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R. DENNIS ROUSE, Director

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**ALABAMA
1975
GRAIN SORGHUM
PERFORMANCE
TESTS**

1975 Alabama Grain Sorghum Performance Tests

David E. Teem^{1/}

Grain sorghum performance trials were conducted by the Auburn University Agricultural Experiment Station at seven locations in 1975. These tests were conducted to give a comparison of hybrids entered in each test and were not intended for use as an absolute measure of the yielding potential of a hybrid in an area. Performance of hybrids varies with location and it is therefore suggested that this report be carefully studied before choosing a hybrid.

Experimental Procedures

Cultural practices were uniform for all hybrids within a test. The experimental design for all tests was a randomized complete block with four replications. Location of the tests, plot size, and cultural practices are listed in Table 1.

Data

Yield

Yields are given in bushels per acre and were adjusted to 14 percent moisture and 56 pounds per bushel. Yields at the Gulf Coast and Lower Coastal Plain Substations were calculated from 10 heads per plot which were protected from bird damage by covering with perforated paper bags soon after blooming. Yields were calculated by multiplying the average weight of grain per head obtained from 10 bagged heads times the number of heads per plot. At other locations yields were calculated from the weight of threshed grain from each plot and were not adjusted for bird damage. Bird damage is listed as a visual estimate of grain loss.

Lodging

Lodging is given as the percent of plants broken or leaning more than 45 degrees. Seedheads of most of these plants would be missed by a combine, however, they are included in the yields in this report.

^{1/}Research Associate, Department of Agronomy and Soils.

Plant Height

Plant height was measured from the soil to the tip of the head in feet. Height can affect harvest efficiency; however, most of the sorghums tested are medium in height and are acceptable in this respect.

Head Exsertion

Head exsertion was measured from the collar of the terminal or flag leaf to the base of the head. Poor head exsertion may result in excessive green plant material in the harvested grain and damage to the lower part of the head from water accumulating on the terminal leaf.

Head Type

Open or loose heads may be important in the humid Southeast. Open heads allow better air movement and faster drying after rains or dew. This may be helpful in reducing damage from pests which attack the heads. A rating of one for tight heads and three for open heads was used.

Mid-bloom

One measure of relative maturity is the mid-bloom date. This is the date when approximately one-half of the main heads in a plot are blooming. Date of mid-bloom is shown for entries at several locations in tables 2, 5, 8, 11, 16, 19, and 22.

Selecting a Hybrid

Performance of hybrids will vary among years and locations. Small yield differences may not be real differences between hybrids but may be caused by slight differences in soil, fertility, and other factors. Data from several years testing at the location most nearly simulating your conditions is the best method for selecting a hybrid. Sources of seed used for the tests and reaction to bird damage are listed on page 33.

ACKNOWLEDGMENT

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Table 1. Locations and Cultural Practices for 1975 Grain Sorghum Tests

	Black Belt (Marion Junction)		Gulf Coast (Fairhope)		Lower Coastal Plain (Camden)		Upper Coastal Plain (Winfield)		Prattville Field (Prattville)		Monroeville Field (Monroeville)		Wiregrass (Headland)	
	5-12	5-27	5-13	5-5	6-24	6-3	5-14	5-12						
Planting date:	5-12	5-27	5-13	5-5	6-24	6-3	5-14	5-12						
Seeding rate (Seed/ft.)	8	8	5	8	8	8	8	8						
Plot Size:														
Row number	2	2	2	2	2	2	2	2						
Row width (in)	36	38	30	40	40	38	42	36						
Row length (ft)	20	20	22	20	20	20	20	22						
Replications (No.)	4	4	4	4	4	4	4	4						
Nitrogen rate (lb N/A)	80	100	120	130	130	90	80	110						
Herbicide:														
Kind	Atrazine	None	None	Atrazine	Atrazine	Atrazine	Atrazine	None						
Rate (lb/A)	3.0	-	-	2.0	2.0	2.0	2.0	-						
Method	Broadcast	-	-	Broadcast	Broadcast	Broadcast	Broadcast	-						

Table 2. Yield and Characteristics of Grain Sorghum Hybrids Tested at the Black Belt Substation, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{3/} In.	Mid-bloom Date	Head type ^{4/} Rating
Pioneer	B215	64.6	0	5.1	9.0	8/1	2.0
Pennington	Penngrain BR	63.2	0	4.9	8.3	7/28	2.0
Excel	Bird-Co-68	62.2	0	4.4	8.0	8/3	2.8
McNair	656 BR	61.6	0	4.3	9.0	8/1	2.5
DeKalb	BR-54	58.5	0	5.6	9.3	8/1	2.5
Excel	808	53.3	0	4.4	7.3	8/1	2.0
DeKalb	BR-63	57.7	0	4.6	10.3	8/1	1.3
Niagara	ORO-T	56.3	0	5.1	9.5	8/1	2.0
ACCO	X-9413	55.7	0	4.3	8.3	8/1	2.0
Funk's	BR-79	54.6	0	5.0	8.8	7/28	2.3
Funk's	G-516 BR	54.6	0	4.2	8.8	8/4	2.8
Golden Acres	TE Bird-A-Boo	54.3	0	4.2	8.0	8/1	2.8
DeKalb	BR-64	54.1	0	5.4	9.0	8/3	2.3
Asgrow	H-724	53.5	0	5.1	9.5	8/3	1.3
DeKalb	E-59	53.5	0	4.1	7.8	8/2	2.0
Funk's	G-522	52.1	0	4.1	9.0	8/1	2.3
McNair	895	51.7	0	4.8	9.3	8/2	2.3
ACCO	R-1090	49.7	0	4.2	9.0	8/1	3.0
ACCO	R-1029A	49.2	0	4.2	10.0	8/1	2.0
Excel	733	49.2	0	4.0	9.0	8/1	2.0
Funk's	G-589	49.2	0	4.5	8.0	7/29	1.8
Niagara	ORO	48.2	0	4.0	8.8	8/1	2.0
McNair	650	48.0	0	4.1	9.8	8/1	2.3
Asgrow	Dixie	47.4	0	4.7	9.8	8/1	1.8
McNair	695	47.0	0	4.4	6.5	8/3	2.3
McNair	654	46.4	0	4.5	9.5	8/1	2.0
Northrup-King	Savanna 4	45.8	0	4.5	10.0	8/1	2.0
Funk's	G-459-BR	44.0	0	4.5	8.3	8/1	2.0
Northrup King	X3101A	43.2	0	5.5	8.0	8/1	1.0
Golden Acres	TE Y-101	42.5	0	4.0	8.0	8/1	2.5

^{1/}Planted: May 12, 1975.

^{2/}Yields adjusted to 14% moisture and 56 lb. per bushel.

^{3/}Measured from terminal leaf to base of the head.

^{4/}1=tight; 2=medium; 3=loose.

Table 3. Yield and Other Characteristics of Grain Sorghum Hybrids Tested for Two Years at the Black Belt Substation, 1974-75

Brand name	Hybrid	Yield ¹ / Bu/A	Lodging Pct.	Height Ft.	Head exsertion ² / In.	Head type ³ / Rating
Excel	Bird-Go-68	73.9	0	4.2	5.8	2.9
ACCO	X-9418	71.6	0	4.3	6.6	2.0
Funk's	BR-79	70.8	0	5.1	6.4	2.4
Pennington	Penngrain BR	68.7	0	4.8	6.8	2.1
Pioneer	B815	68.4	0	4.9	5.9	1.9
DeKalb	E-59	66.5	0	4.0	5.8	2.0
McNair	895	66.5	0	4.9	6.2	2.1
ACCO	R-1090	66.3	0	4.1	6.6	2.8
Funk's	G-516 BR	65.4	0	4.2	6.2	2.9
DeKalb	BR-54	65.1	0	5.5	6.2	2.3
Funk's	G-522	65.0	0	4.0	7.3	2.1
DeKalb	BR-63	61.7	0	4.3	7.2	1.1
McNair	654	61.6	0	4.4	6.8	2.0
Golden Acres	TE Bird-A-Boo	61.5	0	4.1	6.6	2.5
Golden Acres	TE Y-101	56.0	0	3.9	6.1	2.3
DeKalb	BR-64	55.1	0	5.0	6.9	2.3
Funk's	G-459 BR	52.9	0	4.4	6.0	2.0

¹/Yields adjusted to 14% moisture and 56 lb. per bushel.

²/Measured from terminal leaf to base of the head.

³/1=tight; 2=medium; 3=loose.

Table 4. Yield and Other Characteristics of Grain Sorghum Hybrids Tested for Three Years at the Black Belt Substation, 1973-75

Brand name	Hybrid	Yield ^{1/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{2/} In.	Head type ^{3/} Rating
Funk's	BR-79	68.5	.0	4.9	5.8	2.6
Pennington	Penngrain BR	66.4	.0	4.6	5.6	2.3
Excel	Bird-Go-68	65.7	.0	4.2	5.1	2.8
DeKalb	BR-54	62.1	.0	5.3	5.8	2.4
Funk's	G 516 BR	58.7	.0	4.2	5.5	2.9
McNair	895	58.2	.0	4.8	5.0	1.9
Funk's	G-522	57.7	.0	3.9	5.7	2.2
DeKalb	E-59	57.4	.0	4.0	5.4	2.0
Golden Acres	TE Bird-A-Boo	56.9	.0	3.9	5.2	2.7
McNair	654	53.8	.0	4.3	5.9	1.9
DeKalb	BR-64	52.1	.0	4.9	6.3	2.4
Golden Acres	TE Y-101	50.3	.0	3.8	5.0	2.1

^{1/}Yields adjusted to 14% moisture and 56 lb. per bushel.

^{2/}Measured from terminal leaf to base of the head.

^{3/}1=tight; 2=medium; 3=loose.

Table 5. Yield and Other Characteristics of Grain Sorghum Hybrids Tested at the Gulf Coast Substation, 1975¹/₁

Brand name	Hybrid	Yield ² / Bu/A	Lodging Pct.	Height Ft.	Head exsertion ³ / In.	Head Type ⁴ / Rating	Mid-bloom Date ⁵
Pioneer	B315	67.4	1.8	4.6	4.3	1.0	7/20
Northrup-King	X3101A	53.8	2.3	5.1	6.3	1.0	7/24
Funk's	G-589	53.2	3.8	4.2	4.8	1.0	7/20
Excel	E-59	51.5	1.3	4.4	5.0	2.0	7/23
DeKalb	E-59	48.9	0.5	3.8	6.0	2.0	7/23
McNair	G-50	46.7	5.0	3.8	5.0	2.0	7/20
Funk's	BR-79	45.8	11.8	4.5	4.8	2.8	7/16
Funk's	G-522	45.4	3.5	3.8	5.8	2.0	7/22
Excel	Bird Go-68	45.4	1.0	4.1	4.0	2.8	7/25
Asgrow	H-724	43.6	3.8	4.9	4.8	1.0	7/23
Golden Acres	TE Y-101	43.4	2.5	3.7	4.0	2.0	7/21
DeKalb	BR-63	42.8	1.3	4.0	5.0	1.0	7/22
DeKalb	BR-54	40.4	0.8	5.3	7.3	2.8	7/22
Funk's	G-459 BR	40.0	2.0	4.5	6.0	1.0	7/25
ACCO	R-1029A	39.4	0.0	4.2	4.8	2.0	7/23
Funk's	G-516 BR	39.2	2.5	4.3	6.8	2.8	7/23
McNair	656 BR	38.8	0.8	4.3	6.3	3.0	7/24
Niagara	ORO	35.4	2.5	3.7	4.5	2.0	7/21
Golden Acres	TE Bird-A-Boo	35.1	4.5	4.3	4.0	3.0	7/21
Asgrow	Dixie	32.9	6.8	4.0	5.8	1.0	7/23
ACCO	X-9418	32.8	1.3	4.2	5.0	2.0	7/23
Niagara	ORO-T	32.8	2.0	4.5	4.8	1.8	7/23
Northrup-King	Savanna 4	29.7	3.5	3.6	4.3	1.0	7/18
Pennington	Penngrain BR	29.4	4.5	4.3	4.5	2.8	7/18
DeKalb	ER-64	27.8	8.8	4.7	7.8	2.3	7/23
ACCO	R-1090	27.4	9.3	3.8	5.8	2.3	7/21
McNair	654	25.3	4.5	4.2	4.8	2.0	7/19
Coker	74-17	24.1	21.3	4.3	8.0	2.8	7/23

Table 5. (Cont'd) Yield and Other Characteristics of Grain Sorghum Hybrids Tested at the Gulf Coast Substation, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head exertion ^{3/}		Head type ^{4/} Rating	Mid-bloom Date
					In.	Rating		
McNair	895	24.1	2.5	4.6	4.3	2.0	7/23	
Excel	733	21.7	5.0	3.8	3.8	2.0	7/18	
McNair	695	20.0	0.8	4.1	4.3	2.0	7/23	
Asgrow	Capitan	15.4	2.8	3.9	4.3	1.8	7/25	
Coker	74-8	13.0	4.3	4.5	6.3	3.0	7/17	

^{1/}Planted: May 27, 1975.

^{2/}Yields calculated from bagged heads, adjusted to 14% moisture and 56 lb. per bushel.

^{3/}Measured from terminal leaf to base of the head.

^{4/}1=tight, 2=medium, 3=loose.

Table 6. Yield and Other Characteristics of Grain Sorghum Hybrids Tested Two Years at the Gulf Coast Substation, 1974-1975

Brand name	Hybrid	Yield ^{1/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{2/} In.	Head type ^{3/} Rating
Pioneer	B815	65.6	0.9	4.8	5.2	1.1
DeKalb	BR-54	56.7	0.4	5.3	7.2	2.9
Excel	808	54.9	0.8	4.4	4.8	2.1
Funk's	BR-79	54.9	5.9	4.7	5.4	2.4
Funk's	G-522	54.0	1.9	4.0	5.7	2.0
DeKalb	E-59	49.9	0.3	4.1	6.1	2.0
McNair	656	49.7	0.4	4.4	5.9	3.0
McNair	650	48.5	2.5	3.9	4.9	2.0
Excel	733	44.4	2.6	3.9	3.9	2.3
Golden Acres	TE Y-101	44.3	1.3	3.9	4.0	2.0
Funk's	G-516 BR	44.2	1.3	4.4	6.0	2.9
Asgrow	H-724	42.9	2.0	5.1	6.1	1.0
Excel	Bird-Go-68	42.6	0.9	4.2	4.3	2.9
Golden Acres	TE Bird-A-Boo	42.0	2.4	4.2	4.0	2.8
Pennington	Penngrain RR	41.9	2.3	4.4	4.5	2.5
Funk's	G-459 BR	41.3	1.0	4.5	6.1	1.0
McNair	895	40.7	1.3	4.8	5.1	2.0
Asgrow	Dixie	39.3	3.4	4.3	6.6	1.0
DeKalb	BR-64	38.8	4.5	4.7	7.5	2.3
McNair	654	38.4	2.3	4.4	5.1	2.0
Niagara	ORO-T	38.1	1.0	4.7	5.6	1.9
Niagara	ORO	37.8	1.4	3.9	4.6	2.0
Northrup-King	Savanna 4	36.1	1.8	3.9	4.9	1.0

^{1/}Yields calculated from bagged heads, adjusted to 14% moisture and 56 lb. per bushel.

^{2/}Measured from terminal leaf to base of the head.

^{3/}1=tight; 2=medium; 3=loose.

Table 7. Yield and Other Characteristics of Grain Sorghum Hybrids Tested Three Years at the Gulf Coast Substation, 1973-75

Brand name	Hybrid	Yield ^{1/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{2/} in.	Head type ^{3/} Rating
Pioneer	-----B815	70.5	1.3	4.9	5.2	1.1
Funk's	-----BR-79	59.4	6.8	4.7	5.3	2.3
Funk's	-----G-522	57.4	1.6	4.2	5.8	2.0
Golden Acres	-----TE Y-101	53.3	1.2	4.1	4.7	2.0
Golden Acres	-----TE Bird-A-Poo	52.5	2.3	4.2	3.9	2.8
DeKalb	-----E-59	50.9	0.5	4.2	6.3	2.0
Pennington	-----Penngrain BR	50.7	4.7	4.5	4.5	2.6
DeKalb	-----BR-64	40.9	3.3	4.8	7.7	2.2
McNair	-----654	38.9	2.0	4.6	5.4	2.0

10

^{1/}Yields calculated from bagged heads, adjusted to 14% moisture and 56 lb. per bushel.

^{2/}Measured from terminal leaf to base of the head.

^{3/}1=tight; 2=medium; 3=loose.

Table 8. Yield and Other Characteristics of Grain Sorghum Hybrids Tested at the Lower Coastal Plain Substation, 1975¹/

Brand Name	Hybrid	Yield ² / Bu/A	Lodging Pct.	Height Ft.	Head exsertion ³ / In.	Mid-bloom Date	Head type ⁴ / Rating
Pioneer	B815	79.3	4.5	4.9	5.5	7/15	2.3
DeKalb	BR-64	69.1	0.0	4.9	5.8	7/16	3.0
Niagara	ORO-T	66.2	4.3	4.7	5.3	7/12	2.0
Funk's	BR-79	66.0	52.0	4.8	5.9	7/9	3.0
Funk's	G-589	62.6	0.8	4.2	4.9	7/13	1.0
ACCO	R-1029A	60.8	2.5	4.1	6.0	7/12	2.8
DeKalb	BR-54	58.2	6.5	5.4	7.0	7/14	3.0
Excel	Bird-Go-68	57.7	0.5	4.3	5.8	7/16	3.0
Growers	P75013BR	57.2	0.0	4.0	5.9	7/11	1.0
Growers	P75014BR	56.7	0.0	4.2	5.3	7/16	2.8
Excel	808	56.6	0.3	4.4	5.5	7/12	2.3
DeKalb	E-59	56.2	0.3	3.9	5.6	7/14	2.3
McNair	650	56.0	4.8	3.9	6.1	7/12	2.3
Funk's	G-459 BR	51.6	0.5	4.3	6.3	7/17	1.0
Golden Acres	TE Bird-A-Boo	51.3	0.0	4.1	4.0	7/15	3.0
McNair	895	51.2	2.8	4.9	6.3	7/13	2.3
ACCO	R-1090	50.8	4.5	4.0	5.9	7/11	2.8
McNair	656 BR	50.6	0.3	4.3	5.4	7/16	3.0
McNair	654	50.3	3.0	4.4	5.9	7/11	2.3
Niagara	ORO	49.9	1.8	4.0	5.9	7/12	2.0
Northrup-King	X3101A	49.9	4.0	5.1	6.4	7/16	1.0
ACCO	X-9418	49.6	1.5	4.2	5.6	7/13	2.8
Growers	P74157BR	49.4	0.0	4.1	4.3	7/16	3.0
Funk's	G-522	48.3	14.0	3.9	4.8	7/13	2.3
Northrup-King	Savanna 4	48.2	3.0	4.3	6.6	7/11	1.8
Growers	ML 135	48.1	0.8	4.1	6.0	7/11	2.3
Funk's	G-516 BR	47.1	1.0	4.2	4.9	7/15	3.0
DeKalb	32-63	46.8	1.5	4.1	5.1	7/16	1.3

Table 8. (Cont'd) Yield and Other Characteristics of Grain Sorghum Hybrids Tested at the Lower Coastal Plain Substation, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head		Mid-bloom Date	Head type ^{4/} Rating
					exsertion ^{3/} In.	In.		
Golden Acres	TE Y-101	46.6	2.8	3.7	6.0		7/12	2.8
Excel	733	43.6	4.8	3.9	5.6		7/11	2.3
Pennington	Penngrain BR42.6		62.5	4.4	5.3		7/11	3.0
Asgrow	Dixie	33.3	27.5	4.5	6.8		7/15	2.0
Asgrow	H-724	32.8	42.5	4.9	6.3		7/15	1.5

^{1/}Planted: May 13, 1975.

^{2/}Yields calculated from bagged heads, adjusted to 14% moisture and 56 lb. per bushel.

^{3/}Measured from terminal leaf to base of the head.

^{4/}1=tight; 2=medium; 3=loose.

Table 9. Yield and Other Characteristics of Grain Sorghum Hybrids Tested for Two Years at the Lower Coastal Plain Substation, 1974-75

Brand name	Hybrid	Yield ¹ / Bu/A	Lodging Pct.	Height Ft.	Head exertion ² / In.	Head type ³ / Rating
Pioneer	BR-15	68.1	2.3	4.6	3.6	2.0
DeKalb	BR-64	64.0	0.0	4.7	4.8	2.9
DeKalb	BR-54	62.6	3.3	5.1	6.3	2.8
Niagara	ORO-T	61.3	2.1	4.6	4.3	2.0
Niagara	ORO	58.5	0.9	3.9	4.2	2.0
Excel	808	57.2	0.1	4.2	3.9	2.1
Golden Acres	TE Y-101	56.5	1.4	3.8	5.0	2.4
Excel	Bird-Go-68	55.9	0.3	3.9	3.6	3.0
Funk's	BR-79	55.6	27.3	4.8	5.7	2.8
DeKalb	E-59	54.9	0.1	3.9	4.4	2.1
McNair	656 BR	54.5	0.4	4.1	4.7	3.0
Pennington	Penngrain Br	53.2	31.5	4.2	4.8	2.8
Northrup-King	Savanna 4	52.3	1.8	4.1	4.8	1.4
Golden Acres	TE Bird-A-Boo	51.6	0.5	3.9	3.8	3.0
Funk's	G-459 BR	50.7	0.3	4.1	4.8	1.4
McNair	650	50.5	2.4	3.8	4.3	2.1
Funk's	G-522	49.1	7.0	3.6	3.5	2.1
McNair	654	49.1	2.0	4.2	5.1	2.1
Excel	733	48.3	2.4	3.8	4.9	2.1
Funk's	G-516 BR	46.9	0.5	4.0	3.8	3.0
McNair	895	45.7	1.6	4.6	4.1	2.1
Asgrow	H-724	35.8	23.1	4.8	5.3	1.3
Asgrow	Dixie	31.4	13.8	4.3	4.9	1.5

¹/Yields calculated from bagged heads, adjusted to 14% moisture and 56 lb. per bushel.

²/Measured from terminal leaf to base of the head.

³/1=tight; 2=medium; 3=loose.

Table 10. Yield and Other Characteristics of Grain Sorghum Hybrids Tested for Three Years at the Lower Coastal Plain Substation, 1973-75

Brand name	Hybrid	Yield ¹ / Bu/A	Lodging Pct.	Height Ft.	Head exsertion ² / In.	Head type ³ / Rating
Pioneer	-----B815	65.3	24.8	4.8	4.8	1.8
DeKalb	-----BR-64	61.2	7.5	4.9	5.8	2.8
Funk's	-----C-522	57.9	23.4	3.9	5.2	2.3
DeKalb	-----E-59	57.4	13.0	4.1	5.8	2.1
Pennington	-----Penngrain BR	56.7	50.5	4.3	6.0	2.7
McNair	-----654	56.5	27.4	4.5	6.2	1.9
Golden Acres	-----TE Y-101	54.4	22.8	3.9	5.7	2.6
Funk's	-----BR-79	52.0	43.3	4.9	6.3	2.8
Golden Acres	-----TE Bird-A-300	51.3	22.0	4.1	5.2	3.0

¹/Yields calculated from bagged heads, adjusted to 14% moisture and 56 lb. per bushel.

²/Measured from terminal leaf to base of the head.

³/1=tight; 2=medium; 3=loose.

Table 11. Yield and Other Characteristics of Grain Sorghum Hybrids Tested at Monroeville Field, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{3/} In.	Mid-bloom Date	Head type ^{4/} Rating	Estimated bird damage Pct.
DeKalb	BR-54	42.5	0.0	5.3	18.8	7/16	2.8	0.0
DeKalb	BR-64	39.2	0.0	5.0	20.0	7/16	2.3	0.0
Northrup-King	X3101A	39.2	0.3	5.0	20.0	7/16	1.0	0.0
ACCO	X-9418	38.3	0.0	4.2	17.8	7/15	2.8	0.0
Pennington	Penngrain BR	36.1	17.5	4.6	17.3	7/11	2.8	0.0
DeKalb	BR-63	36.1	0.0	4.3	18.0	7/17	1.0	0.0
Funk's	G-516 BR	35.4	0.0	4.3	16.8	7/17	3.0	0.0
Funk's	BR-79	35.3	21.3	4.6	17.5	7/12	3.0	0.0
Pioneer	B815	33.9	1.8	4.4	17.0	7/16	2.3	0.0
McNair	656 BR	33.7	0.0	4.2	17.0	7/18	2.5	0.0
Golden Acres	TE Bird-A-Boo	33.6	0.3	4.2	17.5	7/17	3.0	0.0
Funk's	G-459 BR	32.8	0.0	4.4	18.3	7/18	1.5	0.0
Funk's	G-589	31.7	0.0	4.3	16.5	7/15	1.0	0.0
Excel	Bird-Go-68	31.1	5.0	4.3	18.0	7/17	3.0	0.0
Northrup King	Savanna 4	30.6	0.0	4.2	17.8	7/15	1.3	0.0
Asgrow	H-724	28.7	30.0	4.8	19.0	7/16	1.0	0.0
McNair	650	23.2	0.8	3.7	17.3	7/14	2.3	6.3
Funk's	G-522	22.6	3.8	3.7	17.5	7/16	2.8	7.5
Golden Acres	TE Y-101	21.8	1.3	3.8	16.8	7/14	2.5	6.3
ACCO	R-1090	21.0	0.5	4.1	18.8	7/13	2.8	11.3
Excel	608	19.6	0.3	4.2	15.5	7/15	2.3	30.0
McNair	695	19.7	0.0	4.3	16.0	7/16	2.3	28.8
Niagara	ORO	18.7	0.3	3.7	15.5	7/14	2.5	13.8
Asgrow	Dixie	17.8	46.3	4.4	19.3	7/17	1.5	0.0
DeKalb	E-59	16.9	0.0	3.8	17.5	7/16	2.5	30.0
Asgrow	Capitan	16.4	0.0	3.7	16.5	7/18	1.8	27.5
Coker	74-17	16.1	42.5	4.5	19.8	7/14	2.8	0.0
Excel	733	15.1	5.5	3.7	16.8	7/14	2.0	16.6

Table 11. (Cont'd) Yield and Other Characteristics of Grain Sorghum Hybrids Tested at Monroeville Field, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{3/} In.	Mid-bloom Date	Head type ^{4/} Rating	Estimated bird damage Pct.
McNair	-----895	11.5	0.0	4.5	17.5	7/15	2.0	35.0
McNair	-----654	9.4	0.0	4.4	17.3	7/14	2.5	33.8
ACCO	-----R-1029A	5/	0.0	4.2	17.8	7/15	2.3	57.5
Niagara	-----ORO-T	5/	0.0	4.7	16.0	7/14	2.3	50.0
Coker	-----74-8	5/	1.3	4.6	21.5	7/11	2.5	75.0

^{1/}Planted: May 14, 1975.

^{2/}Yields adjusted to 14% moisture and 56 lb. per bushel; not adjusted for bird damage.

^{3/}Measured from terminal leaf to base of the head.

^{4/}1=tight; 2=medium; 3=loose.

^{5/}Omitted due to excessive bird damage.

7.0

Table 12. Yield and Other Characteristics of Grain Sorghum Hybrids Tested Two Years at Monroeville Field, 1974-75

Brand name	Hybrid	Yield ¹ / Bu/A	Lodging Pct.	Height Ft.	Head exsertion ² / In.	Head type ³ / Rating	Estimated bird damage Pct.
Dekalb	BR-54	49.6	5.0	4.7	16.8	2.6	0.0
Funk's	BR-79	48.0	24.4	4.4	17.3	2.9	0.0
ACCO	X-9418	47.1	6.9	3.9	16.5	2.4	0.0
Funk's	G-516 BR	44.6	2.5	3.8	15.0	2.8	0.0
DeKalb	BR-64	43.2	9.4	4.7	18.8	2.4	0.0
Excel	Bird Go-68	41.4	5.0	4.0	15.6	2.9	0.0
Pennington	Penngrain BR	41.0	20.0	4.2	15.8	2.9	0.0
DeKalb	BR-63	40.8	0.0	4.0	17.0	1.0	0.0
Funk's	G-459-BR	39.9	0.6	4.2	16.1	1.3	0.0
Pioneer	E815	38.8	9.6	4.2	14.4	1.6	0.0
Golden Acres	T.E. Bird-A-Boo	34.9	11.4	4.0	16.8	3.0	0.0
Golden Acres	T.E. Y-101	4/	0.6	3.6	15.0	2.3	37.5
Funk's	G-522	4/	3.1	3.6	16.1	2.4	43.5
ACCO	R-1090	4/	0.3	3.8	17.0	2.4	49.1
DeKalb	E-59	4/	0.0	3.7	16.5	2.3	59.1
McNair	395	4/	8.1	4.4	16.3	1.9	59.4
McNair	654	4/	1.9	4.2	16.3	2.3	61.9

¹/Yields adjusted to 14% moisture and 56 lb. per bushel; not adjusted for bird damage.

²/Measured from terminal leaf to base of the head.

³/1-tight; 2-medium; 3-loose.

⁴/Omitted due to excessive bird damage.

Table 13. Yield and Other Characteristics of Grain Sorghum Hybrids Tested Three Years at Monroeville Field, 1973-75

Brand name	Hybrid	Yield ¹ / Bu/A	Lodging Pct.	Height Ft.	Head exsertion ² / In.	Head type ³ / Rating	Estimated bird damage Pct.
DeKalb	BR-54	53.4	14.2	4.9	17.1	2.5	0.0
Pennington	Penngrain BR	47.4	25.4	4.2	16.3	2.6	0.0
Funk's	BR-79	46.6	32.1	4.4	17.3	2.6	0.0
DeKalb	BR-64	45.4	9.2	4.8	18.3	2.3	0.0
Funk's	C-516 BR	43.9	1.7	4.0	15.2	2.4	0.8
Excel	Bird-Go-68	42.5	3.8	4.1	15.3	2.7	0.0
Golden Acres	TE Bird-A-Boo	37.4	16.8	4.1	17.3	2.7	0.0
Golden Acres	TE Y-101	<u>4/</u>	2.9	3.7	15.4	2.2	45.4
DeKalb	E-59	<u>4/</u>	2.5	3.9	16.8	2.2	50.7
McNair	895	<u>4/</u>	6.7	4.5	16.0	1.9	68.8
Funk's	G-522	<u>4/</u>	5.4	3.8	16.3	2.3	42.3
McNair	654	<u>4/</u>	8.8	4.3	16.4	2.2	63.3

¹/Yields adjusted to 14% moisture and 56 lb. per bushel; not adjusted for bird damage.

²/Measured from terminal leaf to base of the head.

³/1=tight; 2=medium; 3=loose.

⁴/Omitted due to excessive bird damage.

Table 14. Yield and Other Characteristics Grain Sorghum Hybrids Tested for One Year at Prattville Field, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{3/} In.	Head type ^{4/} Rating
Pennington	Penningrain BR	63.2	0.0	4.8	6.5	3.0
DeKalb	BR-54	64.3	0.0	5.2	7.0	3.0
Growers	P75014BR	61.4	0.0	4.5	8.5	3.0
Asgrow	H-724	60.2	2.5	4.8	6.5	1.5
Excel	Bird-Go-68	60.0	0.0	4.2	6.0	3.0
Northrup-King	X3101A	59.2	0.0	5.2	11.5	1.0
Funk's	G-516 BR	58.8	0.0	4.1	6.0	3.0
McNair	656	58.6	0.0	4.1	6.0	3.0
ACCO	X-9418	54.5	0.0	4.3	6.5	2.8
Pioneer	B815	54.3	0.0	4.6	5.0	2.0
Growers	P74157BR	53.0	0.0	4.3	6.5	3.0
DeKalb	BR-63	51.1	0.0	4.5	9.0	1.5
Funk's	G-459 BR	50.4	0.0	4.1	5.0	2.5
Funk's	BR-79	49.6	0.0	4.9	6.5	3.0
DeKalb	BR-64	49.4	0.0	4.6	10.0	3.0
Golden Acres	TE. Bird-A-Boo	43.8	0.0	4.1	6.0	3.0
Asgrow	Dixie	41.1	0.0	4.1	6.0	2.5
Northrup-King	Savanna 4	35.3	0.0	4.0	7.0	2.0

^{1/}Planted: June 3, 1975.

^{2/}Yields adjusted to 14% moisture and 56 lb. per bushel.

^{3/}Measured from terminal leaf to base of the head.

^{4/}1=tight; 2=medium; 3=loose.

Table 15. Yield and Other Characteristics of Grain Sorghum Hybrids Tested Two Years at Prattville Field, 1974-75

Brand name	Hybrid	Yield ¹ / Bu/A	Lodging Pct.	Height Ft.	Head	
					exertion ² / In.	type ³ / Rating
Pennington	-----Penngrain BR	78.5	7.5	4.2	5.0	2.9
DeKalb	-----BR-54	76.5	0.0	4.6	6.5	2.9
Funk's	-----BR-79	75.5	12.5	4.4	5.3	3.0
Excel	-----Bird Co-68	67.8	0.0	3.5	4.5	3.0
McNair	-----656	67.8	0.0	3.6	4.4	3.0
Golden Acres	-----TE Bird-A-Boo	64.4	0.0	3.8	4.9	3.0
Funk's	-----G-516 BR	64.0	0.0	3.7	4.4	3.0
Funk's	-----G-459 BR	63.5	0.0	3.8	5.5	2.1
Pioneer	-----B815	61.3	0.0	4.1	4.8	1.6
DeKalb	-----BR-64	61.1	0.0	4.2	7.8	3.0
Asgrow	-----H-724	58.0	1.3	4.2	5.8	1.3
Northrup King	-----Savanna 4	51.5	0.0	3.7	6.0	2.0
Asgrow	-----Dixie	47.8	0.0	3.7	4.8	2.1

¹/Yields adjusted to 14% moisture and 56 lb. per bushel.

²/Measured from terminal leaf to base of the head.

³/1=tight; 2=medium; 3=loose.

Table 16. Yield and Other Characteristics of Early Planted Grain Sorghum Hybrids Tested at the Upper Coastal Plain Substation, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{3/} In.	Mid-bloom Date	Head type ^{4/} Rating ^{5/}
Northrup-King	X3101A	60.9	0.0	3.9	6.3	7/2	1.0
DeKalb	BR-64	58.4	0.0	3.6	5.3	7/8	3.0
Funk's	G-459 BR	54.9	0.0	3.4	5.5	7/1	2.3
ACCO	R-1090	52.2	0.0	2.8	4.3	7/2	3.0
McNair	656	51.2	0.0	2.8	5.0	7/2	3.0
DeKalb	BR-54	50.7	0.0	3.7	6.0	7/8	2.8
DeKalb	BR-63	48.8	0.0	3.2	5.8	7/10	2.0
Green	BB-5046-0	47.7	0.0	2.8	3.5	7/6	2.8
Excel	733	47.7	0.0	2.8	4.8	7/5	2.5
Excel	Bird-Go-68	47.0	0.0	3.1	6.3	7/6	2.8
Golden Acres	TE Bird-A-Boo	46.4	0.0	3.0	4.8	7/1	3.0
Pennington	Penngrain BR	44.8	2.3	3.5	4.8	7/3	3.0
Asgrow	H-724	44.4	0.0	3.9	7.0	7/6	1.5
Funk's	BR-79	44.1	3.8	3.9	5.8	7/1	3.0
Funk's	G-516 BR	43.2	0.0	3.0	5.5	7/6	3.0
Green	EE-6146-T	42.8	0.0	3.1	5.5	7/1	3.0
ACCO	R-1029A	42.6	0.0	2.9	4.3	7/1	3.0
Warner	W-832	42.2	0.0	3.4	5.8	7/6	2.0
Excel	808	42.1	0.0	3.1	4.0	7/3	3.0
ACCO	X-9418	40.5	0.0	3.2	6.8	7/4	2.3
Niagara	ORO	39.7	0.0	2.9	3.8	7/6	2.5
Funk's	G-589	38.6	0.0	3.2	5.0	7/8	1.8
Northrup-King	Savanna 4	37.2	0.0	3.3	5.5	7/4	2.0
Funk's	G-522	37.1	0.0	3.1	4.8	7/6	2.8
McNair	650	36.8	0.0	3.3	5.8	7/6	2.5
McNair	654	35.6	0.0	3.2	5.5	7/4	2.8
Warner	W-866	35.3	0.0	3.6	6.3	7/3	2.0
Pioneer	B815	34.8	0.0	3.8	4.8	7/9	2.3

Table 16. (Cont'd) Yield and Other Characteristics of Early Planted Grain Sorghum Hybrids Tested at the Upper Coastal Plain Substation, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{3/} In.	Mid-bloom Date	Head type ^{4/} Rating
DeKalb	E-59	31.8	0.0	3.0	4.5	7/7	2.8
Golden Acres	Y-101	28.9	0.0	2.9	5.5	7/8	2.8
Asgrow	Dixie	28.6	0.0	3.1	4.0	7/8	1.8
Niagara	ORO-T	27.9	0.0	3.2	6.3	7/4	2.3
McNair	895	24.8	0.0	3.5	5.3	7/8	2.5

^{1/}Planted: May 5, 1975.

^{2/}Yields adjusted to 14% moisture and 56 lb. per bushel.

^{3/}Measured from terminal leaf to base of the head.

^{4/}1=tight; 2=medium; 3=loose.

Table 17. Yield and Other Characteristics of Early Planted Grain Sorghum Hybrids Tested for Two Years at the Upper Coastal Plain Substation, 1974-75

Brand name	Hybrid	Yield ^{1/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{2/} In.	Head type ^{3/} Rating
DeKalb	BR-64	66.6	0.0	3.5	5.3	3.0
DeKalb	BR-54	64.5	0.0	3.5	4.9	2.9
Funk's	G-459-BR	58.2	0.0	3.5	5.3	2.0
Excel	Bird Co-68	55.9	0.0	3.1	5.3	2.8
ACCO	X-9418	55.5	0.0	3.4	5.6	2.1
ACCO	R-1090	54.6	0.0	3.1	4.1	2.8
Funk's	BR-79	53.0	0.0	4.0	6.3	3.0
Pennington	Penngrain BR	52.3	1.9	3.6	5.1	3.0
DeKalb	BR-63	52.0	1.1	3.1	4.9	1.9
Funk's	G-516 BR	51.6	0.0	3.1	5.0	2.9
Funk's	G-522	50.9	0.0	3.0	4.1	2.4
McNair	654	50.9	0.0	3.2	4.8	2.4
Golden Acres	T.E. Bird-A-Boo	49.7	0.0	3.1	4.9	3.0
Pioneer	B815	48.9	0.0	3.8	4.8	2.1
Golden Acres	TE Y-101	44.0	0.0	2.9	3.9	2.4
DeKalb	E-59	43.6	0.0	3.0	4.0	2.4
McNair	895	41.4	0.0	3.8	6.1	2.3

^{1/}Yields adjusted to 14% moisture and 56 lb. per bushel.

^{2/}Measured from terminal leaf to base of the head.

^{3/}1=tight; 2=medium; 3=loose.

Table 18. Yield and Other Characteristics of Early Planted Grain Sorghum Tested for Three Years at the Upper Coastal Plain Substation, 1973-75

Brand name	Hybrid	Yield ^{1/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{2/} In.	Head type ^{3/} Rating
DeKalb	-----BR-64	69.1	0.0	3.7	6.2	2.8
DeKalb	-----BR-54	68.9	0.0	3.7	4.9	2.6
Excel	-----Bird-Go-68	59.6	0.0	3.2	5.1	2.7
Funk's	-----G-516 BR	53.7	0.0	3.2	4.9	2.7
Funk's	-----G-522	52.3	0.0	3.0	4.2	2.2
McNair	-----654	52.3	0.0	3.4	5.2	2.3
McNair	-----895	48.9	0.0	3.8	6.2	1.9
Golden Acres	-----TE Y-101	48.7	0.0	2.9	3.8	2.2
Pennington	-----Penngrain BR	46.7	16.2	3.5	4.9	3.0
DeKalb	-----E-59	45.6	0.0	3.1	4.1	2.1
Funk's	-----BR-79	45.3	18.8	3.8	5.6	3.0
Golden Acres	-----TE Bird-A-Boo	43.7	10.8	3.0	4.9	3.0

^{1/}Yields adjusted to 14% moisture and 56 lb. per bushel.

^{2/}Measured from terminal leaf to base of the head.

^{3/}1=tight; 2=medium; 3=loose.

Table 19. Yield and Other Characteristics of Late Planted Grain Sorghum Hybrids Tested at the Upper Coastal Plain Substation, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head		Mid-bloom Date	Head type ^{4/} Rating
					exsertion ^{3/} In.	exsertion ^{3/} In.		
DeKalb	BR-64	41.9	0.0	3.3	6.8	6.8	8/24	2.8
Northrup-King	X3101A	36.8	0.0	3.8	8.8	8.8	8/25	1.0
DeKalb	E-59	36.5	0.0	2.5	5.5	5.5	8/27	1.3
DeKalb	BR-54	32.7	0.0	3.3	9.8	9.8	8/22	3.0
DeKalb	BR-63	32.7	0.0	3.2	8.5	8.5	8/26	1.0
Funk's	G-516 BR	31.4	0.0	2.3	4.3	4.3	8/26	2.8
McNair	656 BR	31.3	0.0	2.4	4.8	4.8	8/26	2.5
Funk's	G-459 BR	29.6	0.0	2.9	7.0	7.0	8/28	1.8
Funk's	BR-79	29.0	3.0	3.3	8.0	8.0	8/19	3.0
ACCO	R-1029A	28.3	0.0	2.5	5.5	5.5	8/24	2.0
Excel	Bird-Go-69	28.0	0.0	2.4	3.8	3.8	8/27	3.0
ACCO	R-1090	27.6	0.0	2.5	7.0	7.0	8/23	2.5
Funk's	G-589	27.1	0.0	3.0	6.8	6.8	8/25	1.0
ACCO	X-9418	26.9	0.0	2.6	6.5	6.5	8/24	2.5
Excel	733	26.3	0.0	2.5	5.3	5.3	8/24	1.8
McNair	650	24.0	0.0	2.4	6.0	6.0	8/22	1.8
Warner	W-832	23.6	0.0	3.0	6.8	6.8	8/26	1.0
Green	BB-5046-0	23.5	0.0	2.5	5.3	5.3	8/25	1.8
Excel	808	23.5	0.0	2.6	4.0	4.0	8/24	2.0
Pennington	Penngrain BK	23.4	13.3	3.4	7.3	7.3	8/21	3.0
McNair	895	23.3	0.0	3.0	8.0	8.0	8/26	1.5
Golden Acres	TE Bird-A-Bo83.3	23.3	0.0	2.7	5.0	5.0	8/25	3.0
Northrup King	Savanna 4	23.1	0.0	2.5	6.5	6.5	8/19	1.5
Pioneer	B815	23.1	0.5	3.4	7.0	7.0	8/25	1.5
Golden Acres	TE Y-101	23.0	0.0	2.4	5.3	5.3	8/24	1.6
Green EE	6146-T	22.1	0.0	2.5	3.5	3.5	8/24	2.8
Warner	W-866	22.1	0.0	3.3	8.3	8.3	8/24	1.0
Niagara	ORO	21.9	0.0	2.4	4.0	4.0	8/23	1.5

Table 19. (Cont'd) Yield and Other Characteristics of Late Planted Grain Sorghum Hybrids Tested at the Upper Coastal Plain Substation, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{3/} In.	Mid-bloom Date	Head type ^{4/} Rating
McNair	654	21.5	0.0	2.8	7.8	8/21	2.0
Niagara	ORO-T	21.2	0.0	3.3	8.0	8/23	1.3
Funk's	G-522	19.1	0.0	2.4	4.3	8/24	1.8
ASGROW	H-724	16.6	6.3	3.3	9.5	8/25	1.0
ASGROW	Dixie	15.1	0.0	2.6	6.0	8/23	1.0

^{1/}Planted: June 24, 1975.

^{2/}Yields adjusted to 14% moisture and 56 lb. per bushel.

^{3/}Measured from terminal leaf to base of the head.

^{4/}1=tight; 2=medium; 3=loose.

Table 20. Yield and Other Characteristics of Late Planted Grain Sorghum Hybrids Tested Two Years at the Upper Coastal Plain Substation, 1974-75

Brand name	Hybrid	Yield ¹ / Bu/A	Lodging Pct.	Height Ft.	Head exsertion ² / In.	Head type ³ / Rating	Estimated bird damage Pct.
ACCO	X-9418	38.0	0.0	2.8	5.3	2.3	0.0
DeKalb	BR-64	37.0	0.0	3.3	6.5	2.4	0.0
DeKalb	BR-54	36.6	0.0	3.5	8.0	2.8	0.0
Funk's	G-516 BR	35.7	0.0	2.5	3.5	2.8	0.0
DeKalb	BR-63	35.5	0.0	3.1	6.9	1.0	0.0
Funk's	BR-79	34.6	1.6	3.5	7.3	2.9	0.0
Excel	Bird-Co-68	33.6	0.0	2.5	3.0	2.6	0.0
DeKalb	E-59	32.4	0.0	2.5	4.5	1.6	5.6
ACCO	R-1090	30.8	0.0	2.7	5.5	2.3	2.5
Pennington	Penngrain BR	30.6	6.6	3.2	5.5	3.0	0.0
Golden Acres	TE Y-101	28.6	0.0	2.6	4.4	1.9	8.8
Golden Acres	TE Bird-A-Boo	28.3	0.3	2.7	4.8	2.8	0.0
Funk's	G-459 BR	27.8	0.0	3.0	5.4	1.6	0.0
Pioneer	B815	26.5	0.3	3.4	6.0	1.5	0.0
McNair	654	23.9	0.0	3.0	6.8	2.0	20.6
Funk's	G-522	23.2	0.0	2.6	3.8	1.9	10.0
McNair	895	22.0	0.0	3.0	6.8	1.6	28.1

¹/Yields adjusted to 14% moisture and 56 lb. per bushel; not adjusted for bird damage.

²/Measured from terminal leaf to base of the head.

³/1=tight; 2=medium; 3=loose.

Table 21. Yield and Other Characteristics of Late Planted Grain Sorghum Hybrids Tested Three Years at the Upper Coastal Plain Substation, 1973-75.

Brand name	Hybrid	Yield ^{1/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{2/} In.	Head type ^{3/} Rating	Estimated bird damage Pct.
DeKalb-----	BR-54	37.9	0.0	3.4	7.4	2.5	0
DeKalb-----	BR-64	36.6	0.0	3.3	6.6	2.3	0
Funk's-----	BR-79	33.1	1.1	3.3	6.9	2.8	0
Funk's-----	G-516 BR	31.0	0.0	2.4	3.5	2.5	0
Pennington---	Penngrain BR	30.6	4.4	2.9	5.0	2.9	0
Golden Acres---	TE Y-101	30.6	0.0	2.5	4.0	1.8	6
Excel-----	Bird-Go-68	29.0	0.0	2.4	3.0	2.4	0
DeKalb-----	E-59	28.4	0.0	2.4	4.4	1.6	4
Golden Acres---	TE Bird-A-Boo	25.6	0.2	2.4	4.6	2.8	0
Funk's-----	G-522	24.2	0.0	2.4	3.5	1.8	7
McNair-----	654	23.5	0.0	2.9	6.4	1.9	14
McNair-----	895	23.4	0.0	2.9	6.1	1.5	19

1/ Yields adjusted to 14% moisture and 56 lb. per bushel; not adjusted for bird damage.

2/ Measured from terminal leaf to base of the head.

3/ 1=tight; 2=medium; 3=loose.

Table 22. Yield and Other Characteristics of Grain Sorghum Hybrids Tested at the Wiregrass Substation, 1975^{1/}

Brand name	Hybrid	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{3/} In.	Mid-bloom Date	Head type ^{4/} Rating	Estimated bird damage Pct.
DeKalb	BR-54	99.0	3.5	5.0	15.5	7/7	3.0	0.0
Pioneer	B815	94.6	1.8	4.8	13.5	7/3	2.0	0.0
Funk's	BR-79	89.1	13.8	4.6	14.5	7/1	3.0	1.3
Asgrow	H-724	88.2	10.3	4.9	14.5	7/2	2.3	0.0
McNair	656 BR	88.0	0.0	4.1	11.0	7/11	3.0	0.0
DeKalb	BR-63	87.2	0.0	4.2	11.0	7/2	1.5	1.3
Funk's	G-516 BR	83.5	0.0	4.0	11.0	7/10	3.0	0.0
Northrup-King	X3101A	82.8	0.0	4.8	13.0	7/2	1.0	0.0
Excel	Bird-Co-68	82.3	0.0	4.1	11.5	7/10	3.0	0.0
DeKalb	BR-64	80.9	0.3	4.6	13.5	7/9	3.0	0.0
ACCO	X-9418	79.4	0.3	4.0	12.5	7/7	3.0	2.5
Pennington	Fenngrain BR	78.0	16.3	4.3	13.8	7/1	2.5	0.0
Golden Acres	TE Bird-A-Boo	70.9	1.3	4.0	11.5	7/9	3.0	0.0
Funk's	G-459 BR	68.4	1.0	4.1	11.5	7/6	2.3	0.0
Northrup-King	Savanna 4	66.3	0.0	4.0	12.5	7/1	2.3	0.0
Asgrow	Dixie	64.0	0.5	4.3	11.5	7/2	2.8	0.0
Funk's	G-589	55.4	0.0	4.3	10.0	7/1	1.8	13.8
Coker	74-17	54.3	0.0	3.9	14.3	7/2	3.0	3.8
Funk's	G-522	5/	0.0	3.8	9.5	7/5	3.0	72.5
ACCO	R-1090	5/	0.3	3.8	9.0	7/9	3.0	87.5
ACCO	R-1029A	5/	0.0	3.9	9.5	7/7	3.0	95.0
Asgrow	Capitan	5/	0.0	3.8	11.0	7/18	3.0	98.8
DeKalb	E-59	5/	0.3	3.9	11.0	7/13	3.0	73.8
Excel	733	5/	0.0	3.8	7.5	7/4	3.0	88.8
Excel	808	5/	0.5	4.0	7.3	7/6	3.0	96.3
McNair	654	5/	0.0	3.8	10.5	7/3	3.0	97.5
McNair	650	5/	0.0	3.8	9.5	7/5	3.0	97.5
McNair	895	5/	0.0	4.2	10.0	7/7	3.0	98.8

Table 22 (continued). Yield and Other Characteristics of Grain Sorghum Hybrids Tested at the Wiregrass Substation, 1975^{1/}

Brand name	Yield ^{2/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{3/} In.	Mid-bloom Date	Head type ^{4/} Rating	Estimated bird damage Pct.
McNair-----695	5/	0.0	4.0	10.5	7/12	3.0	96.3
Niagara-----ORO	5/	0.0	3.8	10.0	7/5	3.0	95.0
Niagara-----ORO-T	5/	0.0	4.7	13.5	7/6	3.0	96.3
Golden Acres-----TE Y-101	5/	0.3	3.8	9.5	7/5	3.0	91.3
Coker-----74-8	5/	0.0	4.5	12.0	7/1	3.0	100.0

1/ Planted: May 12, 1975.

2/ Yields adjusted to 14% moisture and 56 lb. per bushel; not adjusted for bird damage.

3/ Measured from terminal leaf to base of the head.

4/ 1=tight; 2=medium; 3=loose.

5/ Omitted due to excessive bird damage.

Table 23. Yield and Other Characteristics of Grain Sorghum Tested Two Years at the Wiregrass Substation, 1974-75.

Brand name	Hybrid	Yield Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{2/} In.	Head type ^{3/} Rating	Estimated bird damage Pct.
Pioneer	-----B815	96.6	4.1	4.5	9.5	1.8	0.0
DeKalb	-----BR-54	96.4	3.0	4.5	10.1	3.0	0.0
Funk's	-----BR-79	92.5	16.9	4.4	10.8	3.0	0.6
ACCO	-----X-9418	90.7	0.4	3.9	8.3	2.8	1.3
Excel	-----Bird Go-68	90.6	0.8	3.9	7.4	3.0	0.0
DeKalb	-----BR-63	83.5	0.0	3.8	7.6	1.4	0.6
Funk's	-----G-516 BR	83.4	0.0	3.8	7.1	3.0	0.0
Golden Acres	-----TE Bird-A-Boo	80.5	4.8	3.9	7.9	3.0	0.0
Pennington	-----Penngrain ER	78.6	10.6	3.9	8.1	2.8	0.0
Funk's	-----G-459 BR	76.9	1.3	3.9	8.1	2.1	0.0
DeKalb	-----BR 64	76.0	1.3	4.4	9.9	3.0	0.0
Funk's	-----G-522	<u>4/</u>	0.0	3.6	6.0	3.0	76.9
ACCO	-----R-1090	<u>4/</u>	0.4	3.8	6.3	3.0	76.0
Golden Acres	-----TE Y-101	<u>4/</u>	0.1	3.6	6.3	3.0	89.0
DeKalb	-----E-59	<u>4/</u>	0.1	3.7	6.8	3.0	76.6
McNair	-----895	<u>4/</u>	0.9	4.0	7.1	3.0	97.0
McNair	-----654	<u>4/</u>	1.5	3.7	7.0	3.0	97.3

1/ Yields adjusted to 14% moisture and 56 lb. per bushel; not adjusted for bird damage.

2/ Measured from terminal leaf to base of the head.

3/ 1=tight; 2=medium; 3=loose.

4/ Omitted due to excessive bird damage.

Table 24. Yield and Other Characteristics of Grain Sorghum Tested Three Years at the Wiregrass Substation, 1973-75

Brand name	Hybrid	Yield ^{1/} Bu/A	Lodging Pct.	Height Ft.	Head exsertion ^{2/} In.	Head type ^{3/} Rating	Estimated bird damage Pct.
Excel	Bird-Go-68	81.7	0.5	4.0	6.6	2.7	0.0
DeKalb	BR-54	80.1	12.0	4.4	8.9	2.8	0.0
Funk's	BR-79	76.2	24.2	4.1	9.2	3.0	0.4
Funk's	G-516 BR	76.2	0.0	3.8	6.2	2.7	0.6
Golden Acres	TE Bird-A-Boo	67.3	15.3	3.7	7.0	3.0	0.0
Pennington	Penngrain BR	65.0	11.7	3.7	7.2	2.8	0.0
DeKalb	BR-64	63.1	0.8	4.2	8.4	2.6	1.7
Funk's	G-522	4/	0.0	3.6	5.8	2.7	53.3
Golden Acres	TE Y-101	4/	0.1	3.6	5.8	2.7	60.6
DeKalb	F-59	4/	7.2	3.6	6.5	2.8	52.3
McNair	654	4/	1.0	3.7	6.4	2.6	69.4
McNair	895	4/	2.3	4.0	6.6	2.4	68.4

1/ Yields adjusted to 14% moisture and 56 lb. per bushel; not adjusted for bird damage.

2/ Measured from terminal leaf to base of the head.

3/ 1-tight; 2-medium; 3-loose.

4/ Omitted due to excessive bird damage.

Source of Seed for the 1975 Grain Sorghum Tests

Entry designation	Source of seed
ACCOACCO Seed
X-9418	P. O. Box 1630
R-1090*	Plainview, Texas
R-1029*	
R-1029A*	
AsgrowAsgrow Seed Company
Capitan*	P. O. Box 2010
Dixie	Des Moines, Iowa
H-724	
CokerCoker Pedigreed Seed Co.
74-8*	Hartsville, S.C.
74-17	
DeKalbDeKalb Agricultural
BR-54	Association, Inc.
BR-64	Route 2
E-59*	Lubbock, Texas
BR-63	
Excel.Excel Seed Company
RA Bird Go-68	P. O. Box 1629
RA 808*	Plainview, Texas
RA 733*	
Funk'sLouisiana Seed
G-516 BR	Company, Inc.
G-522*	P. O. Box 1367
G-459 BR	Plainview, Texas
BR-79	
G-589*	
Golden AcresTaylor-Evans Seed Co.
T.E. Bird-A-Boo	P. O. Box 480
T.E. Y-101*	Tulia, Texas

*Not bird resistant

Growers	Growers Seed Assoc. P. O. Box 1656 Lubbock, Texas
ML-135*	
P75013 BR	
P75014 BR	
P74157 BR	
McNair	McNair Seed Co. P. O. Box 1132 Plainview, Texas
895*	
654*	
650*	
656 BR	
695*	
Niagara	FMC Corporation Agricultural Chemical Division 6065 Roswell Rd. NE Atlanta, Georgia
ORO*	
ORO-T*	
Northrup-King	Northrup, King and Company P. O. Box 370 Richardson, Texas
Savanna 4	
X3101 A	
Pennington	Pennington Grain and Seed, Inc. P. O. Box 290 Madison, Georgia
Penngrain BR	
Pioneer	Pioneer Corn Company, Inc. 221 N. Main Street Tipton, Indiana
B815	
Warner	George Warner Seed Company, Inc. P. O. Box 1448 Hereford, Texas
W-832*	
W-866*	

*Not bird resistant