Table 1. Yields of Grain Sorghum Hybrids in Arkansas Performance Tests, 2001[1,2].

Brand/Hybrid	Keiser Irr.	Keiser Nonirr.	Colt Irr.	McLelland Irr.	Avg.
ASGROW A571	7606	6957	5854	6871	6822
ASGROW Missile	7271	6821	6012	5495	6400
Croplan Genetics 330	5865	5344	5270	4873	5338
Croplan Genetics 506	6838	7387	6459	6043	6682
Croplan Genetics 540	6984	6401	6051	5151	6147
DEKALB DK53	7443	6628	6859	6089	6755
DEKALB DKS51-90	7532	7254	6322	5597	6676
DEKALB DKS54-00	7238	7237	6314	6282	6768
Dyna-Gro 751B	7520	7378	6505	6552	6989
Dyna-Gro 780B	7830	7055	6614	5789	6822
FFR 320	6934	6319	5958	6573	6446
FFR 322	7678	7580	6614	7752	7406
Garst 5515	7161	7047	5764	6204	6544
Garst AP2838	7220	6460	6543	6343	6642
Golden Acres 3694	7419	7394	5284	5854	6488
Golden Acres 444E	7755	7403	6372	6599	7032
Golden Acres 737	6803	6676	5971	4974	6106
Golden Acres 837	7188	6319	6214	6598	6580
Monsanto X901	7364	6067	5410	5812	6163
Pioneer 84G62	8382	8312	6949	6061	7426
Pioneer Brand 8282	7608	7010	6260	6270	6787
Pioneer Brand 83G66	7506	6928	6378	6368	6795
Southern States SS-650	7496	6978	6530	6788	6948
Southern States SS-800	7381	7303	5977	6789	6863
Terral TV1050	7753	7427	6882	6346	7102
Terral TV9421	7704	7451	6295	6284	6934
Terral TVX00972	7603	6934	6747	7117	7100
Terral TVX00980	7503	6551	6558	6290	6726
Terral TVX00981	8011	7452	8144	6772	7595
Terral TVX99314	7856	7063	5907	6345	6793
Terral TVX99317	7906	7166	6953	7183	7302
Triumph TR82-G	8122	7509	6990	6554	7294
Grand mean	7453	6994	6343	6269	6765
LSD (5%)	741	769	1457	1748	.
C.V. (%)	7.1	7.8	16.3	19.8	.

[1] Keiser Irr. = Northeast Research and Extension Center
Colt = Pine Tree Experiment Station
McLelland = Tracy McLelland Farm, Clark County

[2] Irrigated and nonirrigated grain sorghum performance tests were planted at the Southeast Research and Extension Center - Rohwer Division. A severe hail storm on May 27 caused extensive damage to these tests and they were subsequently abandoned.

Table 2. Performance of Irrigated Grain Sorghum Hybrids, Keiser, AR, 2001.

Brand/Hybrid	Yield lb/A	2-Year Avg. lb/A	3-Year Avg. lb/A	Grain Moist %	Plant Height in.	Head Exert. in.	Head Comp. Ratg.
Pioneer 84G62	8382	.	.	13.2	49	2	3
Triumph TR82-G	8122	8049	7387	13.1	52	3	1
Terral TVX00981	8011	.	.	13.0	54	3	1
Terral TVX99317	7906	7997	.	13.0	52	3	2
Terral TVX99314	7856	7819	.	12.9	49	3	3
Dyna-Gro 780B	7830	7818	7278	13.4	55	3	1
Golden Acres 444E	7755	7239	.	12.9	50	4	3
Terral TV1050	7753	7680	7066	12.5	52	5	1
Terral TV9421	7704	7379	6870	12.9	52	6	3
FFR 322	7678	7461	7076	13.1	54	4	1
Pioneer Brand 8282	7608	7333	6954	13.5	53	5	3
ASGROW A571	7606	7355	.	12.9	53	4	2
Terral TVX00972	7603	.	.	13.4	53	3	1
DEKALB DKS51-90	7532	7448	.	13.0	53	4	2
Dyna-Gro 751B	7520	7145	6779	13.3	51	3	1
Pioneer Brand 83G66	7506	7282	6986	13.3	53	3	2
Terral TVX00980	7503	.	.	13.0	54	6	1
Southern States SS-650	7496	7386	.	13.1	51	4	1
DEKALB DK53	7443	7440	6774	14.3	52	3	2
Golden Acres 3694	7419	.	.	13.1	50	2	3
Southern States SS-800	7381	6988	6597	12.5	49	3	2
Monsanto X901	7364	.	.	13.9	53	4	1
ASGROW Missile	7271	7525	.	13.4	51	3	3
DEKALB DKS54-00	7238	.	.	14.6	54	4	2
Garst AP2838	7220	.	.	12.9	52	4	2
Golden Acres 837	7188	.	.	13.5	52	3	3
Garst 5515	7161	.	.	13.2	51	5	3
Croplan Genetics 540	6984	.	.	13.1	50	6	2
FFR 320	6934	6648	.	13.4	52	5	3
Croplan Genetics 506	6838	.	.	12.7	50	4	1
Golden Acres 737	6803	.	.	12.8	44	4	1
Croplan Genetics 330	5865	.	.	12.7	44	4	3
Grand mean	7453	.	.	13.2	51	4	2
LSD (5%)	741	.	.	0.6	.	.	.
C.V. (%)	7.1	.	.	3.5	.	.	.

Table 2. Performance of Irrigated Grain Sorghum Hybrids, Keiser, AR, 2001, Continued.

Soil Series..... Sharkey silty clay
Previous Crop..... Soybean
Row Width..... 38 inches
Pre-emergence Herbicide..... 3 qts./A Lasso + 1 qt./A Atrazine, 4-17-01
Preplant Fertilizer..... 50 lbs./A N,P,K + 50 lbs./A urea, 4-10-01
Planting Date..... 4-17-01
Irrigation Dates..... 6-26-01, 7-09-01, 7-17-01, 7-23-01, 8-01-01, 8-09-01
Sidedress Fertilizer..... 75 lbs./A 32% urea, 5-11-01
Postemergence Herbicide..... 1 qt./A Atrazine + 0.75 qt./A Basagran, 5-17-01
Insecticide Application..... None
Harvest Date..... 8-22-01

Precipitation (inches)

	April	May	June	July	August	Total
2001	1.1	4.9	2.3	1.6	0.7	10.6
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-3.8	0.3	-1.7	-2.1	-2.1	-10.0

Table 3. Performance of Nonirrigated Grain Sorghum Hybrids, Keiser, AR, 2001.

Brand/Hybrid	Yield lb/A	2-Year Avg. lb/A	3-Year Avg. lb/A	Grain Moist %	Plant Height in.	Head Exert. in.	Head Comp. Ratg.
Pioneer 84G62	8312	.	.	12.7	49	2	3
FFR 322	7580	6861	6708	12.7	52	4	2
Triumph TR82-G	7509	7265	6793	13.1	52	4	2
Terral TVX00981	7452	.	.	12.9	52	6	2
Terral TV9421	7451	6799	6644	12.5	48	4	3
Terral TV1050	7427	6951	6832	12.4	51	3	2
Golden Acres 444E	7403	7154	.	12.5	49	4	3
Golden Acres 3694	7394	.	.	12.6	48	6	2
Croplan Genetics 506	7387	.	.	12.2	49	5	2
Dyna-Gro 751B	7378	6733	6661	13.0	52	4	2
Southern States SS-800	7303	6839	6623	12.2	49	6	2
DEKALB DKS51-90	7254	6891	.	12.7	50	5	2
DEKALB DKS54-00	7237	.	.	13.1	51	5	2
Terral TVX99317	7166	6817	.	13.0	54	4	3
Terral TVX99314	7063	7139	.	12.3	50	4	4
Dyna-Gro 780B	7055	6625	6439	12.7	52	4	2
Garst 5515	7047	.	.	12.4	49	6	4
Pioneer Brand 8282	7010	6241	6152	12.7	51	4	3
Southern States SS-650	6978	6532	.	12.8	52	3	2
ASGROW A571	6957	6933	.	12.9	52	5	3
Terral TVX00972	6934	.	.	12.9	51	3	2
Pioneer Brand 83G66	6928	6496	6300	12.9	52	4	2
ASGROW Missile	6821	6344	.	12.8	49	3	3
Golden Acres 737	6676	.	.	12.1	43	5	1
DEKALB DK53	6628	6779	6262	13.8	51	7	2
Terral TVX00980	6551	.	.	12.5	52	6	2
Garst AP2838	6460	.	.	12.5	49	4	3
Croplan Genetics 540	6401	.	.	12.7	51	6	2
FFR 320	6319	6187	.	12.6	50	8	2
Golden Acres 837	6319	.	.	12.6	51	5	4
Monsanto X901	6067	.	.	13.2	49	7	2
Croplan Genetics 330	5344	.	.	12.4	45	5	4
Grand mean	6994	.	.	12.7	50	5	2
LSD (5%)	769	.	.	0.3	2	.	.
C.V. (%)	7.8	.	.	1.8	3	.	.

Table 3. Performance of Nonirrigated Grain Sorghum Hybrids, Keiser, AR, 2001, Continued.

Soil Series..... Sharkey silty clay
Previous Crop..... Soybean
Row Width..... 38 inches
Pre-emergence Herbicide..... 3 qts./A Lasso + 1 qt./A Atrazine, 4-17-01
Preplant Fertilizer..... 50 lbs./A N,P,K + 50 lbs./A urea, 4-10-01
Planting Date..... 4-17-01
Irrigation Dates..... None
Sidedress Fertilizer..... 50 lbs./A 32% urea, 5-11-01
Postemergence Herbicide..... 1 qt./A Atrazine + 0.75 qt./A Basagran, 5-17-01
Insecticide Application..... None
Harvest Date..... 8-22-01

Precipitation (inches)

	April	May	June	July	August	Total
2001	1.1	4.9	2.3	1.6	0.7	10.6
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-3.8	0.3	-1.7	-2.1	-2.1	-10.0

Table 4. Performance of Irrigated Grain Sorghum Hybrids, Colt, AR, 2001.

Brand/Hybrid	Yield lb/A	Grain Moist %	Test Weight lbs.
Terral TVX00981	8144	12.2	54.8
Triumph TR82-G	6990	12.8	53.3
Terral TVX99317	6953	13.0	53.2
Pioneer 84G62	6949	13.1	54.4
Terral TV1050	6882	11.5	55.2
DEKALB DK53	6859	13.8	56.0
Terral TVX00972	6747	12.8	52.3
FFR 322	6614	12.1	51.5
Dyna-Gro 780B	6614	14.0	54.8
Terral TVX00980	6558	11.6	51.2
Garst AP2838	6543	11.4	46.0
Southern States SS-650	6530	12.3	50.2
Dyna-Gro 751B	6505	12.4	50.9
Croplan Genetics 506	6459	10.9	46.4
Pioneer Brand 83G66	6378	12.7	50.4
Golden Acres 444E	6372	11.5	48.6
DEKALB DKS51-90	6322	12.0	48.1
DEKALB DKS54-00	6314	12.1	51.0
Terral TV9421	6295	11.7	49.8
Pioneer Brand 8282	6260	12.3	52.1
Golden Acres 837	6214	11.8	52.3
Croplan Genetics 540	6051	11.3	50.7
ASGROW Missile	6012	13.6	52.1
Southern States SS-800	5977	10.3	45.6
Golden Acres 737	5971	12.1	51.0
FFR 320	5958	11.0	49.3
Terral TVX99314	5907	12.1	51.5
ASGROW A571	5854	11.4	48.8
Garst 5515	5764	11.2	49.4
Monsanto X901	5410	12.6	51.0
Golden Acres 3694	5284	12.9	50.8
Croplan Genetics 330	5270	11.5	49.2
Grand mean	6343	12.1	51.0
LSD (5%)	1457	1.4	5.7
C.V. (%)	16.3	8.5	8.0

Table 4. Performance of Irrigated Grain Sorghum Hybrids, Colt, AR, 2001, Continued.

Soil Series..... Calloway silt loam
Previous Crop..... Soybean
Row Width..... 30 inches
Pre-emergence Herbicide..... 2 qts./A Bicep II, 4-25-01
Planting Date..... 4-25-01
Irrigation Dates..... 6-20-01, 7-06-01, 7-26-01, 8-07-01
Sidedress Fertilizer..... 100 lbs./A of N, 5-18-01
Postemergence Herbicide..... None
Insecticide Application..... None
Harvest Date..... 9-04-01

Precipitation (inches)

	April	May	June	July	August	Total
2001	1.6	5.8	1.4	1.5	1.1	11.4

Table 5. Performance of Irrigated Grain Sorghum Hybrids, McLelland Farm, Clark Co., AR, 2001.

Brand/Hybrid	Yield lb/A	2-Year Avg. lb/A	Grain Moist %	Days to M-Fl	Plant Height in.	Test Weight lbs.
FFR 322	7752	7125	16.1	84	56	54.3
Terral TVX99317	7183	6784	15.7	86	59	53.7
Terral TVX00972	7117	.	17.0	85	53	52.9
ASGROW A571	6871	6495	17.0	85	53	51.5
Southern States SS-800	6789	6464	15.3	85	51	51.0
Southern States SS-650	6788	6373	17.8	85	53	52.8
Terral TVX00981	6772	.	16.3	85	52	53.6
Golden Acres 444E	6599	6338	17.6	84	49	50.8
Golden Acres 837	6598	.	16.6	84	52	52.0
FFR 320	6573	6113	15.5	82	51	51.0
Triumph TR82-G	6554	5711	16.1	87	51	54.8
Dyna-Gro 751B	6552	5906	17.0	85	51	53.6
Pioneer Brand 83G66	6368	6449	18.9	85	51	51.2
Terral TV1050	6346	6148	15.9	85	51	51.2
Terral TVX99314	6345	5566	17.2	86	52	52.4
Garst AP2838	6343	.	16.3	85	48	50.3
Terral TVX00980	6290	.	15.7	79	54	52.8
Terral TV9421	6284	6372	16.4	85	50	49.0
DEKALB DKS54-00	6282	.	16.2	83	55	51.0
Pioneer Brand 8282	6270	6146	16.9	84	55	51.8
Garst 5515	6204	.	14.8	78	49	51.9
DEKALB DK53	6089	6010	16.3	86	52	50.5
Pioneer 84G62	6061	.	17.4	87	48	53.4
Croplan Genetics 506	6043	.	17.8	86	48	50.7
Golden Acres 3694	5854	.	17.9	84	49	52.7
Monsanto X901	5812	.	16.3	85	51	51.3
Dyna-Gro 780B	5789	5625	15.3	85	54	53.7
DEKALB DKS51-90	5597	6249	16.6	82	53	49.4
ASGROW Missile	5495	5874	17.1	89	50	49.8
Croplan Genetics 540	5151	.	17.3	87	45	52.0
Golden Acres 737	4974	.	17.7	86	44	48.5
Croplan Genetics 330	4873	.	14.3	77	44	48.9
Grand mean	6269	.	16.6	84	51	51.7
LSD (5%)	1748	.	3.3	3	5	3.2
C.V. (%)	20	.	14.3	3	7	4.4

Soil Series..... Marietta fine sandy loam
Previous Crop..... Soybean
Row Width..... 32 inches
Pre-emergence Herbicide..... 2 pts./A Dual 8E + 2 qts./A Atrizine 4L, 4-04-01
Preplant Fertilizer..... 51 lbs./A of N,P,K, 4-02-01
Planting Date..... 4-04-01
Irrigation Dates..... 6-26-01, 7-24-01
Sidedress Fertilizer..... 96 lbs./A of N, 5-17-01
Postemergence Herbicide..... None
Insecticide Application..... None
Harvest Date..... 8-14-01

Table 6. Yields of Corn Hybrids in Arkansas Performance Tests, 2001[1,2].

Brand/Hybrid	Keiser Irr.	Marianna Irr.	Williams Farm	Avg.
Early- to Mid-Season Hybrids				
Croplan Genetics 743	175.1	189.0	113.4	159.2
Croplan Genetics 744 Bt	161.1	155.8	158.7	158.5
DEKALB DK647 BTY	182.1	204.6	131.2	172.6
Dyna-Gro 5515	187.6	189.8	167.9	181.8
Dyna-Gro 5570	176.5	171.6	108.0	152.0
Dyna-Gro X15560 Bt	156.1	158.3	126.6	147.0
FFR 726	171.6	176.6	190.9	179.7
FFR 736 Bt	170.1	218.2	160.8	183.0
Garst 8363 Bt	149.3	161.0	147.3	152.5
Garst 8366 Bt	166.5	170.3	137.0	157.9
Garst/AgriPro 8222 IT	186.2	162.4	140.8	163.1
Garst/AgriPro AP 9707	185.5	172.6	160.6	172.9
Golden Acres 2888 IMI	187.8	173.2	150.6	170.5
Golden Acres 7770	168.5	185.1	153.4	169.0
Golden Acres 8112	183.6	202.6	114.9	167.0
Golden Acres 8460	189.4	162.3	140.4	164.0
Pioneer 31G98	202.2	198.8	173.4	191.5
Pioneer 3223	200.2	194.6	178.6	191.1
Pioneer 3245	193.5	205.3	149.2	182.7
Pioneer 32P76	200.4	229.9	159.6	196.6
Pioneer 33R77	203.9	216.3	160.7	193.6
Pioneer 33R88	213.3	184.0	139.3	178.9
Pioneer 34B24	184.6	181.1	125.2	163.6
Southern States SS 702	175.7	183.8	148.4	169.3
Southern States SS 736 Bt	163.1	189.8	151.5	168.1
Southern States SS747	172.6	178.1	142.8	164.5
Syngenta N63-G7	171.4	170.2	128.8	156.8
Syngenta N67-T4 Bt	157.6	194.8	152.7	168.4
Terral TV2128 RR	171.6	164.3	104.1	146.7
Terral TV2130	200.0	163.0	135.8	166.3
Terral TV2140	203.9	206.6	138.1	182.9
Terral TV2140 RR	187.9	167.9	166.5	174.1
Terral TV2155 Bt	202.0	197.4	134.0	177.8
Terral TV2160 Bt	190.3	194.7	161.6	182.2
Terral TVX21R500	164.7	153.4	110.5	142.9
Terral TVX26R101 YG	164.4	170.8	114.3	149.8
Triumph 1416	182.3	184.4	159.7	175.5
Grand mean	181.2	183.3	144.3	169.6
LSD (5%)	21.3	27.9	27.9	.
C.V. (%)	8.3	10.8	13.7	.

Table 6. Yields of Corn Hybrids in Arkansas Performance Tests, 2001[1,2], Continued.

Brand/Hybrid	Keiser Irr.	Marianna Irr.	Williams Farm	Avg.
Mid- to Full-Season Hybrids				
ASGROW RX828YG	195.2	193.1	138.2	175.5
Croplan Genetics 1167 CL	175.7	149.2	118.0	147.6
Croplan Genetics 1167RR	201.5	166.9	134.4	167.6
Croplan Genetics 733 Bt	162.4	175.4	102.9	146.9
Croplan Genetics 818	218.0	159.6	130.5	169.4
DEKALB DK697	219.7	216.7	121.8	186.1
DEKALB DKC65-25	203.9	188.9	147.9	180.2
DEKALB DKC68-70	218.3	167.2	129.9	171.8
DEKALB DKC69-70	227.2	178.9	139.5	181.9
Dyna-Gro 5518	208.2	176.5	150.5	178.4
Garst/AgriPro 8288	180.3	168.4	137.4	162.0
Pioneer 31B13	212.4	216.5	147.0	192.0
Pioneer 31R88	214.6	165.1	157.7	179.1
Syngenta N83-N5	188.6	184.4	130.8	167.9
Triumph 1866 Bt	185.1	189.8	134.4	169.8
Grand mean	200.7	179.8	134.7	171.7
LSD (5%)	23.4	27.7	34.5	.
C.V. (%)	8.2	10.7	18.0	.

[1] Keiser = Northeast Research and Extension Center
Marianna = Cotton Branch Station
Williams = John Williams Farm, Lafayette County

[2] Corn performance tests were planted at the Southeast Research and Extension Center - Rohwer Division and at the Bell Farming Company near Des Arc. A severe hail storm on May 27 caused extensive damage to the tests at Rohwer and they were subsequently abandoned. Adequate stands were not achieved at the Bell Farming Company tests and they also were abandoned.

Table 7. Performance of Irrigated Corn Hybrids, Keiser, AR, 2001.

Brand/Hybrid	Yield bu/A	2-Year[1] Avg. bu/A	3-Year[1] Avg. bu/A	Grain Moist %	Root Lodg.	Stalk Lodg.	Plants/ Acre	Ear Ht. in.
Early- to Mid-Season Hybrids								
Pioneer 33R88	213.3	.	.	16.0	0.0	0.0	31687	39
Terral TV2140	203.9	178.3	164.0	16.3	0.0	0.0	29915	44
Pioneer 33R77	203.9	.	.	17.5	0.0	0.0	31739	42
Pioneer 31G98	202.2	.	.	17.1	0.0	0.0	29081	47
Terral TV2155 Bt	202.0	.	.	17.1	0.0	0.0	29863	49
Pioneer 32P76	200.4	.	.	18.1	0.0	0.0	29341	40
Pioneer 3223	200.2	164.8	152.1	17.4	0.0	1.8	30418	42
Terral TV2130	200.0	176.4	159.9	16.6	0.0	0.0	30176	47
Pioneer 3245	193.5	166.1	154.9	16.7	0.0	2.3	30540	40
Terral TV2160 Bt	190.3	182.8	.	17.1	0.0	0.0	30279	46
Golden Acres 8460	189.4	164.6	154.0	19.2	0.0	0.0	27309	45
Terral TV2140 RR	187.9	.	.	16.6	0.0	0.0	28977	50
Golden Acres 2888 IMI	187.8	157.9	147.4	17.4	0.0	1.5	29654	47
Dyna-Gro 5515	187.6	.	.	16.1	0.0	2.3	31843	45
Garst/AgriPro 8222 IT	186.2	163.3	.	18.3	0.0	0.0	28977	47
Garst/AgriPro AP 9707	185.5	162.1	149.3	16.3	0.0	0.0	30227	46
Pioneer 34B24	184.6	.	.	15.2	0.0	0.0	32468	40
Golden Acres 8112	183.6	.	.	16.1	0.0	0.0	29237	44
Triumph 1416	182.3	.	.	17.4	0.0	0.0	28507	42
DEKALB DK647 BTY	182.1	.	.	16.7	0.0	0.0	32573	45
Dyna-Gro 5570	176.5	.	.	16.9	0.0	0.0	27413	46
Southern States SS 702	175.7	.	.	17.4	0.0	0.0	29081	42
Croplan Genetics 743	175.1	.	.	17.0	0.0	0.0	32469	45
Southern States SS747	172.6	.	.	16.8	0.0	0.0	29498	45
Terral TV2128 RR	171.6	.	.	15.5	0.0	2.3	31895	39
FFR 726	171.6	141.1	128.1	15.9	0.0	0.0	34084	47
Syngenta N63-G7	171.4	154.9	141.9	14.6	0.0	0.0	30540	46
FFR 736 Bt	170.1	.	.	16.9	0.0	0.0	32520	44
Golden Acres 7770	168.5	.	.	16.3	0.0	0.0	29706	43
Garst 8366 Bt	166.5	.	.	16.8	0.0	0.0	27934	43
Terral TVX21R500	164.7	.	.	17.1	0.0	0.0	29341	50
Terral TVX26R101 YG	164.4	.	.	17.4	0.0	0.0	28403	43
Southern States SS 736Bt	163.1	.	.	16.4	0.0	0.0	28507	43
Croplan Genetics 744 Bt	161.1	.	.	17.4	0.0	0.0	31270	42
Syngenta N67-T4 Bt	157.6	.	.	17.0	0.0	0.0	30384	39
Dyna-Gro X15560 Bt	156.1	.	.	15.4	0.0	0.0	31009	42
Garst 8363 Bt	149.3	.	.	16.8	0.0	0.0	27986	44
Grand mean	181.2	.	.	16.8	0.0	0.3	30131	44
LSD (5%)	21.3	.	.	0.8	ns	.	2138	.
C.V. (%)	8.3	.	.	3.2	.	.	5	.

Table 7. Performance of Irrigated Corn Hybrids, Keiser, AR, 2001, Continued.

Brand/Hybrid	Yield bu/A	2-Year[1] Avg. bu/A	3-Year[1] Avg. bu/A	Grain Moist %	Root Lodg.	Stalk Lodg.	Plants/ Acre	Ear Ht. in.
Mid- to Full Season Hybrids								
DEKALB DKC69-70	227.2	.	.	20.3	0.0	0.0	31686	47
DEKALB DK697	219.7	195.5	.	18.2	0.0	0.0	32155	46
DEKALB DKC68-70	218.3	.	.	18.4	0.0	0.0	30853	48
Croplan Genetics 818	218.0	.	.	18.0	0.0	0.0	31895	45
Pioneer 31R88	214.6	.	.	18.6	0.0	0.0	30331	45
Pioneer 31B13	212.4	195.0	.	17.5	0.0	0.0	30019	46
Dyna-Gro 5518	208.2	.	.	16.5	0.0	0.0	31895	45
DEKALB DKC65-25	203.9	.	.	17.2	0.0	0.0	33146	45
Croplan Genetics 1167RR	201.5	158.0	.	17.8	0.0	0.0	32729	47
ASGROW RX828YG	195.2	.	.	17.0	0.0	0.0	32051	43
Syngenta N83-N5	188.6	166.0	.	17.6	0.0	0.0	31113	46
Triumph 1866 Bt	185.1	175.7	155.9	17.6	0.0	0.0	28089	45
Garst/AgriPro 8288	180.3	.	.	17.7	0.0	0.0	29863	43
Croplan Genetics 1167 CL	175.7	.	.	17.4	0.0	0.0	27909	45
Croplan Genetics 733 Bt	162.4	.	.	18.2	0.0	0.0	31322	36
Grand mean	200.7	.	.	17.9	0.0	0.0	31004	45
LSD (5%)	23.4	.	.	0.6	ns	ns	2233	.
C.V. (%)	8.2	.	.	2.6	.	.	5	.

[1]Two and Three-year averages from 1998, 1999, and 2001 (no data reported for 2000).

Soil Series..... Sharkey silty clay
Previous Crop..... Soybean
Row Width..... 38 inches
Pre-emerge Herbicide..... 1 qt./A Frontier + 1 qt./ A Atrizine, 4-12-01
Planting Date..... 4-11-01
Irrigation Dates..... 6-26-01, 7-05-01, 7-13-01, 7-20-01, 7-27-01, 8-09-01
Preplant Fertilizer..... 192 lbs./A 0-26-26, 10-23-00, 50 lbs./A N,P,K + 50 lbs./A Urea, 4-10-01
Sidedress Fertilizer..... 100 lbs./A 32% N, 5-11-01, 100 lbs./A 32% N, 5-29-01
Postemergence Herbicide..... 1qt./A Atrizine + 0.75 qt./A Basagran, 5-17-01
Insecticide Application..... None
Harvest Date..... 9-05-01

Precipitation (inches)

	April	May	June	July	August	Total
2001	1.1	4.9	2.3	1.6	0.7	10.6
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-3.8	-0.3	-1.7	-2.1	-2.1	-10.0

Table 8. Performance of Irrigated Corn Hybrids, Marianna, AR, 2001.

Brand/Hybrid	Yield bu/A	2-Year Avg. bu/A	3-Year Avg. bu/A	Grain Moist %	Root Lodg.	Stalk Lodg.	Plants/ Acre	Ear Ht. in.
Early- to Mid-Season Hybrids								
Pioneer 32P76	229.9	210.1	.	18.5	0.0	0.0	33540	40
FFR 736 Bt	218.2	.	.	17.7	0.0	0.0	34040	36
Pioneer 33R77	216.2	.	.	15.3	0.3	0.5	35690	41
Terral TV2140	206.5	181.6	180.4	16.7	0.0	0.3	31648	41
Pioneer 3245	205.2	177.0	175.5	17.6	0.3	1.5	34830	35
DEKALB DK647 BTY	204.5	192.0	.	17.3	0.0	0.0	35531	38
Golden Acres 8112	202.5	.	.	17.7	0.0	0.1	32119	39
Pioneer 31G98	198.8	193.1	.	17.2	0.0	0.0	31820	41
Terral TV2155 Bt	197.4	.	.	18.2	0.0	0.1	34527	41
Syngenta N67-T4 Bt	194.8	.	.	16.9	0.0	0.0	33626	31
Terral TV2160 Bt	194.7	192.8	192.0	17.7	0.0	0.0	30100	40
Pioneer 3223	194.5	177.0	179.5	16.4	0.0	0.4	32693	38
Southern States SS 736Bt	189.7	.	.	17.5	0.0	0.0	30186	32
Dyna-Gro 5515	189.7	.	.	15.9	0.0	0.0	35244	31
Croplan Genetics 743	188.9	.	.	16.1	0.0	0.0	34486	38
Golden Acres 7770	185.1	.	.	16.7	0.0	0.8	32680	37
Triumph 1416	184.4	.	.	18.0	0.0	0.3	31648	33
Pioneer 33R88	184.0	.	.	18.1	0.0	0.0	31218	32
Southern States SS 702	183.7	.	.	14.7	0.0	1.8	32766	35
Pioneer 34B24	181.0	.	.	17.9	0.0	0.0	31690	26
Southern States SS747	178.1	169.5	.	15.6	0.0	0.5	30874	36
FFR 726	176.5	.	.	16.0	0.0	1.1	35559	38
Golden Acres 2888 IMI	173.2	169.6	169.7	17.9	0.0	0.8	33196	43
Garst/AgriPro AP 9707	172.6	166.9	170.4	16.8	0.0	0.3	30272	34
Dyna-Gro 5570	171.6	.	.	19.2	0.0	0.5	33368	38
Terral TVX26R101 YG	170.8	.	.	19.0	0.0	0.3	32034	41
Garst 8366 Bt	170.3	.	.	17.8	0.0	0.0	32031	27
Syngenta N63-G7	170.2	170.7	172.7	13.2	0.0	0.3	33123	34
Terral TV2140 RR	167.8	167.1	.	17.8	0.0	0.0	30199	41
Terral TV2128 RR	164.2	155.7	.	16.1	0.0	0.4	34069	35
Terral TV2130	162.9	174.7	173.8	17.6	0.0	0.3	35002	41
Garst/AgriPro 8222 IT	162.4	161.2	169.6	18.6	0.0	2.0	29626	43
Golden Acres 8460	162.2	165.5	167.4	19.5	0.0	0.3	29154	40
Garst 8363 Bt	161.0	.	.	19.4	0.0	0.1	30514	34
Dyna-Gro X15560 Bt	158.2	.	.	15.8	0.0	0.6	30142	32
Croplan Genetics 744 Bt	155.8	.	.	18.1	0.0	0.0	33008	33
Terral TVX21R500	153.4	.	.	17.9	0.0	0.5	31562	40
Grand mean	183.3	.	.	17.3	0.0	0.4	32536	37
LSD (5%)	27.9	.	.	2.5	0.2	1.0	2454	.
C.V. (%)	10.8	.	.	10.3	.	.	5	.

Table 8. Performance of Irrigated Corn Hybrids, Marianna, AR, 2001, Continued.

Brand/Hybrid	Yield bu/A	2-Year Avg. bu/A	3-Year Avg. bu/A	Grain Moist %	Root Lodg.	Stalk Lodg.	Plants/ Acre	Ear Ht. in.
Mid- to Full Season Hybrids								
DEKALB DK697	216.7	.	.	18.3	0.0	0.0	35653	40
Pioneer 31B13	216.4	210.7	204.9	14.4	0.0	0.0	33474	41
ASGROW RX828YG	193.1	.	.	18.5	0.0	0.0	34658	32
Triumph 1866 Bt	189.8	200.1	190.5	20.7	0.0	0.0	30358	39
DEKALB DKC65-25	188.9	174.5	.	15.3	0.0	1.3	34277	34
Syngenta N83-N5	184.3	176.4	174.7	17.6	0.0	0.5	31476	37
DEKALB DKC69-70	178.9	.	.	20.5	0.0	0.3	34314	41
Dyna-Gro 5518	176.5	.	.	17.1	0.0	0.0	29842	39
Croplan Genetics 733 Bt	175.3	.	.	17.6	0.0	0.5	32422	28
Garst/AgriPro 8288	168.4	.	.	18.4	0.0	0.6	25218	32
DEKALB DKC68-70	167.2	.	.	19.3	0.0	0.0	33245	40
Croplan Genetics 1167RR	166.8	.	.	17.7	0.0	0.3	33970	40
Pioneer 31R88	165.0	.	.	19.1	0.0	0.0	27778	38
Croplan Genetics 818	159.6	172.6	.	19.9	0.0	0.8	32594	29
Croplan Genetics 1167 CL	149.2	165.2	.	19.4	0.0	0.3	27168	32
Grand mean	179.7	.	.	18.3	0.0	0.3	31763	36
LSD (5%)	27.7	.	.	3.0	ns	0.7	4146	.
C.V. (%)	10.7	.	.	11.5	.	.	9	.

Soil Series..... Calloway silt loam
Previous Crop..... Soybean
Row Width..... 38 inches
Preplant Fertilizer..... 100 lbs./A 0-0-60, 100 lbs./A Zinc sulphate 31%, 3-19-01
Planting Date..... 4-05-01
Irrigation Dates..... 6-27-01, 7-06-01, 7-11-01, 7-19-01, 7-23-01
Sidedress Fertilizer..... 140 lbs./A N 32% solution, 5-05-01, 230 lbs./A 46-0-0, 6-05-01
Postemergence Herbicide..... 3 pts./A Bicep II, 4-09-01
Insecticide Application..... None
Harvest Date..... 8-27-01

Precipitation (inches)

	April	May	June	July	August	Total
2001	4.0	4.0	3.5	2.2	0.7	14.4
Average	5.4	5.2	3.4	4.0	2.8	20.8
Departure	-1.4	-1.2	0.1	-1.8	-2.1	-6.4

Table 9. Performance of Corn Hybrids, Williams Farm, Lafayette Co., AR, 2001.

Brand/Hybrid	Yield bu/A	2-Year Avg. bu/A	3-Year Avg. bu/A	Grain Moist %	Stalk Lodg.	Plants/ Acre	Ear Ht. in.	Test Wt. lbs.
Early- to Mid- Season Hybrids								
FFR 726	190.9	158.2	142.5	12.6	1.0	29431	34	56.2
Pioneer 3223	178.6	191.4	178.8	13.6	0.0	21391	38	57.8
Pioneer 31G98	173.4	.	.	12.3	0.3	23024	44	57.4
Dyna-Gro 5515	167.9	.	.	12.8	0.5	23102	36	55.6
Terral TV2140 RR	166.5	.	.	13.0	0.3	20846	38	55.4
Terral TV2160 Bt	161.6	183.4	.	14.3	0.3	22091	38	57.6
FFR 736 Bt	160.8	.	.	12.3	1.0	18658	32	55.6
Pioneer 33R77	160.7	.	.	13.2	0.3	19679	40	55.4
Garst/AgriPro AP 9707	160.6	185.1	171.5	12.4	1.3	20447	36	55.5
Triumph 1416	159.7	.	.	12.1	0.5	25358	30	55.5
Pioneer 32P76	159.6	.	.	13.1	0.8	20846	35	56.1
Croplan Genetics 744 Bt	158.7	.	.	13.2	0.5	19835	33	58.0
Golden Acres 7770	153.4	.	.	12.4	0.0	19913	34	57.3
Syngenta N67-T4 Bt	152.7	.	.	11.9	0.0	23024	32	56.0
Southern States SS 736Bt	151.5	.	.	12.4	0.8	20769	30	55.7
Golden Acres 2888 IMI	150.6	177.9	170.3	14.4	0.0	20146	40	57.5
Pioneer 3245	149.2	165.8	159.5	13.0	0.5	19835	32	58.5
Southern States SS 702	148.4	.	.	11.4	0.0	18513	32	53.5
Garst 8363 Bt	147.3	.	.	13.5	0.0	20458	34	57.6
Southern States SS747	142.8	.	.	13.3	0.0	20069	33	56.5
Garst/AgriPro 8222 IT	140.8	173.2	.	16.4	0.5	19991	34	57.5
Golden Acres 8460	140.4	174.0	169.4	14.3	0.3	17502	40	55.4
Pioneer 33R88	139.3	.	.	13.3	0.3	21624	34	58.6
Terral TV2140	138.1	182.1	173.8	12.9	0.0	15946	36	55.5
Garst 8366 Bt	137.0	.	.	12.7	0.3	18668	36	54.6
Terral TV2130	135.8	172.0	162.8	13.0	0.3	18669	36	55.8
Terral TV2155 Bt	134.0	.	.	14.3	0.5	17190	38	58.6
DEKALB DK647 BTY	131.2	.	.	12.4	0.5	21002	30	55.5
Syngenta N63-G7	128.8	163.0	162.5	11.4	0.8	19446	38	55.0
Dyna-Gro X15560 Bt	126.6	.	.	11.7	0.3	19291	30	55.9
Pioneer 34B24	125.2	.	.	12.2	0.8	17657	34	57.3
Golden Acres 8112	114.9	.	.	13.5	0.0	13612	40	56.4
Terral TVX26R101 YG	114.3	.	.	13.1	0.0	15168	30	55.5
Croplan Genetics 743	113.4	.	.	12.2	0.0	18202	33	54.3
Terral TVX21R500	110.5	.	.	13.4	0.3	15713	38	56.4
Dyna-Gro 5570	108.0	.	.	13.3	0.0	13535	34	55.7
Terral TV2128 RR	104.1	.	.	11.9	0.3	15090	30	55.2
Grand mean	144.3	.	.	13.0	0.4	19615	35	56.3
LSD (5%)	27.9	.	.	0.9	0.8	5002	.	.
C.V. (%)	13.7	.	.	4.9	.	18	.	.

Table 9. Performance of Corn Hybrids, Williams Farm, Lafayette Co., AR, 2001, Continued.

Brand/Hybrid	Yield bu/A	2-Year Avg. bu/A	3-Year Avg. bu/A	Grain Moist %	Stalk Lodg.	Plants/ Acre	Ear Ht. in.	Test Wt. lbs.
Mid- to Full-Season Hybrids								
Pioneer 31R88	157.7	.	.	14.3	0.5	27691	34	58.3
Dyna-Gro 5518	150.5	.	.	12.0	0.8	27069	38	55.2
DEKALB DKC65-25	147.9	.	.	11.9	1.5	26447	36	55.8
Pioneer 31B13	147.0	184.6	.	13.1	0.0	25047	46	58.0
DEKALB DKC69-70	139.5	.	.	14.5	0.8	22091	40	56.8
ASGROW RX828YG	138.2	.	.	13.8	0.3	26369	31	58.0
Garst/AgriPro 8288	137.4	.	.	15.2	0.5	24269	32	57.2
Triumph 1866 Bt	134.4	172.4	163.4	13.4	0.8	21313	36	57.6
Croplan Genetics 1167RR	134.4	.	.	12.2	1.0	25436	40	55.4
Syngenta N83-N5	130.8	168.8	.	13.5	1.5	22869	30	57.5
Croplan Genetics 818	130.5	.	.	12.2	0.3	21780	36	54.0
DEKALB DKC68-70	129.9	.	.	13.4	0.8	25747	36	57.3
DEKALB DK697	121.8	159.1	.	12.5	0.8	24347	33	56.4
Croplan Genetics 1167 CL	118.0	159.2	.	13.0	0.5	21391	34	55.8
Croplan Genetics 733 Bt	102.9	.	.	11.8	0.8	17891	32	55.4
Grand mean	134.7	.	.	13.1	0.7	23984	36	56.6
LSD (5%)	34.5	.	.	0.9	1.3	6675	.	.
C.V. (%)	18.0	.	.	4.9	.	20	.	.

Previous Crop..... Corn
Row Width..... 40 inches
Preplant Herbicide..... None
Preplant Fertilizer.....
Planting Date..... 3-22-01
Irrigation Dates..... None
Sidedress Fertilizer..... 57 gal./A 32%N, 4-21-01
Postemergence Herbicide..... 2 qts./A Guardsman, 4-24-01
Insecticide Application..... 6 oz./1000 rft IF CounterCR
Harvest Date..... 8-23-01

Participants and Entries
2001 Grain Sorghum Tests

Company	Hybrid
Croplan Genetics P.O. Box 146 Blytheville, AR 72315	Croplan Genetics 330 Croplan Genetics 506 Croplan Genetics 540
FFR Seed 969 Cloverleaf Dr. Southaven, MS 38671	FFR 322 FFR 320
Garst Seed Company 761 Walnut Knoll Lane Suite 200 Cordova, TN 38018	Garst 5515 Garst AP 2838
Golden Acres Genetics P. O. Box 579 Buchanan Dam, TX 78609	Golden Acres 444E Golden Acres 3694 Golden Acres 737 Golden Acres 837
Monsanto Company Route 2 Box 373 Bishop, TX 78343	ASGROW A571 ASGROW Missile Monsanto X901 DEKALB DKS 54-00 DEKALB DKS51-90 DEKALB DK53
Pioneer Hi-Bred International 6767 Old Madison Pike, Suite 110 Huntsville, AL 35806	Pioneer Brand 8282 Pioneer Brand 84G62 Pioneer Brand 83G66
Southern States Co-Op P. O. Box 26234 Richmond, VA 23260	Southern States SS-650 Southern States SS-800
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254	Terral TV1050 Terral TV9421 Terral TVX00981 Terral TVX00980 Terral TVX00972 Terral TVX99314 Terral TVX99317
Triumph Seed Co., Inc. P. O. Box 1050 Ralls, TX 79357	Triumph TR82-G
UAP Mid-South 57 Germantown Court, Suite 200 Cordova, TN 38018	Dyna-Gro 751B Dyna-Gro 780B

Participants and Entries
2001 Corn Tests

Company	Hybrid
Croplan Genetics P.O. Box 146 Blytheville, AR 72315	Croplan Genetics 818 Croplan Genetics 1167CL Croplan Genetics 744 Bt Croplan Genetics 733 Bt Croplan Genetics 1167 RR Croplan Genetics 743
FFR Seed 969 Cloverleaf Dr. Southaven, MS 38671	FFR 726 FFR 736 Bt
Garst Seed Company 761 Walnut Knoll Lane Memphis, TN 38018	Garst/AgriPro 9707 Garst/AgriPro 8222 IT Garst/AgriPro 8288 Garst 8363 Bt Garst 8366 Bt
Golden Acres Genetics P. O. Box 852350 Richardson, TX 75085	Golden Acres 2888 IMI Golden Acres 8460 Golden Acres 8112 Golden Acres 7770
Monsanto 3100 Sycamore Rd. DeKalb, IL 60115	ASGROW RX 828YG DEKALB DK 647Bty DEKALB DK 697 DEKALB DKC 68-70 DEKALB DKC 69-70 DEKALB DKC 65-25
Pioneer Hi-Bred International 6767 Old Madison Pike, Suite 110 Huntsville, AL 35806	Pioneer Brand 3223 Pioneer Brand 3245 Pioneer Brand 32P76 Pioneer Brand 31R88 Pioneer Brand 34B24 Pioneer Brand 33R88 Pioneer Brand 33R77 Pioneer Brand 31B13 Pioneer Brand 31G98
Southern States Co-Op P. O. Box 26234 Richmond, VA 23260	Southern States SS 736 Bt Southern States SS 747 Southern States SS 702
Syngenta Seed Inc. 859 N. Slemons Monticello, AR 71655	Syngenta N67-T4 Syngenta N63-G7 Syngenta N83-N5

Company	Hybrid
Terral Seed Inc. P. O. Box 826 Lake Providence, LA 71254	Terral TV2130 Terral TV2140 Terral TV2140RR Terral TV2128RR Terral TV2155Bt Terral TV2160Bt Terral TVX21R500 Terral TVX26R101YG
Triumph Seed Co., Inc. P. O. Box 1050 Ralls, TX 79357	Triumph 1416 Triumph 1866 Bt
UAP Mid-South 57 Germantown Court, Suite 200 Cordova, TN 38018	Dyna-Gro 5518 Dyna-Gro 5570 Dyna-Gro 5515 Dyna-Gro X15560Bt