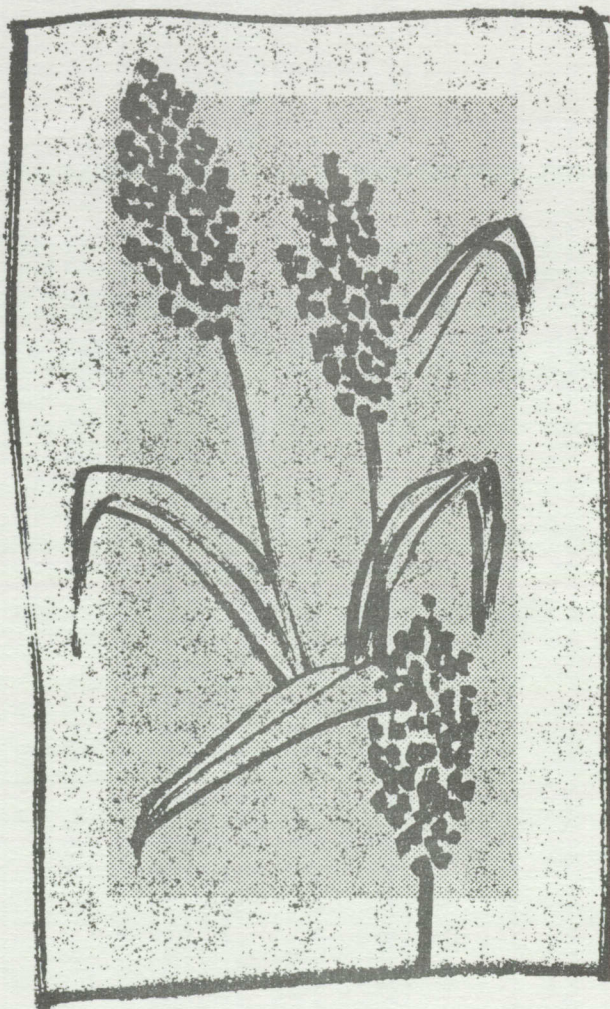


December 1990 Agronomy and Soils Departmental Series No. 149  
Alabama Agricultural Experiment Station Lowell T. Frobish, Director  
Auburn University Auburn University, Alabama



PERFORMANCE OF  
GRAIN SORGHUM HYBRIDS  
IN ALABAMA  
1990



## TABLE OF CONTENTS

	Page
INTRODUCTION.....	5
EXPERIMENTAL PROCEDURES.....	5
VARIETY COMPARISONS.....	6
ACKNOWLEDGMENTS.....	8
TABLE 1. LOCATIONS AND CULTURAL PRACTICES FOR THE 1990 GRAIN SORGHUM HYBRID TESTS.....	9
TABLE 2. GROWING SEASON RAINFALL, 1989-90.....	10
NORTHERN ALABAMA	
TABLE 3. YIELD AND LODGING AVERAGES FOR NORTHERN ALABAMA, 1988-90.	11
TABLE 4. CROSSVILLE GRAIN SORGHUM HYBRID TRIAL, 1990.....	12
TABLE 5. WINFIELD GRAIN SORGHUM HYBRID TRIAL, 1990.....	13
CENTRAL ALABAMA	
TABLE 6. YIELD AND LODGING AVERAGES FOR CENTRAL ALABAMA, 1988-90..	14
TABLE 7. PRATTVILLE GRAIN SORGHUM HYBRID TRIAL, 1990.....	15
TABLE 8. MARION JUNCTION GRAIN SORGHUM HYBRID TRIAL, 1990.....	16
TABLE 9. SHORTER GRAIN SORGHUM HYBRID TRIAL, 1990.....	17
SOUTHERN ALABAMA	
TABLE 10. YIELD AND LODGING AVERAGES FOR SOUTHERN ALABAMA, 1988-90.	18
TABLE 11. MONROEVILLE GRAIN SORGHUM HYBRID TRIAL, 1990.....	19
TABLE 12. FAIRHOPE GRAIN SORGHUM HYBRID TRIAL, 1990.....	20
TABLE 13. HEADLAND GRAIN SORGHUM HYBRID TRIAL, 1990.....	21
TABLE 14. PLANT HEIGHT OF GRAIN SORGHUM HYBRIDS BY REGION OR LOCATION, 1990.....	22
SOURCES OF SEED FOR THE 1990 GRAIN SORGHUM TESTS.....	23
ACCEPTABLE HYBRIDS FOR 1991.....	24

Information contained herein is available to all persons regardless  
of race, color, sex, or national origin.



## PERFORMANCE OF GRAIN SORGHUM HYBRIDS IN ALABAMA, 1990

D. L. Thurlow and W. C. Johnson<sup>1</sup>

### 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.

Time (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.

---

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

Bird damage was heavy and relatively uniform in 1988 at the following locations: Sand Mountain Substation, Crossville; Prattville Experiment Field, Prattville; and Gulf Coast Substation, Fairhope. Damage in 1989 was heavy at Prattville Experiment Field, Prattville, and E.V. Smith Research Center, Shorter. The test at Prattville Field was discarded because of the bird problem in 1989, but it had only moderate damage in 1990. There was considerable damage at the Tennessee Valley Substation, Belle Mina, on a few of the early varieties in 1989 and the test was discarded in 1990 because of the bird problem. Damage was light to none at the following locations in 1989 and 1990: Upper Coastal Plain Substation, Winfield; Monroeville Experiment Field, Monroeville; and Wiregrass Substation, Headland. 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.

#### 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. 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.

Anthrachnose has become a major factor in grain sorghum production in Alabama, and there were sporadic outbreaks of this disease during the 1987 growing season, but none were observed in 1988, 1989, or 1990. In years prior to 1987, 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 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 and Pioneer Brand 8222. Good management plus use of disease-resistant grain sorghum hybrids are necessary to reduce losses to anthracnose.

There was not a second or ratoon crop of sorghum in 1989 or 1990 at any location. Plant height of grain sorghum hybrids is reported as regional averages (central, northern, southern) and a single location of Fairhope, table 14.

The rainfall during June and July in 1989 was good at all locations, resulting in good yields except where bird damage was a problem, table 2. However, rainfall in 1990 during these two months was quite variable.

## 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, H. E. Burgess,  
B. E. Norris

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

Upper Coastal Plain Substation, Winfield - W. A. Griffey, R. C. Rawls

### Central Alabama

Black Belt Substation, Marion Junction - J. L. Holliman, J.R. Harris

Prattville Experiment Field, Prattville - D. P. Moore

E. V. Smith Research Center, Shorter - R. R. Duffield

### Southern Alabama

Monroeville Experiment Field, Monroeville - J. R. Akridge

Wiregrass Substation, Headland - H. W. Ivey, L. W. Wells, B. F. Gamble

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

Appreciation is also expressed to Mien-Huei Tzeng 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 1990 Grain Sorghum Hybrid Tests

Location	Planting date	Nitrogen <sup>1</sup> rate	Plant population	Harvest date	Herbicides	Insecticides
Tennessee Valley Substation (Belle Mina)	May 3	85	60,000	No harvest	Atrazine <sup>2</sup>	None
Sand Mountain Substation (Crossville)	May 3	126	60,000	August 27	Atrazine	None
Upper Coastal Plain Substation (Winfield)	April 14	80	60,000	September 24	None	None
E. V. Smith Research Center (Shorter)	April 20	80	60,000	August 7	Atrazine	Furadan
Black Belt Substation (Marion Junction)	May 25	107	60,000	August 21	Gramoxone & Atrazine	Lanate
Prattville Experiment Field (Prattville)	April 6	120	60,000	August 6	Atrazine	Nudrin
Monroeville Experiment Field (Monroeville)	April 20	120	60,000	August 3 & 6	Atrazine	Sevin, Lorsban
Wiregrass Substation (Headland)	April 13	100	60,000	July 25	Atrazine	None
Gulf Coast Substation (Fairhope)	April 17	120	60,000	August 8	Atrazine	Lorsban Lanate

<sup>1</sup>Pounds per acre N. Lime, phosphorus, potassium, zinc, and sulfur were applied according to recommendation based on soil test.

<sup>2</sup>All Atrazine was applied broadcast when the sorghum was approximately 4 inches high.

Table 2. Growing Season Rainfall

Test location	Year	Monthly rainfall							7 months total
		Mar.	Apr.	May	June	July	Aug.	Sept.	
		-----inches-----							
Belle Mina	1989	5.6	3.2	3.9	13.5	5.1	2.8	3.9	37.9
	1990	8.0	4.5	5.0	3.9	3.8	1.2	1.5	27.9
Crossville	1989	5.8	3.3	3.4	8.3	9.1	1.8	8.9	40.6
	1990	7.4	3.4	4.1	3.5	2.0	2.0	3.9	26.3
Winfield	1989	5.0	3.8	4.5	8.3	7.3	3.3	5.7	37.9
	1990	6.9	3.2	7.2	7.3	3.1	2.1	2.7	25.5
Shorter	1989	9.5	7.0	3.5	14.4	9.0	1.9	5.8	51.1
	1990	10.9	2.9	4.6	1.7	2.0	2.4	2.1	26.6
Prattville	1989	7.1	6.0	3.2	10.7	8.1	1.0	2.0	38.1
	1990	10.1	1.6	4.8	1.6	6.1	1.3	0.3	25.8
Marion Junction	1989	7.3	5.5	1.9	9.3	5.7	1.3	1.5	32.5
	1990	9.9	4.5	5.0	1.6	3.5	0.8	0.7	26.0
Monroeville	1989	7.0	8.2	3.6	13.4	7.3	1.7	4.5	45.7
	1990	9.0	4.5	6.2	0.7	5.3	2.3	1.8	29.8
Fairhope	1989	4.3	2.9	7.0	18.5	8.9	2.2	0.8	44.6
	1990	10.4	2.5	4.9	6.2	5.8	0.9	1.6	32.3
Headland	1989	5.2	3.0	5.6	11.6	7.2	1.9	5.1	39.6
	1990	4.3	2.1	3.5	2.7	3.2	0.8	0.8	17.4

TABLE 3. YIELD AND LODGING AVERAGES FOR NORTHERN ALABAMA,<sup>1/</sup> 1988-90

BRAND-HYBRID	YIELD PER ACRE		LODGED STALKS	
	BU.		PCT.	
CAPEHART CHALLENGER	80		8.7	
NEW NK SAVANNA 5 *	80		20.9	
AFC 861	79		5.4	
NEW NK 2660	79		13.5	
DELTAPINE G-522A	78		10.0	
PIONEER 8222	78		3.6	
SUMMIT HT 126 DR	77		13.5	
FFR 321 DR	76		13.4	
AGRATECH GK802G	76		10.3	
CAPEHART CONTENDER	76		14.1	
HY PERFORMER 1225 DR	74		12.7	
DELTAPINE RA 787	73		10.1	
DELTAPINE G-522 DR	72		12.1	
DELTAPINE G-1711	72		7.9	
HY PERFORMER WINGS	72		6.6	
DEKALB DK 60	71		2.9	
PIONEER 8333	71		7.7	
DEKALB DK 64	69		13.3	
HY PERFORMER 1330 DR	69		10.1	
CAPEHART CHAMPION	68		20.7	
AGRATECH GK712G	68		10.7	
HY PERFORMER CHEROKEE	65		10.3	
PENN PENNGRAIN DR	61		13.2	
CARGILL 4462	59		10.7	

<sup>1/</sup> BELLE MINA, CROSSVILLE, AND WINFIELD. BELLE MINA DATA FOR 1990  
 NOT INCLUDED DUE TO BIRD DAMAGE.  
 \* BIRD-RESISTANT HYBRID.

TABLE 4. CROSSVILLE GRAIN SORGHUM HYBRID TRIAL, 1990

BRAND-HYBRID	1990	1989-90	1988-90	1990		
	YIELD	2-YR. AV.	3-YR. AV.	MID- BLOOM	BIRD DAMAGE	LODGED STALKS
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
NEW NK SAVANNA 5 *	71	95	92	7/21	0.0	81.3
DELTAPINE G-522A	64	83	78	7/20	35.0	30.0
FFR 321 DR	66	84	77	7/22	31.3	6.3
AGRATECH GK802G	57	83	75	7/22	32.5	2.5
HY PERFORMER 1225 DR	62	84	75	7/22	25.0	5.0
CAPEHART CONTENDER	63	85	75	7/21	32.5	3.8
SUMMIT HT 126 DR	63	82	74	7/21	30.0	5.0
NEW NK 2660	58	80	74	7/22	35.0	7.5
PIONEER 8222	53	81	74	7/21	32.5	6.3
AFC 861	55	84	73	7/22	30.0	13.8
DELTAPINE G-522 DR	64	79	72	7/22	35.0	1.3
HY PERFORMER WINGS	52	77	72	7/22	36.3	18.8
CAPEHART CHALLENGER	54	78	70	7/22	25.0	7.5
AGRATECH GK712G	59	75	70	7/20	22.5	13.8
PIONEER 8333	60	78	70	7/20	32.5	21.3
DELTAPINE G-1711	53	76	69	7/23	30.0	8.8
PENN PENNGRAIN DR	63	75	65	7/22	32.5	2.5
HY PERFORMER CHEROKEE	64	80	65	7/21	22.5	22.5
HY PERFORMER 1330 DR	46	76	65	7/23	43.8	31.3
DELTAPINE RA 787	48	72	64	7/22	35.0	13.8
CAPEHART CHAMPION	49	76	63	7/23	37.5	62.5
DEKALB DK 60	61	85	61	7/23	15.0	2.5
CARGILL 4462	42	64	58	7/21	46.3	16.3
DEKALB DK 64	46	70	56	7/20	45.0	16.3
NEW NK KS 780	58	82	-	7/22	28.8	6.3
AFC 402	52	80	-	7/22	33.8	5.0
PIONEER 8230	55	71	-	7/20	32.5	45.0
BIG CROP OLE'	67	-	-	7/21	32.5	3.8
NEW NK KS 786	63	-	-	7/24	20.0	17.5
DEKALB DK 64BR *	62	-	-	7/19	0.0	90.0
PIONEER 8313	61	-	-	7/22	20.0	22.5
CARGILL X 15277	60	-	-	7/22	35.0	1.3
DEKALB X 977	59	-	-	7/20	30.0	2.5
CAPEHART CREAM	57	-	-	7/20	31.3	7.5
BIG CROP ULTIMA	57	-	-	7/21	32.5	1.3
HY PERFORMER EXP. 89-3	56	-	-	7/21	40.0	2.5
BIG CROP OPTIMA	56	-	-	7/22	31.3	28.8
CARGILL 847	55	-	-	7/23	26.3	33.8
DELTAPINE 6012XS	53	-	-	7/21	42.5	1.3
CARGILL 630	52	-	-	7/20	32.5	8.8
FFR 331 DR	51	-	-	7/22	36.3	50.0
DEKALB X 866	51	-	-	7/22	27.5	16.3
AGRATECH 805GW	50	-	-	7/20	37.5	7.5
DEKALB X 980	45	-	-	7/24	27.5	6.3
TEST MEAN	57					
L. S. D. (.05)	9.1					
C. V. (%)	11.5					

\* BIRD-RESISTANT HYBRID.

TABLE 5. WINFIELD GRAIN SORGHUM HYBRID TRIAL, 1990

BRAND-HYBRID	1990					
	1990	1989-90	1988-90	MID-	BIRD	LODGED
	YIELD	2-YR. AV.	3-YR. AV.	BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
AFC 861	48	67	86	-	0.0	17.5
CAPEHART CHALLENGER	41	68	82	-	0.0	42.5
PIONEER 8222	50	71	80	-	0.0	15.0
DELTAPINE G-522A	49	71	79	-	0.0	28.8
HY PERFORMER 1330 DR	30	58	78	-	0.0	27.5
NEW NK SAVANNA 5 *	40	55	77	-	0.0	42.5
NEW NK 2660	29	60	75	-	0.0	71.3
CAPEHART CONTENDER	29	60	75	-	0.0	80.0
DELTAPINE RA 787	37	65	74	-	0.0	46.3
CAPEHART CHAMPION	22	52	74	-	0.0	60.0
DELTAPINE G-1711	35	60	74	-	0.0	37.5
FFR 321 DR	24	61	73	-	0.0	72.5
DEKALB DK 60	23	60	71	-	0.0	13.8
AGRATECH GK802G	33	58	71	-	0.0	57.5
SUMMIT HT 126 DR	25	57	71	-	0.0	75.0
DEKALB DK 64	26	56	71	-	0.0	60.0
HY PERFORMER 1225 DR	30	59	71	-	0.0	68.8
CARGILL 4462	30	49	70	-	0.0	45.0
PIONEER 8333	41	65	70	-	0.0	23.8
HY PERFORMER WINGS	37	55	68	-	0.0	18.8
DELTAPINE G-522 DR	28	57	68	-	0.0	70.0
HY PERFORMER CHEROKEE	35	52	67	-	0.0	37.5
AGRATECH GK712G	35	55	63	-	0.0	48.8
PENN PENNGRAIN DR	30	39	53	-	0.0	75.0
NEW NK KS 780	42	64	-	-	0.0	42.5
AFC 402	27	60	-	-	0.0	45.0
PIONEER 8230	36	57	-	-	0.0	22.5
DELTAPINE 6012XS	73	-	-	-	0.0	2.5
CARGILL 847	52	-	-	-	0.0	25.0
NEW NK KS 786	51	-	-	-	0.0	27.5
HY PERFORMER EXP. 89-3	50	-	-	-	0.0	20.0
BIG CROP ULTIMA	49	-	-	-	0.0	10.0
CARGILL X 15277	47	-	-	-	0.0	38.8
DEKALB X 866	46	-	-	-	0.0	22.5
CAPEHART CREAM	45	-	-	-	0.0	0.0
DEKALB X 977	43	-	-	-	0.0	7.5
CARGILL 630	40	-	-	-	0.0	7.5
PIONEER 8313	37	-	-	-	0.0	50.0
AGRATECH 805GW	36	-	-	-	0.0	15.0
BIG CROP OLE'	29	-	-	-	0.0	77.5
BIG CROP OPTIMA	26	-	-	-	0.0	55.0
FFR 331 DR	26	-	-	-	0.0	77.5
DEKALB DK 64BR *	20	-	-	-	0.0	33.8
DEKALB X 980	19	-	-	-	0.0	77.5
TEST MEAN	36					
L. S. D. (.05)	15.9					
C. V. (%)	31.2					

\* BIRD-RESISTANT HYBRID.

TABLE 6. YIELD AND LODGING AVERAGES FOR CENTRAL ALABAMA,<sup>1/</sup> 1987-90

BRAND-HYBRID	YIELD PER ACRE		LODGED STALKS	
	BU.		PCT.	
NEW NK SAVANNA 5 *	56		2.6	
DELTAPINE G-522A	55		1.4	
DELTAPINE RA 787	51		0.6	
HY PERFORMER 1225 DR	51		1.1	
SUMMIT HT 126 DR	51		1.8	
DELTAPINE G-1711	51		3.1	
FFR 321 DR	50		2.2	
PIONEER 8333	50		0.3	
PENN PENNGRAIN DR	50		2.5	
NEW NK 2660	49		2.9	
AGRATECH GK712G	49		0.6	
DELTAPINE G-522 DR	49		3.2	
HY PERFORMER 1330 DR	48		3.6	
HY PERFORMER WINGS	46		3.1	
AGRATECH GK802G	45		2.9	
CARGILL 4462	43		9.0	
DEKALB DK 64	41		5.1	

<sup>1/</sup> PRATTVILLE, SHORTER, AND MARION JUNCTION.  
 PRATTVILLE, 1987-88&1990.  
 SHORTER, 1988-90.  
 MARION JUNCTION, 1987&1989-90.  
 \* BIRD-RESISTANT HYBRID.

TABLE 7. PRATTVILLE GRAIN SORGHUM HYBRID TRIAL, 1990

BRAND-HYBRID	1990	1988&'90	1987-88&'90	1990		
	YIELD	2-YR. AV.	3-YR. AV.	MID-	BIRD	LODGED
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
PIONEER 8333	42	37	46	-	11.3	0.0
DELTAPINE G-522A	40	37	44	-	11.3	3.8
DELTAPINE RA 787	46	38	44	-	5.0	0.0
DEKALB DK 64BR *	30	38	43	-	6.3	11.3
AGRATECH GK712G	42	36	42	-	5.0	0.0
DELTAPINE G-522 DR	35	36	41	-	6.3	0.0
NEW NK SAVANNA 5 *	32	38	41	-	5.0	1.3
PENN PENNGRAIN DR	43	37	40	-	5.0	0.0
NEW NK 2660	35	34	39	-	6.3	0.0
SUMMIT HT 126 DR	35	33	39	-	6.3	0.0
DELTAPINE G-1711	44	36	38	-	7.5	0.0
HY PERFORMER 1330 DR	45	38	37	-	7.5	0.0
FFR 321 DR	37	37	36	-	10.0	0.0
HY PERFORMER 1225 DR	39	34	35	-	5.0	0.0
AGRATECH GK802G	33	28	34	-	6.3	0.0
CARGILL 4462	35	33	33	-	8.8	1.3
HY PERFORMER WINGS	27	28	31	-	6.3	0.0
DEKALB DK 64	29	25	28	-	11.3	7.5
FFR 331 DR	43	38	-	-	7.5	2.5
HY PERFORMER CHEROKEE	46	38	-	-	7.5	0.0
CAPEHART CHAMPION	38	37	-	-	6.3	1.3
CAPEHART CHALLENGER	41	36	-	-	6.3	0.0
AFC 861	42	35	-	-	5.0	0.0
CAPEHART CONTENDER	32	33	-	-	7.5	1.3
PIONEER 8222	36	32	-	-	12.5	1.3
DEKALB DK 60	12	19	-	-	10.0	0.0
NEW NK KS 786	47	-	-	-	6.3	0.0
PIONEER 8313	45	-	-	-	8.8	0.0
CARGILL 847	43	-	-	-	5.0	0.0
CAPEHART CREAM	41	-	-	-	5.0	1.3
PIONEER 8230	40	-	-	-	5.0	0.0
AGRATECH 805GW	40	-	-	-	2.5	0.0
BIG CROP OPTIMA	40	-	-	-	5.0	1.3
BIG CROP ULTIMA	40	-	-	-	6.3	0.0
DEKALB X 866	39	-	-	-	5.0	1.3
DELTAPINE 6012XS	39	-	-	-	12.5	0.0
DEKALB X 980	38	-	-	-	8.8	0.0
CARGILL X 15277	37	-	-	-	8.8	0.0
AFC 402	34	-	-	-	3.8	1.3
DEKALB X 977	34	-	-	-	5.0	1.3
BIG CROP OLE'	33	-	-	-	6.3	0.0
HY PERFORMER EXP. 89-3	32	-	-	-	6.3	0.0
NEW NK KS 780	31	-	-	-	3.8	0.0
CARGILL 630	28	-	-	-	6.3	0.0
TEST MEAN	37					
L. S. D. (.05)	12.1					
C. V. (%)	23.2					

\* BIRD-RESISTANT HYBRID.

TABLE 8. MARION JUNCTION GRAIN SORGHUM HYBRID TRIAL, 1990

BRAND-HYBRID	1990					
	1990	1989-90	1987&'89-90	MID-	BIRD	LODGED
	YIELD	2-YR. AV.	3-YR. AV.	BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MD./DAY	PCT.	PCT.
NEW NK 2660	99	102	80	7/2	11.3	0.0
NEW NK SAVANNA 5 *	95	102	80	7/3	1.3	0.0
FFR 321 DR	96	101	79	7/2	8.8	0.0
DELTAPINE G-522A	102	98	78	6/30	16.3	0.0
HY PERFORMER 1225 DR	96	100	78	7/3	13.8	0.0
HY PERFORMER 1330 DR	88	95	78	7/3	22.5	0.0
DELTAPINE G-1711	92	102	77	7/5	18.8	0.0
SUMMIT HT 126 DR	84	96	76	7/4	11.3	0.0
DELTAPINE RA 787	95	96	76	7/3	18.8	0.0
PENN PENNGRAIN DR	89	90	74	7/3	20.0	0.0
DELTAPINE G-522 DR	92	92	73	7/4	12.5	0.0
AGRATECH GK802G	93	93	72	7/2	18.8	0.0
HY PERFORMER WINGS	79	91	71	7/5	18.8	0.0
AGRATECH GK712G	95	89	69	7/1	10.0	0.0
CARGILL 4462	100	87	67	7/1	10.0	0.0
PIONEER 8333	86	86	66	7/1	21.3	0.0
DEKALB DK 64	67	79	66	7/2	36.3	0.0
CAPEHART CONTENDER	105	104	-	7/3	15.0	0.0
CAPEHART CHALLENGER	101	103	-	7/3	16.3	0.0
AFC 861	96	102	-	7/4	17.5	0.0
DEKALB DK 60	86	98	-	7/6	21.3	0.0
AFC 402	89	94	-	7/3	11.3	0.0
PIONEER 8222	85	94	-	7/3	10.0	0.0
NEW NK KS 780	87	94	-	7/4	16.3	0.0
HY PERFORMER CHEROKEE	80	90	-	7/2	17.5	0.0
CAPEHART CHAMPION	79	89	-	7/5	23.8	0.0
PIONEER 8230	87	81	-	7/2	12.5	0.0
CARGILL X 15277	103	-	-	6/30	11.3	0.0
HY PERFORMER EXP. 89-3	100	-	-	7/3	16.3	0.0
BIG CROP OLE'	96	-	-	7/3	13.8	0.0
PIONEER 8313	96	-	-	7/2	13.8	0.0
DEKALB X 866	92	-	-	7/4	20.0	0.0
AGRATECH 805GW	92	-	-	6/30	10.0	0.0
BIG CROP ULTIMA	91	-	-	7/5	15.0	0.0
BIG CROP OPTIMA	90	-	-	7/4	20.0	0.0
NEW NK KS 786	90	-	-	7/5	17.5	0.0
DEKALB X 977	87	-	-	7/1	13.8	0.0
FFR 331 DR	86	-	-	7/4	20.0	0.0
CAPEHART CREAM	86	-	-	7/1	11.3	0.0
DEKALB X 980	85	-	-	7/5	25.0	0.0
CARGILL 847	84	-	-	7/6	12.5	0.0
DELTAPINE 6012XS	81	-	-	6/30	17.5	0.0
CARGILL 630	80	-	-	7/1	13.8	0.0
DEKALB DK 64BR *	71	-	-	7/2	0.0	0.0
TEST MEAN	90					
L. S. D. (.05)	19.2					
C. V. (%)	15.3					

\* BIRD-RESISTANT HYBRID.



TABLE 9. SHORTER GRAIN SORGHUM HYBRID TRIAL, 1990

BRAND-HYBRID	1990 YIELD	1989-90 2-YR. AV.	1988-90 3-YR. AV.	1990		
				MID-	BIRD	LODGED
				BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MO. /DAY	PCT.	PCT.
NEW NK SAVANNA 5 *	39	39	47	6/25	6.3	1.3
PIONEER 8222	31	32	43	6/29	26.3	0.0
DEKALB DK 60	27	27	42	7/3	13.8	0.0
DELTAPINE G-522A	40	33	41	6/24	13.8	0.0
HY PERFORMER 1225 DR	31	28	39	6/29	18.8	0.0
HY PERFORMER CHEROKEE	28	30	39	6/24	11.3	0.0
CAPEHART CHALLENGER	38	31	39	6/27	12.5	0.0
CAPEHART CONTENDER	29	27	38	6/27	21.3	0.0
AFC 861	35	30	38	6/27	21.3	0.0
PIONEER 8333	27	23	38	6/23	35.0	0.0
SUMMIT HT 126 DR	28	28	37	6/28	10.0	0.0
HY PERFORMER WINGS	29	30	36	6/27	6.3	0.0
DELTAPINE G-1711	31	24	36	6/27	28.8	0.0
AGRATECH GK712G	29	22	36	6/24	22.5	0.0
FFR 321 DR	29	26	35	6/28	25.0	0.0
PENN PENNGRAIN DR	32	25	35	6/28	13.8	0.0
DELTAPINE RA 787	28	25	33	6/28	23.8	0.0
DELTAPINE G-522 DR	32	25	33	6/27	16.3	0.0
HY PERFORMER 1330 DR	27	24	30	6/27	7.5	0.0
AGRATECH GK802G	24	23	29	6/30	6.3	0.0
NEW NK 2660	24	24	28	6/30	0.0	0.0
CARGILL 4462	24	22	28	6/23	3.8	1.3
DEKALB DK 64	27	22	28	6/25	11.3	1.3
CAPEHART CHAMPION	29	26	27	6/28	32.5	0.0
CARGILL X 15277	32	28	-	6/29	30.0	0.0
PIONEER 8230	29	27	-	6/23	10.0	0.0
AFC 402	31	27	-	6/26	20.0	0.0
BIG CROP OLE'	29	26	-	6/26	26.3	0.0
AGRATECH 805GW	33	26	-	6/23	7.5	0.0
BIG CROP OPTIMA	25	26	-	6/27	38.8	0.0
CARGILL 847	30	25	-	6/30	25.0	0.0
NEW NK KS 786	24	25	-	6/30	17.5	0.0
NEW NK KS 780	24	24	-	6/28	3.8	0.0
DEKALB X 866	34	-	-	6/27	16.3	0.0
DELTAPINE 6012XS	33	-	-	6/26	11.3	0.0
CAPEHART CREAM	33	-	-	6/23	0.0	0.0
HY PERFORMER EXP. 89-3	30	-	-	6/27	7.5	0.0
CARGILL 630	30	-	-	6/22	17.5	0.0
DEKALB X 977	30	-	-	6/23	21.3	0.0
PIONEER 8313	29	-	-	6/28	23.8	0.0
FFR 331 DR	28	-	-	6/26	15.0	0.0
BIG CROP ULTIMA	28	-	-	6/27	13.8	0.0
DEKALB X 980	20	-	-	6/30	38.8	0.0
DEKALB DK 64BR *	19	-	-	6/22	7.5	27.5
TEST MEAN	29					
L. S. D. (.05)	8.1					
C. V. (%)	19.6					

\* BIRD-RESISTANT HYBRID.

TABLE 10. YIELD AND LODGING AVERAGES FOR SOUTHERN ALABAMA,<sup>1/</sup> 1988-90

BRAND-HYBRID	YIELD PER ACRE	LODGED STALKS
	BU.	PCT.
DELTAPINE G-522 DR	83	0.3
PIONEER 8222	82	0.0
FFR 321 DR	80	1.4
DELTAPINE RA 787	79	1.8
HY PERFORMER CHEROKEE	79	0.3
HY PERFORMER WINGS	79	1.4
CAPEHART CHALLENGER	78	1.2
DEKALB DK 64	78	7.8
AFC 861	78	1.3
DELTAPINE G-1711	78	1.6
NEW NK 2660	77	0.1
CAPEHART CONTENDER	77	0.1
SUMMIT HT 126 DR	77	0.2
HY PERFORMER 1225 DR	76	1.4
NEW NK SAVANNA 5 *	76	5.1
PIONEER 8333	76	1.9
DELTAPINE G-522A	75	1.0
AGRATECH GK802G	74	0.2
CARGILL 4462	72	8.7
PENN PENNGRAIN DR	72	0.1
AGRATECH GK712G	71	1.2
DEKALB DK 60	71	0.0
HY PERFORMER 1330 DR	69	10.3
CAPEHART CHAMPION	64	14.9

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

TABLE 11. MONROEVILLE GRAIN SORGHUM HYBRID TRIAL, 1990

BRAND-HYBRID	1990					
	1990	1989-90	1988-90	MID-	BIRD	LODGED
	YIELD	2-YR. AV.	3-YR. AV.	BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MO. /DAY	PCT.	PCT.
DEKALB DK 64	77	93	88	6/20	-	17.5
PIONEER 8222	82	91	87	6/19	-	0.0
DELTAPINE G-522 DR	75	90	87	6/18	-	1.0
HY PERFORMER 1330 DR	81	92	87	6/19	-	46.3
AFC 861	81	92	86	6/19	-	4.3
DELTAPINE RA 787	81	93	85	6/20	-	3.5
FFR 321 DR	72	88	83	6/17	-	0.0
NEW NK SAVANNA 5 *	68	85	83	6/17	-	36.3
DELTAPINE G-1711	80	91	83	6/20	-	5.5
HY PERFORMER WINGS	79	87	83	6/19	-	2.3
CAPEHART CHAMPION	74	83	80	6/18	-	56.3
PIONEER 8333	80	81	80	6/17	-	0.5
NEW NK 2660	73	83	80	6/18	-	0.5
HY PERFORMER CHEROKEE	69	87	79	6/16	-	1.3
DEKALB DK 60	80	91	79	6/24	-	0.0
SUMMIT HT 126 DR	68	82	78	6/17	-	1.5
CAPEHART CHALLENGER	73	83	78	6/19	-	5.5
CAPEHART CONTENDER	73	82	77	6/18	-	0.5
AGRATECH GK802G	75	79	76	6/18	-	1.0
PENN PENNGRAIN DR	72	80	75	6/17	-	1.3
CARGILL 4462	66	75	75	6/16	-	52.5
HY PERFORMER 1225 DR	72	77	74	6/19	-	0.0
AGRATECH GK712G	67	78	74	6/16	-	0.5
DELTAPINE G-522A	65	75	71	6/16	-	3.8
AFC 402	84	91	-	6/21	-	1.8
NEW NK KS 780	72	84	-	6/19	-	0.0
PIONEER 8230	68	80	-	6/17	-	20.5
DELTAPINE 6012XS	99	-	-	6/20	-	0.0
AGRATECH 805GW	89	-	-	6/17	-	0.5
DEKALB X 980	85	-	-	6/23	-	0.0
CAPEHART CREAM	81	-	-	6/17	-	0.0
FFR 331 DR	81	-	-	6/20	-	22.5
NEW NK KS 786	81	-	-	6/20	-	1.0
DEKALB X 866	80	-	-	6/20	-	3.8
CARGILL X 15277	79	-	-	6/20	-	0.0
DEKALB X 977	79	-	-	6/17	-	1.0
BIG CROP OPTIMA	78	-	-	6/19	-	3.5
PIONEER 8313	77	-	-	6/20	-	0.0
HY PERFORMER EXP. 89-3	77	-	-	6/19	-	33.0
BIG CROP ULTIMA	73	-	-	6/19	-	0.5
BIG CROP OLE'	72	-	-	6/17	-	1.5
CARGILL 630	70	-	-	6/16	-	4.0
CARGILL 847	65	-	-	6/19	-	8.8
DEKALB DK 648R *	56	-	-	6/16	-	94.5
TEST MEAN	76					
L. S. D. (.05)	8.6					
C. V. (%)	8.2					

\* BIRD-RESISTANT HYBRID.

TABLE 12. FAIRHOPE GRAIN SORGHUM HYBRID TRIAL, 1990

BRAND-HYBRID	1990					
	1990	1989-90	1988-90	MID-	BIRD	LODGED
	YIELD	2-YR. AV.	3-YR. AV.	BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MO./DAY	PCT.	PCT.
DELTAPINE G-522 DR	116	114	102	6/18	5.0	0.0
DELTAPINE G-522A	112	110	97	6/16	10.0	0.0
PIONEER 8222	113	113	96	6/18	6.3	0.0
NEW NK 2660	106	108	96	6/20	8.8	0.0
CAPEHART CONTENDER	116	110	96	6/18	6.3	0.0
FFR 321 DR	108	103	95	6/18	8.8	0.0
HY PERFORMER CHEROKEE	104	111	95	6/16	5.0	0.0
HY PERFORMER 1225 DR	100	104	94	6/19	5.0	0.0
DELTAPINE G-1711	110	111	93	6/20	10.0	0.0
SUMMIT HT 126 DR	103	109	93	6/18	5.0	0.0
DELTAPINE RA 787	110	107	93	6/21	10.0	0.0
HY PERFORMER WINGS	113	110	92	6/20	15.0	0.0
CAPEHART CHALLENGER	104	108	90	6/19	17.5	0.0
PIONEER 8333	121	108	90	6/17	12.5	0.0
PENN PENNGRAIN DR	101	103	89	6/18	15.0	0.0
AGRATECH GK802G	98	106	89	6/19	17.5	0.0
CARGILL 4462	105	101	88	6/16	5.0	0.5
AGRATECH GK712G	109	93	83	6/16	5.0	0.0
AFC 861	101	101	83	6/20	12.5	0.0
NEW NK SAVANNA 5 *	113	107	82	6/17	15.0	1.3
DEKALB DK 64	96	97	76	6/19	30.0	0.0
DEKALB DK 60	74	88	72	6/26	22.5	0.0
HY PERFORMER 1330 DR	78	85	71	6/20	35.0	0.5
CAPEHART CHAMPION	80	82	66	6/20	37.5	0.0
NEW NK KS 780	112	107	-	6/19	7.5	0.0
PIONEER 8230	114	102	-	6/17	10.0	0.0
AFC 402	103	102	-	6/20	12.5	0.0
PIONEER 8313	121	-	-	6/19	10.0	0.0
BIG CROP OLE'	117	-	-	6/18	3.8	0.0
CARGILL X 15277	116	-	-	6/22	15.0	0.0
CAPEHART CREAM	115	-	-	6/17	2.5	1.3
AGRATECH 805GW	114	-	-	6/17	8.8	0.0
CARGILL 847	112	-	-	6/20	1.3	0.0
HY PERFORMER EXP. 89-3	109	-	-	6/18	15.0	0.0
DELTAPINE 6012XS	109	-	-	6/19	17.5	0.0
CARGILL 630	108	-	-	6/16	6.3	0.0
NEW NK KS 786	106	-	-	6/21	17.5	0.0
DEKALB X 977	106	-	-	6/16	22.5	0.0
DEKALB X 866	104	-	-	6/20	18.8	0.0
BIG CROP ULTIMA	101	-	-	6/19	7.5	0.0
BIG CROP OPTIMA	98	-	-	6/19	18.8	0.0
DEKALB X 980	94	-	-	6/22	28.8	0.0
FFR 331 DR	89	-	-	6/19	27.5	0.5
DEKALB DK 64BR *	82	-	-	6/15	27.5	0.0
TEST MEAN	105					
L. S. D. (.05)	14.0					
C. V. (%)	9.5					

\* BIRD-RESISTANT HYBRID.

TABLE 13. HEADLAND GRAIN SORGHUM HYBRID TRIAL, 1990

BRAND-HYBRID	1990					
	1990	1989-90	1988-90	MID-	BIRD	LODGED
	YIELD	2-YR. AV.	3-YR. AV.	BLOOM	DAMAGE	STALKS
	BU.	BU.	BU.	MO. /DAY	PCT.	PCT.
DEKALB DK 64	73	77	69	6/6	3.5	0.0
CAPEHART CHALLENGER	77	76	67	6/12	1.0	0.0
AFC 861	66	71	64	6/18	3.5	0.0
NEW NK SAVANNA 5 *	54	62	63	6/6	0.0	0.0
HY PERFORMER CHEROKEE	64	69	63	6/6	0.0	0.0
PIONEER 8222	63	72	63	6/6	1.0	0.0
HY PERFORMER WINGS	66	68	62	6/6	1.0	0.0
DEKALB DK 60	54	69	62	6/6	1.0	0.0
HY PERFORMER 1225 DR	65	66	61	6/6	2.5	12.5
FFR 321 DR	62	65	61	6/18	5.0	0.0
DELTAPINE RA 787	62	62	60	6/12	3.5	0.0
DELTAPINE G-522 DR	74	63	59	6/6	1.0	0.0
SUMMIT HT 126 DR	61	60	59	6/18	1.0	0.0
DELTAPINE G-522A	69	65	59	6/12	2.5	0.0
CAPEHART CONTENDER	66	64	59	6/18	3.5	0.0
PIONEER 8333	59	60	57	6/12	5.0	0.0
AGRATECH GK802G	56	61	57	6/12	2.0	0.0
DELTAPINE G-1711	64	66	57	6/12	0.0	0.0
AGRATECH GK712G	55	58	57	6/6	7.5	0.0
NEW NK 2660	56	60	56	6/6	3.5	0.0
CARGILL 4462	63	54	54	6/6	2.5	0.0
PENN PENNGRAIN DR	47	52	52	6/18	6.0	0.0
HY PERFORMER 1330 DR	53	48	50	6/6	5.0	0.0
CAPEHART CHAMPION	49	43	47	6/6	1.0	0.0
NEW NK KS 780	63	63	-	6/12	1.0	0.0
PIONEER 8230	67	62	-	6/6	1.0	0.0
AFC 402	55	58	-	6/18	7.5	0.0
DELTAPINE 6012XS	73	-	-	6/12	1.0	0.0
HY PERFORMER EXP. 89-3	71	-	-	6/6	0.0	0.0
CARGILL 847	70	-	-	6/18	0.0	0.0
DEKALB X 866	69	-	-	6/6	1.0	0.0
BIG CROP OLE'	68	-	-	6/6	0.0	0.0
DEKALB X 977	66	-	-	6/6	16.0	0.0
CARGILL X 15277	65	-	-	6/6	6.0	0.0
DEKALB X 980	64	-	-	6/6	2.5	0.0
CARGILL 630	64	-	-	6/18	1.0	0.0
AGRATECH 805GW	63	-	-	6/18	7.5	0.0
CAPEHART CREAM	61	-	-	6/12	1.0	0.0
PIONEER 8313	61	-	-	6/6	8.5	0.0
BIG CROP OPTIMA	60	-	-	6/12	2.5	0.0
BIG CROP ULTIMA	56	-	-	6/6	3.5	0.0
NEW NK KS 786	55	-	-	6/6	1.0	0.0
FFR 331 DR	47	-	-	6/18	10.0	0.0
DEKALB DK 64BR *	31	-	-	6/12	0.0	0.0
TEST MEAN	62					
L. S. D. (.05)	15.1					
C. V. (%)	17.6					

\* BIRD-RESISTANT HYBRID.

TABLE 14. PLANT HEIGHT OF GRAIN SORGHUM HYBRIDS BY REGION OR LOCATION, 1990

BRAND-HYBRID	PLANT HEIGHT BY REGION <sup>1/</sup>			
	NORTHERN	CENTRAL	SOUTHERN	FAIRHOPE
	IN.	IN.	IN.	IN.
AFC 402	52	45	51	60
AFC 861	49	42	48	58
AGRATECH GK712G	44	38	45	50
AGRATECH GK802G	44	38	46	54
AGRATECH 805GW	52	43	51	60
BIG CROP OLE'	43	39	48	53
BIG CROP OPTIMA	48	41	49	60
BIG CROP ULTIMA	49	40	48	54
CAPEHART CHALLENGER	48	42	50	60
CAPEHART CHAMPION	55	49	54	69
CAPEHART CONTENDER	44	41	47	52
CAPEHART CREAM	51	42	51	58
CARGILL X 15277	47	43	50	59
CARGILL 4462	49	42	50	59
CARGILL 630	45	42	48	52
CARGILL 847	48	41	48	51
DEKALB DK 60	46	41	46	57
DEKALB DK 64	51	46	51	58
DEKALB DK 64BR *	60	56	54	68
DEKALB X 866	52	46	52	60
DEKALB X 977	52	48	52	57
DEKALB X 980	48	44	50	66
DELTAPINE G-1711	48	43	49	61
DELTAPINE G-522 DR	44	40	46	54
DELTAPINE G-522A	43	41	44	50
DELTAPINE RA 787	50	43	50	57
DELTAPINE 6012XS	49	44	49	60
FFR 321 DR	44	40	46	52
FFR 331 DR	52	47	51	66
HY PERFORMER CHEROKEE	42	40	45	48
HY PERFORMER EXP. 89-3	48	43	51	54
HY PERFORMER WINGS	48	41	49	57
HY PERFORMER 1225 DR	46	40	49	53
HY PERFORMER 1330 DR	54	48	55	68
NEW NK KS 780	43	40	48	55
NEW NK KS 786	50	42	49	59
NEW NK SAVANNA 5 *	60	52	57	64
NEW NK 2660	46	41	50	53
PENN PENNGRAIN DR	43	40	46	52
PIONEER 8222	48	40	49	53
PIONEER 8230	50	42	50	56
PIONEER 8313	42	40	45	51
PIONEER 8333	46	41	47	53
SUMMIT HT 126 DR	44	38	43	56

<sup>1/</sup> NORTHERN REGION (WINFIELD AND CROSSVILLE); CENTRAL REGION (PRATTVILLE, MARION JUNCTION, AND SHORTER); SOUTHERN REGION (MONROEVILLE AND HEADLAND).

Sources of Seed for the 1990 Grain Sorghum Tests

Entry designation	Source of seed
AFC brand hybrids.....	Alabama Farmer's Cooperative P.O. Box 2227 Decatur, AL 35602
AgraTech brand hybrids.....	AgraTech Seeds, Inc. Rt. 1 Box 76A McCordsville, IN 46055
Capehart brand hybrids.....	Capehart Seed Service P.O. Box 10 Holland, MO 63853
Cargill brand hybrids.....	Cargill Hybrid Seeds Box 5645 Minneapolis, MN 55440
Dekalb brand hybrids.....	Dekalb Plant Genetics 3100 Sycamore Road Dekalb, IL 60115
FFR brand hybrids.....	Alabama Farmer's Cooperative P.O. Box 2227 Decatur, AL 35602
Hy Performer brand hybrids.....	Helena Chemical Company 5100 Poplar Avenue Memphis, TN 38137
New Northrup King brand hybrids.....	The New Northrup King Company Rt. 3 Box 265 LaGrange, NC 28551
Pennington brand hybrids.....	Pennington Enterprises, Inc. P.O. Box 290 Madison, GA 30650
Pioneer brand hybrids.....	Pioneer Hi-Bred International, Inc. 1000 West Jefferson Street Tipton, IN 46072
Summit brand hybrids.....	Big Crop Seed, Inc. P.O. Box 5866 Lubbock, TX 79417
Big Crop brand hybrids.....	Big Crop Seed, Inc. P.O. Box 5866 Lubbock, TX 79417

ACCEPTABLE HYBRIDS FOR 1991

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

CENTRAL ALABAMA

<u>Brand name</u>	<u>Hybrid</u>	<u>Brand name</u>	<u>Hybrid</u>
Capehart	Challenger	New Northrup King	Savanna 5 *
New Northrup King	Savanna 5 *	Deltapine	G-522A
AFC	861	Deltapine	RA 787
New Northrup King	2660	Hy Performer	1225 DR
Deltapine	G-522A	Summit	HT 126 DR
Pioneer	8222	FFR	321 DR
Summit	HT 126 DR	New Northrup King	2660 **
FFR	321 DR	Hy Performer	1330 DR **
AgraTech	GK 802G	Capehart	Contender ***
Capehart	Contender	Capehart	Challenger ***
Hy Performer	1225 DR	AFC	861 ***
Deltapine	RA 787		
Deltapine	G-522 DR		
Deltapine	G-1711		
Hy Performer	Wings		

\*Bird-resistant hybrid.

\*\*If the present trend of these varieties continues, they will be dropped.

\*\*\*Recommended on basis of exceptional 2-year average at Black Belt Substation.



ACCEPTABLE HYBRIDS FOR 1991

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.

SOUTHERN ALABAMA

<u>Brand name</u>	<u>Hybrid</u>
Deltapine	G-522DR
Pioneer	8222
FFR	321 DR
Deltapine	RA 787
Hy Performer	Cherokee
Hy Performer	Wings
Capehart	Challenger
Dekalb	DK 64
AFC	861
Deltapine	G-1711
New Northrup King	2660
Capehart	Contender
Summit	HT 126 DR
New Northrup King	Savanna 5 *
Pioneer	9333 **
Deltapine	G-522A **
AgraTech	GK 802G **
Cargill	4462 **
Pennington	Penngrain DR **

\*Bird-resistant hybrid.

\*\*If the present trend of these varieties continues, they will be dropped.





