brand/hybrid	Yield of grain/acre		
	First harvest <sup>1/</sup> Bu.	Ratoon <sup>2/</sup> Bu.	Total Bu.
Funk's G-1711	57	15	72
FFR 331	53	7	60
Taylor-Evans Dinero	51	10	61
DeKalb DK64	50	23	73
FFR 321	50	12	62
Hyperformer Honcho	49	16	65
Asgrow Opal	49	15	64
Paymaster R1090	49	9	58
Pioneer 8333	48	20	68
McCurdy M-57YG	48	17	65
Northrup King 2660	47	16	63
Pioneer 8300	47	16	63
DeKalb DK-64BR*	47	17	64
McCordy M-747	47	11	58
Funks RA 787	46	16	62
Hyperformer 1225DR	46	8	54
AgraTech GK 712G	45	14	59
Terra HT124	45	11	56
Funk's G-522DR	44	13	57
AgraTech GK 802G	44	10	54
N-K Savanna 5*	44	29	73
Penn. Penngrain DR	43	17	60
P-A-G 5572	43	11	54
Hyperformer 1330 DR	42	7	49
Asgrow sierra	42	12	54
Stauffer S-9750	41	20	61
Coker 7675	40	13	53
Asgrow chapparal	40	25	65
DeKalb M-565	40	12	52
Terra HT 126DR	40	17	57
Pioneer 8222	39	12	51
Northrup King 2665	39	15	54
Penn. Penngrain YE	37	12	49
Taylor-Evans Y-75	37	19	56
Funk's G-522A	36	11	47
FFR 421 DR	34	12	46
Asgrow Topaz	34	18	52
AgraTech GK552G	34	16	50
P-A-G 4462	34	19	53
Paymaster 1020	30	20	50

<sup>1/</sup> Regular crop harvested July 23.

<sup>2/</sup> Ratoon crop harvested November 6.

\* Bird-resistant variety.

Table 17. Plant Height of Grain Sorghum Hybrids by Region or Location<sup>1/</sup>, 1986

Brand	Hybrid	Plant height by region				
		Northern	Central	Marion Junction	Southern	Fairhope
		In.	In.	In.	In.	In.
AgraTech	GK 802G	35	30	42	39	55
AgraTech	GK 712G	32	30	41	40	50
AgraTech	GK 552G	39	33	51	39	59
Asgrow	Chapparal	38	33	47	40	55
Asgrow	Opal	37	33	43	39	57
Asgrow	Sierra	35	33	43	39	51
Asgrow	Topaz	35	31	43	39	56
Coker	7675	36	31	44	39	57
DeKalb	DK 64	38	35	56	42	57
DeKalb	DK 64BR	47	40	65	52	68
DeKalb	M565	35	31	43	37	55
FFR	321	35	30	43	41	55
FFR	331	43	34	53	46	67
FFR	421 DR	37	34	47	41	58
Funk's	G-522A	32	31	41	38	41
Funk's	G-522DR	35	32	43	38	56
Funk's	G-1711	37	32	47	41	59
Funk's	RA 787	38	33	49	40	59
HyPerformer	1225DR	35	31	43	39	54
HyPerformer	1330DR	41	35	54	44	67
HyPerformer	Honcho	31	30	40	38	47
McCurdy	M-57YG	38	33	48	44	58
McCurdy	M-747	37	31	44	41	55
Northrup King	2660	36	32	42	40	55
Northrup King	2665	35	29	45	39	53
Northrup King	Savanna 5	44	38	61	50	70
P-A-G	4462	38	33	48	43	57
P-A-G	5572	37	30	46	40	58
Paymaster	R1090	35	32	44	40	56
Paymaster	1022	36	31	46	40	54
Pennington	Penngrain YE	33	30	40	37	52
Pennington	Penngrain DR	35	31	44	43	55
Pioneer	8222	36	33	45	41	54
Pioneer	8300	38	34	46	44	58
Pioneer	8333	35	31	45	39	53
Stauffer	S-9750	37	32	48	40	58
Terra	HT 126DR	35	31	44	40	55
Terra	HT 124	33	32	39	39	52

<sup>1/</sup> Northern region (Belle Mina, Crossville, and Winfield); central region (Prattville and Shorter); southern region (Monroeville and Headland).



Sources of Seed for the 1986 Grain Sorghum Tests

Entry designation	Source of seed
AFC brand hybrids.....	Alabama Farmers Cooperative P.O. Box 2227 Decatur, AL 35602
AgraTech brand hybrids.....	AgraTech Seeds, Inc. P.O. Box 644 Ashburn, GA 31714
Asgrow brand hybrids.....	Asgrow Seed Company 7000 Portage Road Kalamazoo, MI 49001
Coker brand hybrids.....	Rohn and Haas Seeds, Inc. P.O. Box 2629, 406 Woods West Memphis, AR 72301
DeKalb brand hybrids.....	DeKalb Ag. Research, Inc. Route 2 Lubbock, TX 79408
FFR brand hybrids.....	FFR Cooperative 4112 E. State Road 225 W. Lafayette, IN 47906
Funk's brand hybrids.....	Funk Seeds International P.O. Box 280 Senatobia, MS 38668
HyPerformer brand hybrids.....	HyPerformer Seed Company 5100 Poplar Avenue Memphis, TN 38137
McCurdy brand hybrids.....	McCurdy Seed Company P.O. Box 66 Fremont, IA 52561
Northrup King brand hybrids.....	Northrup King Company P.O. Box 151 Columbus, Mississippi 39701
P-A-G brand hybrids.....	PAG Seeds P.O. Box 1630 Plainview, TX 79072
Paymaster brand hybrids.....	Paymaster Seeds P.O. BOX 1630 Plainview, TX 79072

(continued on the following page)

Sources of Seed for the 1986 Grain Sorghum Tests (continued)

Entry designation	Source of Seed
Pennington brand hybrids.....	Pennington Seed, Inc. P.O. Box 290 Madison, GA 30650
Pioneer brand hybrids.....	Pioneer Hi-bred International, Inc. 100 West Jefferson Street Tipton, IN 46072
Stauffer brand hybrids.....	Stauffer Seeds, Inc. Box 377 Lone Tree, IA 52755
Taylor-Evans brand hybrids.....	Taylor-Evans Seed Company P.O. Box 68 Tulia, TX 79088
Terra brand hybrids.....	Terra Seed Company P.O. Box 10121 Lubbock, TX 79408

ACCEPTABLE HYBRIDS FOR 1987

All acceptable hybrids have been tested for 3 consecutive years in the region listed. All of the acceptable hybrids are not equal in performance. It is suggested that this report be carefully studied before choosing a hybrid. The hybrids are listed in descending order of 3-year-average yield for each region.

**NORTHERN ALABAMA**

<u>Brand name</u>	<u>Hybrid</u>
Northrup King	Savanna 5*
Funk's	G-522DR
Terra	HT 126DR
HyPerformer	1330DR
McCurdy	M-57YG
Northrup King	2660
Pioneer	8300
AgraTech	GK 712G
Pioneer	8222
HyPerformer	1225DR
Coker	7675
Funk's	G-522A
AgraTech	GK 802G
Taylor-Evans	Dinero
** Asgrow	Opal
** Asgrow	Topaz
** Taylor-Evans	Y-75
** DeKalb	M565

**SOUTHERN ALABAMA**

<u>Brand name</u>	<u>Hybrid</u>
Northrup King	Savanna 5*
Terra	HT 126DR
AgraTech	GK 802G
McCurdy	M-57YG
Northrup King	2660
HyPerformer	1225DR
Pioneer	8222
Pioneer	8333
Pioneer	8300
Coker	7675
Pennington	Penngrain YE
AgraTech	GK 712G
Taylor-Evans	Dinero
Funk's	G-522DR
DeKalb	DK 64
Funk's	G-522A
HyPerformer	1330DR
** FFR	321
** Taylor-Evans	Y-75
** Asgrow	Opal
** Paymaster	R1090

**CENTRAL ALABAMA**

<u>Brand name</u>	<u>Hybrid</u>
Funk's	G-1711
Northrup King	Savanna 5*
HyPerformer	1330DR
Funk's	G-522DR
Terra	HT 126DR
AgraTech	GK 802G
HyPerformer	1225DR
Coker	7675
Pioneer	8222
McCurdy	M-57YG
Pennington	Panngrain DR
Funk's	G-522A
Pennington	Penngrain YE
Taylor-Evans	Dinero

\*Bird-resistant hybrid.

\*\*Recommendation based on exceptional 2-year performance.





