

Grain Sorghum

2002 Missouri
Crop Performance



Wiebold, Mason, Knerr, Hasty, Fritts, Adams

Agricultural Experiment Station
College of Agriculture Food and Natural Resources
University of Missouri-Columbia

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The Authors

William J. Wiebold is an Associate Professor of Agronomy and State Extension Specialist, Howard L. Mason is a Senior Research Specialist, and Delbert R. Knerr, Richard W. Hasty, Travis G. Fritts and Eddie W. Adams are Research Specialists.

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Missouri 2002 Grain Sorghum Performance Trials

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The University of Missouri began its performance testing program for grain sorghum hybrids in 1958. The number of commercial entries in the program increased from 40 in 1958 to 134 in 1982. The number has declined during recent years and was 44 hybrids in 2002.

The large number of commercial hybrids available makes selection of a superior hybrid difficult. To select intelligently, producers need a reliable, unbiased, up-to-date source of information that will permit valid comparisons among available hybrids. The objective of the University of Missouri's performance testing program is to provide this information. The tests are conducted under as uniform conditions as possible. Small plots are used to reduce the chance of soil and climatic variations occurring from one plot to another. Results obtained should aid the individual grower in judging the relative merits of many of the commercial grain sorghum hybrids available in Missouri today.

Comparing Hybrids

The performance of a hybrid cannot be measured with absolute precision. Uncontrollable variability is involved in the determination of each yield average. This variability sometimes occurs because the soil is not uniform, but many other conditions may contribute to it. Because variability exists in all field experimentation, statistics are used as a tool to assist in making decisions. The statistical tool used in these trials is the test of least significant difference (L.S.D.). The L.S.D. is quite simple to apply. When two entries are compared and the difference between them is greater than the L.S.D., the entries are judged to be significantly different. Differences smaller than the L.S.D. may have occurred by chance and are judged to be not significant.

Hybrid performance may seem inconsistent from location to location and from year to year because of differences in rainfall, temperature, soil fertility, diseases, insects, and other factors. To obtain an improved estimate of relative hybrid performance, results from more than one location or year should be considered. In this publication, the authors have tried to facilitate comparisons across years and locations.

In each trial, the "top yielding" hybrids have been identified. These hybrids are those that did not yield significantly less than the highest yielding hybrid in the test. They are denoted in the tables by an asterisk (*) next to their yields. Thus, by going down a column, readers can readily identify the highest yielding hybrids in a trial. By going across, readers can evaluate the relative performance of a hybrid during several years or at several locations. From the standpoint of yield, the most desirable hybrids will be those that are among the "top yielding" hybrids (that is, those that have an asterisk) the greatest number of times.

Although yield usually receives first consideration, other agronomic characteristics may be equally important when selecting a grain sorghum hybrid. Moisture content at harvest, stalk strength and resistance to insects and diseases are among the hybrid characteristics that deserve careful consideration. High moisture content at harvest, whether due to later maturity or slow dry-down, may indicate an increased drying requirement. Poor stalk strength or susceptibility to pests may decrease harvestable yield because of lodging or stand loss. Therefore, when selecting a hybrid, producers should also consider the data presented on agronomic characteristics other than yield.

The Missouri Agricultural Experiment Station does not recommend specific hybrids. Farmers growing a new hybrid for the first time should consider the information contained in this report and then grow a small acreage to determine adaptability. This should be the practice for all new hybrids regardless of origin.

Experimental Procedures

Entries. All producers of hybrid seed were eligible to enter hybrids in the 2002 evaluation trials.

Participation was voluntary. The testing coordinator exercised no control over which hybrids or how many hybrids were entered. However, to help finance the evaluation program, a fee of \$100 per location was charged for each hybrid entered by the seed producer.

Locations. On the basis of geographical characteristics, the state is divided into regions. Grain sorghum hybrid evaluation trials are located in the north-central, southwestern and southeastern regions of the state. In 2002, the locations for these trials were:

- (1) Bud & Ron Beetsma farm near Mooresville in Livingston County
- (2) Bill Cason farm near Macon in Macon County
- (3) Jim Jerman farm near Vandalia in Audrain County
- (4) Kenny Tevis farm near Hughesville in Pettis County
- (5) Bill Cook farm near Garden City in Cass County
- (6) Wally Norton farm near Lamar in Barton County
- (7) Charles Lang farm near Marston in New Madrid County
- (8) Jack Allen farm near Grayridge in Stoddard County
- (9) Delta Research Center near Portageville in Pemiscot County



Field Plot Design. Each test was arranged in a lattice field plot design with three replications. All plots were four rows wide and 20 feet long. The between-row spacing was 30 inches at all locations. Only the center two rows were harvested to determine yield.

Plot Management. The tests were planted and harvested with equipment designed for small-plot work. Fertilizer was applied at each site at the discretion of the farmer. Herbicides were used for weed control and plots were hand weeded as necessary. Management details varied from location to location and are specified on individual yield tables.

Data Recorded. Agronomic characteristics were evaluated at harvest. Head compactness was scored on a scale of 1 to 5. A score of 1 indicates the most compact or tight head, while 5 indicates the most lax or loose head. Lodging was determined by counting the number of culms inclined more than 30 degrees from vertical. Yield was measured in number of bushels per acre at a moisture content of 14.0 percent. An electronic moisture tester was used for all moisture readings. To convert yield to pounds/acre, multiply bushels/acre by 56.

Electronic Accessibility of Data. Results of the Missouri Crop Performance Trials are now available in two forms: this printed Special Report, and on the World Wide Web at <http://agebb.missouri.edu/cropperf/vartest/>. On the AgEBB, variety test information is accessible from the MAIN MENU of the AgEBB under "CROP PERFORMANCE TESTING". If you need assistance in accessing the system call 573/882-4827 for the system staff's help.

Sorghum yields were pretty normal at most Variety Test locations this year. There was moderate bird damage at the Grayridge site and the cool, wet spring adversely affected the stand at Lamar. These factors led to reduced yields at these two sites.

TABLE 1. Performance of Grain Sorghum Hybrids evaluated near Mooresville (Livingston County) on the Beetsma Farm during 2000-2002.

Planted: 20 May 2002
 Harvested: 1 October 2002
 Seeding Rate: 122,000
 Row Spacing: 30 inches
 Soil Type: Putnam Silt Loam

Fertilizer: N=120; P2O5=20; K2O=0
 Herbicide: Bicep II Mag, Paramount, Roundup, Basagran
 Irrigation: None
 Previous Crop: Soybean
 Soil Test: pH=6.7, OM=3.6%, P=56, K=342

Growing Season Rainfall: May= 6.3, June=2.8 , July=3.8, Aug.=4.3, Sept.=0.8 TOTAL=18.0 in.

Brand-Hybrid	2002				Yield (Bu/Acre)			Means	
	Mois- ture (%)	Plant Ht. (In.)	Comp- actness Score	Lodg- ing (%)	2002	2001	2000	2 Yr.	3 Yr.
	Standard Grain Sorghum								
Monsanto X128	12.3	55	1.0	0	152.8**	--	--	--	--
Dekalb DK53	12.0	54	1.0	0	151.8*	144.9*	149.9*	148.4	148.9
Pioneer hybrid 84G62	12.0	53	2.0	0	151.5*	130.8	154.1**	141.2	145.5
Monsanto X126	12.0	56	1.0	0	150.0*	--	--	--	--
Pioneer hybrid 84Y00	12.4	53	1.0	0	148.2*	134.2*	--	141.2	--
Golden Harvest H-512	11.7	55	2.0	0	145.3*	--	--	--	--
Pioneer hybrid 85G85	11.6	47	2.0	0	143.7*	128.7	145.5*	136.2	139.3
Garst/AgriPro 5440	11.8	46	2.0	0	142.7*	138.3*	--	140.5	--
Asgrow Missile	12.2	52	2.0	0	142.1*	146.0**	146.7*	144.0	144.9
Willcross WX522	10.8	50	3.0	0	140.4	--	--	--	--
Golden World GW1481	11.0	64	3.0	0	140.4	131.1	--	135.8	--
Sorghum Partners KS585	11.9	49	2.0	0	139.0	117.1	136.8	128.0	131.0
Monsanto X129	12.3	54	1.0	0	136.9	--	--	--	--
Dekalb DKS54-00	11.4	55	1.0	0	133.9	139.9*	--	136.9	--
Willcross WX544	12.2	54	3.0	0	132.9	--	--	--	--
Asgrow A571	11.0	53	1.0	0	130.9	118.4	124.3	124.6	124.5
Sorghum Partners KS955	12.3	54	1.0	0	128.4	--	--	--	--
Sorghum Partners X828	12.0	52	1.0	0	123.2	--	--	--	--
Sorghum Partners KS73-J6	10.9	47	2.0	0	119.7	123.8	141.9	121.8	128.5
TRIAL AVERAGE	11.8	53	1.7	0	139.7	127.1	136.9	133.4	134.6
L.S.D. AT .10	0.6				11.1	14.2	9.4		
C.V. %	3.5				5.8	8.1	5.0		

-- Data not available.

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

TABLE 2. Performance of Grain Sorghum Hybrids evaluated near Macon (Macon County) on the Bill Cason Farm during 2002 and near Shelbina (Shelby County) on the Emery Garrish Farm during 2000-2001.

Planted: 31 May 2002
 Harvested: 11 October 2002
 Seeding Rate: 122,000
 Row Spacing: 30 inches
 Soil Type: Mexico Silt Loam

Fertilizer: N=120; P₂O₅=80; K₂O=120
 Herbicide: Bicep II Mag, Aatrex, Basagran
 Irrigation: None
 Previous Crop: Soybean
 Soil Test: pH=6.3, OM=2.8%, P=47, K=483

Growing Season Rainfall: May= 12.7, June= 3.9, July= 5.1, Aug.= 4.8, Sept.=1.4 TOTAL=27.9 in.

Brand-Hybrid	2002				Yield (Bu/Acre)			Means	
	Moisture (%)	Plant Ht. (In.)	Comp-actness Score	Lodg-ing (%)	2002	2001	2000	2 Yr.	3 Yr.
	Standard Grain Sorghum								
Monsanto X129	13.4	50	1.0	0	174.4**	--	--	--	--
Monsanto X128	13.7	53	1.0	0	171.8*	--	--	--	--
Dekalb DK53	14.0	56	1.0	0	168.4*	133.7*	99.0*	151.0	133.7
Pioneer hybrid 84G62	13.2	51	3.0	0	161.8*	102.2	103.6*	132.0	122.5
Monsanto X126	13.5	52	1.0	0	155.8	--	--	--	--
Asgrow A571	13.3	53	2.0	0	155.0	109.8	86.7	132.4	117.2
Asgrow Missile	14.7	56	2.0	0	154.3	141.6**	96.7*	148.0	130.9
Willcross WX522	13.5	50	3.0	0	152.3	--	--	--	--
Dekalb DK554-00	13.6	52	2.0	0	151.3	131.1*	--	141.2	--
Golden World GW1481	12.1	53	3.0	0	150.0	127.3*	--	138.6	--
Pioneer hybrid 84Y00	13.7	47	1.0	0	149.8	115.2	--	132.5	--
Sorghum Partners X828	13.4	54	1.0	0	148.3	--	--	--	--
Garst/AgriPro 5440	13.9	53	3.0	0	147.2	123.7	--	135.4	--
Sorghum Partners KS73-J6	12.6	55	1.0	0	146.7	112.8	84.3	129.8	114.6
Golden Harvest H-512	13.1	51	3.0	0	146.4	--	--	--	--
Willcross WX544	13.4	49	1.0	0	146.1	--	--	--	--
Pioneer hybrid 85G85	13.2	45	3.0	0	142.2	109.3	87.5	125.8	113.0
Sorghum Partners KS955	13.7	62	2.0	0	127.3	--	--	--	--
Sorghum Partners KS585	12.1	52	3.0	0	126.4	95.5	87.7	111.0	103.2
TRIAL AVERAGE	13.4	52	1.9	0	151.3	114.7	89.9	133.0	118.6
L.S.D. AT .10	1.1				15.6	14.9	12.3		
C.V. %	6.1				7.1	8.9	9.9		

-- Data not available.

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

TABLE 3. Performance of Grain Sorghum Hybrids evaluated near Vandalia (Audrain County) on the Jim Jerman Farm during 2000-2002.

Planted: 31 May 2002
 Harvested: 11 October 2002
 Seeding Rate: 122,000
 Row Spacing: 30 inches
 Soil Type: Mexico Silt Loam

Fertilizer: N=120; P2O5=80; K2O=120
 Herbicide: Bicep II Mag, Aatrex, Laredo
 Irrigation: None
 Previous Crop: Soybean
 Soil Test: pH=7.2, OM=2.4%, P=54, K=145

Growing Season Rainfall: May= 6.5, June= 5.0, July= 2.3, Aug.= 4.5, Sept.= 4.5 TOTAL=22.8 in.

Brand-Hybrid	2002				Yield (Bu/Acre)			Means	
	Moisture (%)	Plant Ht. (In.)	Comp-actness Score	Lodging (%)	2002	2001	2000	2 Yr.	3 Yr.
	Standard Grain Sorghum								
Dekalb DK53	11.9	41	2.0	0	161.2**	103.7	120.2	132.4	128.4
Monsanto X128	11.2	47	2.0	0	161.1*	--	--	--	--
Pioneer hybrid 84G62	11.4	55	3.0	0	160.3*	146.6	120.8	153.4	142.6
Monsanto X129	11.2	47	1.0	0	158.6*	--	--	--	--
Pioneer hybrid 84Y00	10.8	45	1.0	0	156.1*	111.7	--	133.9	--
Dekalb DKS54-00	11.1	53	2.0	0	152.7*	159.2**	--	156.0	--
Asgrow Missile	11.1	49	2.0	2	151.1*	124.7	130.5*	137.9	135.4
Golden Harvest H-512	10.4	52	1.0	0	146.6	--	--	--	--
Sorghum Partners KS73-J6	9.7	47	1.0	0	143.4	134.1	121.7*	138.8	133.1
Monsanto X126	11.2	46	1.0	0	143.3	--	--	--	--
Garst/AgriPro 5440	10.1	44	2.0	0	142.8	144.5	--	143.6	--
Sorghum Partners X828	10.4	48	1.0	0	142.8	--	--	--	--
Golden World GW1481	8.7	46	3.0	0	140.1	137.0	--	138.6	--
Willcross WX522	10.8	41	3.0	0	137.7	--	--	--	--
Asgrow A571	10.0	45	2.0	0	135.9	144.6	118.7	140.2	133.1
Willcross WX544	10.9	48	4.0	0	135.5	--	--	--	--
Sorghum Partners KS955	11.6	47	1.0	0	134.8	--	--	--	--
Pioneer hybrid 85G85	10.4	48	3.0	3	105.3	137.8	121.0	121.6	121.4
Sorghum Partners KS585	10.9	41	2.0	30	66.2	112.6	71.4	89.4	83.4
TRIAL AVERAGE	10.7	47	1.9	2	140.8	132.0	114.1	136.4	129.0
L.S.D. AT .10	1.0				10.6	NS	11.9		
C.V. %	5.9				5.3	17.2	7.5		

-- Data not available.

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

NS Not Significant.

TABLE 4. Performance of Standard Grain Sorghum Hybrids evaluated at Three North Missouri locations (Mooresville, Macon, Vandalia) during 2002.

<u>Mooresville</u> Planted: 20 May 2002 Harvested: 1 October 2002 Seeding Rate: 122,000 Row Spacing: 30 inches Soil Type: Putnam Silt Loam	<u>Macon</u> Planted: 31 May 2002 Harvested: 11 October 2002 Seeding Rate: 122,000 Row Spacing: 30 inches Soil Type: Mexico Silt Loam	<u>Vandalia</u> Planted: 31 May 2002 Harvested: 11 October 2002 Seeding Rate: 122,000 Row Spacing: 30 inches Soil Type: Mexico Silt Loam
Growing Season Rainfall: 18.0 in.	Growing Season Rainfall: 27.9 in.	Growing Season Rainfall: 22.8 in.

Brand-Hybrid	Lodging (%)				Yield (Bu/Acre)			
	Mooresville	Macon	Vandalia	Mean	Mooresville	Macon	Vandalia	Mean
Standard Grain Sorghum								
Monsanto X128	0	0	0	0	152.8**	171.8*	161.1*	161.9**
Dekalb DK53	0	0	0	0	151.8*	168.4*	161.2**	160.5*
Pioneer hybrid 84G62	0	0	0	0	151.5*	161.8*	160.3*	157.9*
Monsanto X129	0	0	0	0	136.9	174.4**	158.6*	156.6*
Pioneer hybrid 84Y00	0	0	0	0	148.2*	149.8	156.1*	151.4
Monsanto X126	0	0	0	0	150.0*	155.8	143.3	149.7
Asgrow Missile	0	0	2	1	142.1*	154.3	151.1*	149.2
Golden Harvest H-512	0	0	0	0	145.3*	146.4	146.6	146.1
Dekalb DKS54-00	0	0	0	0	133.9	151.3	152.7*	146.0
Garst/AgriPro 5440	0	0	0	0	142.7*	147.2	142.8	144.2
Golden World GW1481	0	0	0	0	140.4	150.0	140.1	143.5
Willcross WX522	0	0	0	0	140.4	152.3	137.7	143.5
Asgrow A571	0	0	0	0	130.9	155.0	135.9	140.6
Willcross WX544	0	0	0	0	132.9	146.1	135.5	138.2
Sorghum Partners X828	0	0	0	0	123.2	148.3	142.8	138.1
Sorghum Partners KS73-J6	0	0	0	0	119.7	146.7	143.4	136.6
Pioneer hybrid 85G85	0	0	3	1	143.7*	142.2	105.3	130.4
Sorghum Partners KS955	0	0	0	0	128.4	127.3	134.8	130.2
Sorghum Partners KS585	0	0	30	10	139.0	126.4	66.2	110.5
TRIAL AVERAGE	0	0	2	1	139.7	151.3	140.8	143.9
L.S.D. AT .10					11.1	15.6	10.6	7.1
C.V. %					5.8	7.1	5.3	6.1

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

TABLE 5. Performance of Grain Sorghum Hybrids evaluated near Hughesville (Pettis County) on the Kenny Tevis Farm during 2000-2002.

Planted: 5 June 2002
 Harvested: 11 October 2002
 Seeding Rate: 122,000 seeds/A
 Row Spacing: 30 inches
 Soil Type: Macksburg Silt Loam

Fertilizer: N=142; P2O5=48; K2O=58
 Herbicide: Guardsman, Atrazine, Roundup, Basagran
 Irrigation: None
 Previous Crop: Soybean
 Soil Test: pH=5.9, OM=2.3%, P=129, K=352

Growing Season Rainfall: May= 10.5, June= 1.6, July= 2.5, Aug.= 2.0, Sept.= 1.3 TOTAL=17.9 in.

Brand-Hybrid	2002				Yield (Bu/Acre)			Means	
	Mois- ture (%)	Plant Ht. (In.)	Comp- actness Score	Lodg- ing (%)	2002	2001	2000	2 Yr.	3 Yr.
	Standard Grain Sorghum								
Pioneer hybrid 84G62	16.2	48	4.0	0	135.6**	144.9	172.0**	140.2	150.8
Monsanto X126	15.8	49	3.0	0	126.2*	--	--	--	--
Pioneer hybrid 84Y00	15.0	50	1.0	0	126.1*	157.6*	--	141.8	--
Dekalb DKS42-20	13.4	52	2.0	0	123.5	--	--	--	--
Sorghum Partners KS585	14.8	47	2.0	0	120.1	159.5**	142.2	139.8	140.6
Garst/AgriPro 5515	14.2	45	4.0	0	119.4	148.4	160.1	133.9	142.6
Asgrow Missile	14.4	52	1.0	0	119.2	152.2*	166.8*	135.7	146.1
Dekalb DKS54-00	14.6	49	2.0	0	115.5	157.8*	--	136.6	--
Dekalb DKS44-41	13.9	46	2.0	0	115.4	--	--	--	--
Garst/AgriPro 5750	12.9	46	2.0	0	114.7	--	--	--	--
Dekalb DK44	12.4	48	3.0	0	114.1	137.9	151.3	126.0	134.4
Sorghum Partners KS73-J6	13.6	53	1.0	0	114.0	152.1*	158.0	133.0	141.4
Triumph TR82-G	14.5	51	3.0	2	113.5	151.7*	148.2	132.6	137.8
Asgrow A459	14.2	51	3.0	0	113.0	145.1	157.9	129.0	138.7
Asgrow Orbit	12.6	52	2.0	0	110.3	--	--	--	--
Triumph TR465	15.0	46	3.0	0	108.7	141.7	--	125.2	--
Willcross WXF565	14.3	55	3.0	0	107.7	--	--	--	--
Asgrow Eclipse	12.5	44	2.0	0	104.0	131.8	--	117.9	--
Sorghum Partners KS955	14.3	60	2.0	0	99.8	--	--	--	--
Sorghum Partners X828	14.5	52	1.0	0	85.1	--	--	--	--
TRIAL AVERAGE	14.2	50	2.3	0	114.3	147.3	152.1	130.8	137.9
L.S.D. AT .10	1.6				11.5	10.0	10.4		
C.V. %	8.0				6.7	4.6	5.0		

-- Data not available.

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

TABLE 6. Performance of Grain Sorghum hybrids evaluated near Garden City (Cass County) on the Bill Cook Farm during 2002 and near Urich (Henry County) on the Kurt Gretzinger Farm during 2000-2001.

Planted: 3 June 2002
 Harvested: 17 September 2002
 Seeding Rate: 122,000 seeds/A
 Row Spacing: 30 Inches
 Soil Type: Haig Silt Loam

Fertilizer: N=160; P2O5=80; K2O=100
 Herbicide: Bicep, Aatrex, Roundup, Buctril
 Irrigation: None
 Previous Crop: Soybean
 Soil Test: pH=5.6, OM=2.9%, P=30, K=338

Growing Season Rainfall: May= 11.0, June= 1.8, July= 2.4, Aug.= 2.4, Sept.= 2.5 TOTAL=20.1 in.

Brand-Hybrid	2002				Yield (Bu/Acre)			Means	
	Mois- ture (%)	Plant Ht. (In.)	Comp- actness Score	Lodg- ing (%)	2002	2001	2000	2 Yr.	3 Yr.
	Standard Grain Sorghum								
Pioneer hybrid 84Y00	20.7	56	1.0	0	161.1**	106.4*	--	133.8	--
Monsanto X126	22.1	50	2.0	0	159.6*	--	--	--	--
Pioneer hybrid 84G62	21.7	50	3.0	4	154.6*	87.2*	149.1**	120.9	130.3
Asgrow Missile	21.9	48	2.0	0	147.8	97.1*	123.7	122.4	122.9
Dekalb DKS54-00	23.6	58	2.0	0	146.8	93.9*	--	120.4	--
Dekalb DKS44-41	22.6	50	3.0	1	145.2	--	--	--	--
Triumph TR465	21.5	50	1.0	0	144.2	98.7*	--	121.4	--
Sorghum Partners KS73-J6	19.3	58	2.0	0	143.8	73.2	129.3	108.5	115.4
Dekalb DKS42-20	19.3	49	3.0	0	143.3	--	--	--	--
Sorghum Partners KS955	20.0	63	1.0	0	143.1	--	--	--	--
Garst/AgriPro 5515	20.8	49	2.0	0	140.8	83.6	133.3	112.2	119.2
Triumph TR82-G	20.6	57	1.0	2	139.5	105.7*	140.4*	122.6	128.5
Sorghum Partners X828	22.3	57	1.0	2	138.5	--	--	--	--
Asgrow Eclipse	20.5	43	2.0	0	133.1	90.8*	--	112.0	--
Asgrow Orbit	19.2	52	2.0	0	132.8	--	--	--	--
Dekalb DK44	20.8	49	2.0	0	132.3	98.6*	114.9	115.4	115.3
Willcross WXF565	19.5	62	1.0	0	132.3	--	--	--	--
Asgrow A459	17.6	54	1.0	0	130.2	96.7*	132.8	113.4	119.9
Sorghum Partners KS585	19.5	48	1.0	0	128.3	87.8*	124.5	108.0	113.5
Garst/AgriPro 5750	17.0	53	1.0	0	115.8	--	--	--	--
TRIAL AVERAGE	20.5	53	1.7	0	140.7	90.6	130.1	115.6	120.5
L.S.D. AT .10	3.0				12.3	20.8	12.8		
C.V. %	10.6				5.9	15.2	7.2		

-- Data not available.

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

TABLE 7. Performance of Grain Sorghum Hybrids evaluated near Lamar (Barton County) on the Wally Norton Farm during 2000-2002.

Planted: 3 May 2002
 Harvested: 1 October 2002
 Seeding Rate: 122,000 seeds/A
 Row Spacing: 30 inches
 Soil Type: Barden Silt Loam

Fertilizer: N=136; P₂O₅=53; K₂O=69
 Herbicide: Bicep II Mag, Basagran
 Irrigation: None
 Previous Crop: Soybean
 Soil Test: pH=5.3, OM=2.1%, P=31, K=175

Growing Season Rainfall: May= 11.5, June= 4.2, July= 3.3, Aug.= 1.5, Sept.= 1.8 TOTAL=22.3 in.

Brand-Hybrid	2002				Yield (Bu/Acre)			Means	
	Mois- ture (%)	Plant Ht. (In.)	Comp- actness Score	Lodg- ing (%)	2002	2001	2000	2 Yr.	3 Yr.
	Standard Grain Sorghum								
Pioneer hybrid 84G62	10.8	43	5.0	0	105.2**	116.2	148.7**	110.7	123.4
Dekalb DKS42-20	9.6	48	3.0	0	100.8*	--	--	--	--
Pioneer hybrid 84Y00	11.0	47	3.0	0	100.5*	130.6**	--	115.6	--
Dekalb DKS54-00	10.5	47	4.0	0	96.8*	121.4*	--	109.1	--
Triumph TR82-G	11.1	45	2.0	0	95.3*	109.1	146.6*	102.2	117.0
Asgrow Missile	11.2	45	2.0	0	95.2*	123.2*	139.3*	109.2	119.2
Monsanto X126	11.1	47	2.0	0	95.1*	--	--	--	--
Asgrow Orbit	9.7	42	2.0	0	95.0*	--	--	--	--
Triumph TR465	10.2	42	3.0	0	91.8*	107.2	--	99.5	--
Asgrow Eclipse	10.2	4	3.0	0	87.9	98.1	--	93.0	--
Dekalb DK44	10.3	41	3.0	0	87.7	115.4	131.9	101.6	111.7
Sorghum Partners KS73-J6	9.3	45	4.0	0	85.1	118.4*	133.3	101.8	112.3
Dekalb DKS44-41	11.3	44	2.0	0	84.1	--	--	--	--
Garst/AgriPro 5515	10.2	41	4.0	0	79.9	115.7	124.4	97.8	106.7
Asgrow A459	10.4	48	3.0	2	79.6	109.3	141.9*	94.4	110.3
Willcross WXF565	10.2	50	2.0	0	79.4	--	--	--	--
Sorghum Partners KS955	10.8	44	2.0	0	78.7	--	--	--	--
Sorghum Partners KS585	12.0	40	3.0	0	70.9	104.4	127.2	87.6	100.8
Sorghum Partners X828	10.5	44	1.0	0	64.1	--	--	--	--
Garst/AgriPro 5750	11.2	32	3.0	0	61.2	--	--	--	--
TRIAL AVERAGE	10.6	42	2.8	0	86.7	112.5	132.6	99.6	110.6
L.S.D. AT .10	1.2				16.2	12.5	15.2		
C.V. %	7.9				13.5	7.7	8.4		

-- Data not available.

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

TABLE 8. Performance of Standard Grain Sorghum Hybrids evaluated at Three Southwest Missouri locations (Hughesville, Garden City, Lamar) during 2002.

<u>Hughesville</u> Planted: 5 June 2002 Harvested: 11 October 2002 Seeding Rate: 122,000 seeds/A Row Spacing: 30 inches Soil Type: Macksburg Silt Loam	<u>Garden City</u> Planted: 3 June 2002 Harvested: 17 September 2002 Seeding Rate: 122,000 seeds/A Row Spacing: 30 Inches Soil Type: Haig Silt Loam	<u>Lamar</u> Planted: 3 May 2002 Harvested: 1 October 2002 Seeding Rate: 122,000 seeds/A Row Spacing: 30 inches Soil Type: Barden Silt Loam
Growing Season Rainfall: 17.9 in.	Growing Season Rainfall: 20.1 in.	Growing Season Rainfall: 22.3 in.

Brand-Hybrid	Lodging (%)				Yield (Bu/Acre)			
	Hughesville	Garden City	Lamar	Mean	Hughesville	Garden City	Lamar	Mean
Standard Grain Sorghum								
Pioneer hybrid 84G62	0	4	0	1	135.6**	154.6*	105.2**	131.8**
Pioneer hybrid 84Y00	0	0	0	0	126.1*	161.1**	100.5*	129.2*
Monsanto X126	0	0	0	0	126.2*	159.6*	95.1*	127.0*
Dekalb DKS42-20	0	0	0	0	123.5	143.3	100.8*	122.5
Asgrow Missile	0	0	0	0	119.2	147.8	95.2*	120.7
Dekalb DKS54-00	0	0	0	0	115.5	146.8	96.8*	119.7
Triumph TR82-G	2	2	0	1	113.5	139.5	95.3*	116.1
Triumph TR465	0	0	0	0	108.7	144.2	91.8*	114.9
Dekalb DKS44-41	0	1	0	0	115.4	145.2	84.1	114.9
Sorghum Partners KS73-J6	0	0	0	0	114.0	143.8	85.1	114.3
Garst/AgriPro 5515	0	0	0	0	119.4	140.8	79.9	113.4
Asgrow Orbit	0	0	0	0	110.3	132.8	95.0*	112.7
Dekalb DK44	0	0	0	0	114.1	132.3	87.7	111.4
Asgrow Eclipse	0	0	0	0	104.0	133.1	87.9	108.3
Asgrow A459	0	0	2	1	113.0	130.2	79.6	107.6
Sorghum Partners KS955	0	0	0	0	99.8	143.1	78.7	107.2
Willcross WXF565	0	0	0	0	107.7	132.3	79.4	106.5
Sorghum Partners KS585	0	0	0	0	120.1	128.3	70.9	106.4
Garst/AgriPro 5750	0	0	0	0	114.7	115.8	61.2	97.2
Sorghum Partners X828	0	2	0	1	85.1	138.5	64.1	95.9
TRIAL AVERAGE	0	0	0	0	114.3	140.7	86.7	113.9
L.S.D. AT .10					11.5	12.3	16.2	7.6
C.V. %					6.7	5.9	13.5	8.7

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

TABLE 9. Performance of Grain Sorghum Hybrids evaluated near Marston (New Madrid County) on the Charles Lang Farm during 2001-2002 and near Chaffee on the Tom Obermann Farm during 2000.

Planted: 26 May 2002
 Harvested: 17 September 2002
 Seeding Rate: 122,000
 Row Spacing: 30 Inches
 Soil Type: Sharkey Silty Clay Loam

Fertilizer: N=130, P₂O₅=0, K₂O=40
 Herbicide: Aatrex 4L, Dual II Mag
 Irrigation: 2.4"
 Previous Crop: Soybean
 Soil Test: pH=5.9, OM=NA, P=62, K=364

Growing Season Rainfall: May = 6.1, June = 2.3, July = 1.6, Aug = 2.6, Sept = 4.1 TOTAL=16.7

Brand-Hybrid	2002				Yield (Bu/Acre)			Means	
	Moisture (%)	Plant Ht. (In.)	Comp-actness Score	Lodg-ing (%)	2002	2001	2000	2 Yr.	3 Yr.
	Standard Grain Sorghum								
Dyna Gro 762B	12.7	60	1.0	0	139.0**	--	--	--	--
Sorghum Partners X828	14.7	56	1.0	0	138.5*	--	--	--	--
Pioneer hybrid 8282	13.7	56	2.0	0	137.1*	117.3	110.6*	127.2	121.7
Dyna Gro 751B	14.0	55	1.0	0	133.4*	--	--	--	--
Asgrow A571	12.4	46	2.0	0	133.4*	121.7	97.7*	127.6	117.6
Dekalb DKS54-00	17.0	57	1.0	0	130.7*	132.6*	--	131.6	--
Triumph TR461	13.1	52	1.0	0	129.2*	--	--	--	--
Golden World GW 9089	12.5	52	1.0	0	129.1*	--	--	--	--
Pioneer hybrid 83G66	14.3	55	1.0	0	128.7*	128.5	108.2*	128.6	121.8
Sorghum Partners KS585	12.1	47	2.0	0	127.7*	103.2	--	115.4	--
FFR 318	12.1	53	1.0	0	125.7*	--	--	--	--
Willcross WX522	13.0	52	3.0	0	125.5*	--	--	--	--
Triumph TR82-G	14.7	59	1.0	0	124.1*	138.9**	102.7*	131.5	121.9
Gateway 215	12.5	52	1.0	0	124.0*	--	--	--	--
FFR 322	13.5	54	1.0	0	122.8*	126.2	111.5*	124.5	120.2
Sorghum Partners KS955	16.6	63	1.0	0	121.3	--	--	--	--
Willcross WXF565	16.6	65	2.0	0	120.0	--	--	--	--
Gateway GS210	13.8	59	1.0	0	119.9	124.7	83.6	122.3	109.4
Asgrow Missile	15.7	55	1.0	0	118.9	118.1	101.6*	118.5	112.9
Dyna Gro 780B	14.4	58	1.0	0	118.5	--	--	--	--
Willcross WX544	13.7	55	2.0	0	118.0	--	--	--	--
Sorghum Partners KS73-J6	15.0	57	1.0	0	117.9	109.3	--	113.6	--
Golden World GW1481	12.8	54	1.0	0	117.6	127.4	--	122.5	--
Garst/AgriPro 5515	14.3	54	2.0	0	115.4	--	92.7	--	--
Willcross WX420	12.4	53	1.0	0	113.2	--	--	--	--
Golden Harvest H-512	13.2	51	1.0	0	111.8	--	--	--	--
Garst/AgriPro 5440	13.7	51	2.0	0	107.9	121.8	77.7	114.8	102.5
FFR 319W	10.5	48	1.0	0	107.8	117.8	115.9**	112.8	113.8
Pioneer hybrid 84G62	13.7	60	1.0	0	106.5	117.6	--	112.0	--
Golden World GW1489	13.6	53	1.0	0	104.6	135.9*	98.0*	120.2	112.8
TRIAL AVERAGE	13.7	55	1.3	0	122.3	121.9	97.5	122.1	113.9
L.S.D. AT .10	1.5				16.8	9.2	22.6		
C.V. %	7.7				9.8	4.8	16.7		

-- Data not available.

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

TABLE 10. Performance of Grain Sorghum Hybrids evaluated near Grayridge (Stoddard County) on the Jack Allen Farm during 2000-2002.

Planted: 16 May 2002

Harvested: 25 September 2002

Seeding Rate: 122,000 seeds/A

Row Spacing: 30 inches

Soil Type: Sharkey Silty Clay Loam

Fertilizer: N=120; P2O5=0; K2O=0

Herbicide: Dual II Mag, Aatrex

Irrigation: 2 inches

Previous Crop: Soybean

Soil Test: pH=6.4, OM=3.0%, P=53, K=643

Growing Season Rainfall: May= 9.9, June= 4.3, July= 2.8, Aug.= 2.3, Sept.= 3.5 TOTAL=22.8 in.

Brand-Hybrid	2002				Yield (Bu/Acre)			Means	
	Mois- ture (%)	Plant Ht. (In.)	Comp- actness Score	Lodg- ing (%)	2002	2001	2000	2 Yr.	3 Yr.
	Standard Grain Sorghum								
Pioneer hybrid 84G62	12.2	55	2.0	0	103.9**	115.6	--	109.8	--
Asgrow A571	8.7	49	1.0	0	100.6*	123.7	157.7*	112.2	127.3
Dyna Gro 780B	13.2	59	1.0	0	94.0*	--	--	--	--
FFR 318	11.6	52	1.0	0	93.6*	--	--	--	--
Golden Harvest H-512	11.5	50	1.0	0	90.3*	--	--	--	--
Pioneer hybrid 8282	11.9	58	3.0	0	89.6*	122.1	149.0	105.8	120.2
Asgrow Missile	12.3	57	1.0	0	89.0*	115.1	150.3	102.0	118.1
Sorghum Partners X828	11.6	53	1.0	0	88.5*	--	--	--	--
Dyna Gro 751B	13.3	53	2.0	0	87.7*	--	--	--	--
Sorghum Partners KS955	12.7	65	1.0	15	87.3*	--	--	--	--
Garst/AgriPro 5515	11.0	48	3.0	0	86.4*	--	126.7	--	--
Dyna Gro 762B	10.8	59	3.0	0	86.2*	--	--	--	--
Willcross WX522	9.6	46	4.0	0	85.6*	--	--	--	--
FFR 322	11.4	56	3.0	0	85.5*	143.0**	156.1	114.2	128.2
Sorghum Partners KS73-J6	11.3	54	2.0	0	84.9*	121.5	--	103.2	--
Willcross WX544	11.5	56	3.0	0	84.8*	--	--	--	--
Golden World GW1489	12.0	56	2.0	0	83.6*	137.0*	142.3	110.3	121.0
Dekalb DKS54-00	11.3	57	1.0	0	83.2*	118.0	--	100.6	--
Pioneer hybrid 83G66	11.0	52	2.0	0	82.6*	102.5	165.3*	92.6	116.8
Garst/AgriPro 5440	11.1	55	2.0	0	79.3*	125.5*	142.2	102.4	115.7
Golden World GW 9089	12.5	59	3.0	0	76.5	--	--	--	--
Triumph TR82-G	13.2	61	1.0	0	76.2	139.9*	159.5*	108.0	125.2
Willcross WXF565	10.6	62	1.0	0	74.7	--	--	--	--
Golden World GW1481	9.9	49	3.0	0	74.4	114.4	--	94.4	--
Triumph TR461	11.1	54	2.0	0	73.6	--	--	--	--
Sorghum Partners KS585	12.1	44	4.0	0	70.5	118.5	--	94.5	--
Gateway 215	12.1	59	1.0	0	63.7	--	--	--	--
Gateway GS210	12.5	59	1.0	0	59.6	124.2*	149.8	91.9	111.2
Willcross WX420	11.7	47	4.0	1	56.3	--	--	--	--
FFR 319W	10.1	45	2.0	0	49.8	120.0	148.2	84.9	106.0
TRIAL AVERAGE	11.5	54	2.0	0	81.4	120.0	145.8	100.7	115.7
L.S.D. AT .10	1.4				25.0	19.1	15.1		
C.V. %	9.0				21.6	10.8	7.5		

-- Data not available.

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

TABLE 11. Performance of Grain Sorghum Hybrids evaluated near Portageville (Pemiscot County) on the Delta Research Center during 2000-2002.

Planted: 6 May 2002
 Harvested: 12 September 2002
 Seeding Rate: 122,000 seeds/A
 Row Spacing: 30 inches
 Soil Type: Tiptonville Silt Loam

Fertilizer: N=260; P2O5=0; K2O=0
 Herbicide: Aatrex 4L, Dual II Mag
 Irrigation: 8.0"
 Previous Crop: Soybean
 Soil Test: pH=5.9, OM=1.1%, P=101, K=252

Growing Season Rainfall: May= 7.7, June= 4.6, July= 1.5, Aug.= 3.1, Sept.= 8.6 TOTAL=25.5 in.

Brand-Hybrid	2002				Yield (Bu/Acre)			Means	
	Mois- ture (%)	Plant Ht. (In.)	Comp- actness Score	Lodg- ing (%)	2002	2001	2000	2 Yr.	3 Yr.
	Standard Grain Sorghum								
Golden World GW1489	12.5	55	2.0	0	166.5**	96.4	141.1*	131.4	134.7
Dyna Gro 751B	12.7	52	2.0	0	166.2*	--	--	--	--
Dekalb DKS54-00	12.4	58	2.0	2	165.9*	104.7	--	135.3	--
Sorghum Partners KS955	12.6	65	1.0	0	165.2*	--	--	--	--
Willcross WX544	11.8	53	3.0	0	164.0*	--	--	--	--
FFR 318	11.1	52	1.0	0	161.9*	--	--	--	--
Pioneer hybrid 84G62	13.0	48	2.0	0	161.4*	117.4*	--	139.4	--
Pioneer hybrid 8282	12.3	55	4.0	0	159.5*	100.7	127.1	130.1	129.1
Dyna Gro 780B	12.1	57	1.0	1	157.9*	--	--	--	--
Golden World GW 9089	12.9	59	1.0	0	157.9*	--	--	--	--
Asgrow Missile	12.2	54	2.0	0	153.3*	113.5*	127.9	133.4	131.6
Gateway GS210	12.4	62	2.0	0	150.7*	112.2*	130.3*	131.4	131.1
Triumph TR82-G	12.3	49	1.0	0	150.6*	103.6	129.3	127.1	127.8
Gateway 215	12.6	59	2.0	0	150.5*	--	--	--	--
Willcross WX420	12.7	54	2.0	0	147.8	--	--	--	--
Triumph TR461	12.0	52	3.0	0	147.7	--	--	--	--
Willcross WX522	12.1	50	4.0	0	141.8	--	--	--	--
Garst/AgriPro 5440	12.2	53	3.0	0	141.4	133.4**	144.0*	137.4	139.6
Asgrow A571	10.5	49	2.0	0	140.8	89.4	132.7*	115.1	121.0
FFR 322	12.4	57	1.0	0	139.8	103.8	151.6**	121.8	131.7
Willcross WXF565	10.5	49	2.0	0	139.2	--	--	--	--
Dyna Gro 762B	11.3	49	1.0	0	136.0	--	--	--	--
Pioneer hybrid 83G66	12.6	53	2.0	0	135.7	128.4*	150.0*	132.0	138.0
Golden Harvest H-512	12.2	50	2.0	0	135.2	--	--	--	--
Sorghum Partners X828	12.4	55	1.0	0	132.8	--	--	--	--
Garst/AgriPro 5515	11.5	48	4.0	0	129.3	--	110.3	--	--
Golden World GW1481	11.4	48	2.0	0	128.9	100.6	--	114.8	--
Sorghum Partners KS585	12.5	48	2.0	0	125.8	88.5	--	107.2	--
Sorghum Partners KS73-J6	11.9	56	1.0	0	124.9	113.0*	--	119.0	--
FFR 319W	10.3	47	2.0	0	110.7	122.4*	111.7	116.6	114.9
TRIAL AVERAGE	12.0	53	2.0	0	146.3	109.1	128.5	127.7	128.0
L.S.D. AT .10	0.9				18.2	24.6	22.2		
C.V. %	5.1				8.2	16.4	12.5		

-- Data not available.

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

TABLE 12. Performance of Standard Grain Sorghum Hybrids evaluated at Three Southeast Missouri locations (Marston, Grayridge, Portageville) during 2002.

<u>Marston</u> Planted: 26 May 2002 Harvested: 17 September 2002 Seeding Rate: 122,000 Row Spacing: 30 Inches Soil Type: Sharkey Silty Clay Loam Growing Season Rainfall: 16.7	<u>Grayridge</u> Planted: 16 May 2002 Harvested: 25 September 2002 Seeding Rate: 122,000 seeds/A Row Spacing: 30 inches Soil Type: Sharkey Silty Clay Loam Growing Season Rainfall: 22.8 in.	<u>Portageville</u> Planted: 6 May 2002 Harvested: 12 September 2002 Seeding Rate: 122,000 seeds/A Row Spacing: 30 inches Soil Type: Tiptonville Silt Loam Growing Season Rainfall: 25.5 in.
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Brand-Hybrid	Lodging (%)				Yield (Bu/Acre)			
	Marston	Grayridge	Portageville	Mean	Marston	Grayridge	Portageville	Mean
Standard Grain Sorghum								
Dyna Gro 751B	0	0	0	0	133.4*	87.7*	166.2*	129.1**
Pioneer hybrid 8282	0	0	0	0	137.1*	89.6*	159.5*	128.7*
FFR 318	0	0	0	0	125.7*	93.6*	161.9*	127.1*
Dekalb DKS54-00	0	0	2	1	130.7*	83.2*	165.9*	126.6*
Asgrow A571	0	0	0	0	133.4*	100.6*	140.8	124.9*
Sorghum Partners KS955	0	15	0	5	121.3	87.3*	165.2*	124.6*
Pioneer hybrid 84G62	0	0	0	0	106.5	103.9**	161.4*	123.9*
Dyna Gro 780B	0	0	1	0	118.5	94.0*	157.9*	123.5*
Willcross WX544	0	0	0	0	118.0	84.8*	164.0*	122.3*
Golden World GW 9089	0	0	0	0	129.1*	76.5	157.9*	121.2*
Asgrow Missile	0	0	0	0	118.9	89.0*	153.3*	120.4*
Dyna Gro 762B	0	0	0	0	139.0**	86.2*	136.0	120.4*
Sorghum Partners X828	0	0	0	0	138.5*	88.5*	132.8	119.9*
Golden World GW1489	0	0	0	0	104.6	83.6*	166.5**	118.2*
Willcross WX522	0	0	0	0	125.5*	85.6*	141.8	117.6*
Triumph TR82-G	0	0	0	0	124.1*	76.2	150.6*	117.0
Triumph TR461	0	0	0	0	129.2*	73.6	147.7	116.8
FFR 322	0	0	0	0	122.8*	85.5*	139.8	116.0
Pioneer hybrid 83G66	0	0	0	0	128.7*	82.6*	135.7	115.7
Gateway 215	0	0	0	0	124.0*	63.7	150.5*	112.7
Golden Harvest H-512	0	0	0	0	111.8	90.3*	135.2	112.4
Willcross WXF565	0	0	0	0	120.0	74.7	139.2	111.3
Garst/AgriPro 5515	0	0	0	0	115.4	86.4*	129.3	110.4
Gateway GS210	0	0	0	0	119.9	59.6	150.7*	110.1
Garst/AgriPro 5440	0	0	0	0	107.9	79.3*	141.4	109.5
Sorghum Partners KS73-J6	0	0	0	0	117.9	84.9*	124.9	109.2
Sorghum Partners KS585	0	0	0	0	127.7*	70.5	125.8	108.0
Golden World GW1481	0	0	0	0	117.6	74.4	128.9	107.0
Willcross WX420	0	1	0	0	113.2	56.3	147.8	105.8
FFR 319W	0	0	0	0	107.8	49.8	110.7	89.4
TRIAL AVERAGE	0	1	0	0	122.3	81.4	146.3	116.7
L.S.D. AT .10					16.8	25.0	18.2	11.5
C.V. %					9.8	21.6	8.2	13.2

** Highest yielding hybrid in the test.

* Hybrid which did not yield significantly less than the highest yielding hybrid in the test.

Table Numbers for Grain Sorghum Hybrids

Name	Table Numbers
Asgrow A459	5, 6, 7, 8
Asgrow A571	1, 2, 3, 4, 9, 10, 11, 12
Asgrow Eclipse	5, 6, 7, 8
Asgrow Missile	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Asgrow Orbit	5, 6, 7, 8
Dekalb DK44	5, 6, 7, 8
Dekalb DK53	1, 2, 3, 4
Dekalb DKS42-20	5, 6, 7, 8
Dekalb DKS44-41	5, 6, 7, 8
Dekalb DKS54-00	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Dyna Gro 751B	9, 10, 11, 12
Dyna Gro 762B	9, 10, 11, 12
Dyna Gro 780B	9, 10, 11, 12
FFR 318	9, 10, 11, 12
FFR 319W	9, 10, 11, 12
FFR 322	9, 10, 11, 12
Garst/AgriPro 5440	1, 2, 3, 4, 9, 10, 11, 12
Garst/AgriPro 5515	5, 6, 7, 8, 9, 10, 11, 12
Garst/AgriPro 5750	5, 6, 7, 8
Gateway 215	9, 10, 11, 12
Gateway GS210	9, 10, 11, 12
Golden Harvest H-512	1, 2, 3, 4, 9, 10, 11, 12
Golden World GW 9089	9, 10, 11, 12
Golden World GW1481	1, 2, 3, 4, 9, 10, 11, 12
Golden World GW1489	9, 10, 11, 12
Monsanto X126	1, 2, 3, 4, 5, 6, 7, 8
Monsanto X128	1, 2, 3, 4
Monsanto X129	1, 2, 3, 4
Pioneer hybrid 8282	9, 10, 11, 12
Pioneer hybrid 83G66	9, 10, 11, 12
Pioneer hybrid 84G62	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Pioneer hybrid 84Y00	1, 2, 3, 4, 5, 6, 7, 8
Pioneer hybrid 85G85	1, 2, 3, 4
Sorghum Partners KS585	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Sorghum Partners KS73-J6	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Sorghum Partners KS955	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Sorghum Partners X828	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Triumph TR461	9, 10, 11, 12
Triumph TR465	5, 6, 7, 8
Triumph TR82-G	5, 6, 7, 8, 9, 10, 11, 12
Willcross WX420	9, 10, 11, 12
Willcross WX522	1, 2, 3, 4, 9, 10, 11, 12
Willcross WX544	1, 2, 3, 4, 9, 10, 11, 12
Willcross WXF565	5, 6, 7, 8, 9, 10, 11, 12

Grain Sorghum Seed Company Addresses and Characteristics of Hybrids

Brand-Hybrid	Maturity Days to 50%	Seed Coat Color	Biotype Gr.Bug Resistance	Company Addresses
Asgrow A459	68	Bz	E	Monsanto, 7159 N. 247th St. West, Mt. Hope, KS 67108 316-445-2290
Asgrow A571	76	Bz	-	
Asgrow Eclipse	67	W	C,D,E	
Asgrow Missile	76	Bz	E	
Asgrow Orbit	66	W	C,D,E	
Dekalb DK44	67	Bz	C,D,E	Monsanto , 7159 N. 247th St. West, Mt. Hope, KS 67108 316-445-2290
Dekalb DKS42-20	66	Bz	C,D,E	
Dekalb DK53	75	Bz	C,D,E	
Dekalb DKS54-00	72	Bz	C,D,E,I	
Dekalb DKS44-41	68	W	C,D,E	
Dyna Gro 751B	72	R	C,E	UAP Midsouth, 57 Germantown Ct., Suite 200, Cordova, TN. 38018 318-372-3457
Dyna Gro 762B	67	Bz	-	
Dyna Gro 780B	77	R	C,E	
FFR 319W	63	W	C	FFR Seed, 969 Cloverleaf Dr. Southaven, MS 38671 731-394-4679
FFR 318	63	Bz	-	
FFR 322	64	R	E	
Golden World GW9089	-	R	E	Crosbyton Seed Co., PO Box 429 Crosbyton, TX. 79322 806-675-2308
Golden World GW1489	-	R	E	
Golden World GW1481	-	Bz	E	
Garst/Agripro 5440	70	R	E	Garst /Agripro Seed Co, 2369 330th Box 500, Slater, IA 50244 800-831-6630
Garst /Agripro 5515	68	Bz	-	
Garst /Agripro 5750	60	Bz	E	
Gateway GS210	-	-	-	Gateway Seed Co. Inc., 5517 Van Buren Rd., Nashville , IL 62263 618-327-8000
Gateway 215	-	-	-	
Golden Harvest H512	71	R	C,E	Golden Harvest Seeds, Inc., PO Box 248, Pekin, IL. 61555 309-346-2127
Monsanto X126	75	Bz	C,D,E,I	Monsanto, 7159 N. 247 th St. W., Mt. Hope, KS. 67108 316-445-2290
Monsanto X128	74	Bz	C,D,E	
Monsanto X129	74	Bz	C,D,E,I	
Pioneer hybrid 8282	72	R	-	Pioneer Hi-Bred Int. Inc., 5700 Merle Hay Rd., Johnston, IA. 50131 515-253-5889 Pioneer Hi-Bred Int. Inc., 6767 Old Madison Pike, Suite 110, Huntsville, AL 35806 256-971-0760
Pioneer hybrid 83G66	72	R	E	
Pioneer hybrid 84G62	72	Bz	E	
Pioneer hybrid 84Y00	72	W	-	
Pioneer hybrid 85G85	69	Bz	-	
Sorghum Partners KS585	60	Bz	C,E	
Sorghum Partners KS73-J6	65	R	C,E	
Sorghum Partners KS955	68	R	C,E	
Sorghum Partners X828	67	W	C,E	

Brand-Hybrid	Maturity Days to 50%	Seed Coat Color	Biotype Gr.Bug Response	Company Addresses
Triumph TR461	67	R	C,E	Triumph Seed Co. Inc., PO Box 1050, Hwy 62 Bypass, Ralls, TX 79357 800-530-4789
Triumph TR465	67	Bz	C,E,I	
Triumph TR82-G	77	R	C,E	
Willcross WX420	66	-	-	Willcross Seed, P.O. Box 560 Garden City, MO 64747 877-862-6326
Willcross WX522	67	-	-	
Willcross WX544	70	-	-	
Willcross WXF565	70	-	-	

- Data not provided by the companies.

Descriptions for Commercial Hybrids were provided by the companies submitting them for evaluation.

Color Codes

Bz	-	Bronze
Hy	-	Heteroyellow
W	-	White
Y	-	Yellow
R	-	Red



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