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# Arkansas Corn and Grain Sorghum Performance Tests 2003

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### Recommended Citation

Dombek, D. G.; Ahrent, D. K.; Bond, R. D.; and Eldridge, I. L., "Arkansas Corn and Grain Sorghum Performance Tests 2003" (2003). *Research Series*. 117.

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ARKANSAS AGRICULTURAL EXPERIMENT STATION

Division of Agriculture

University of Arkansas

December 2003

Research Series 510

This publication is available on the Internet at [www.uark.edu/depts/agripub/publications](http://www.uark.edu/depts/agripub/publications)

Additional printed copies of this publication can be obtained free of charge from Communication Services, 110 Agriculture Building, University of Arkansas, Fayetteville, AR 72701.

Technical editing and cover design by Amalie Holland and Cam Romund.

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Arkansas Agricultural Experiment Station, University of Arkansas Division of Agriculture, Fayetteville. Milo J. Shult, Vice President for Agriculture; Gregory J. Weidemann, Dean, Dale Bumpers College of Agricultural, Food and Life Sciences and Associate Vice President for Agriculture–Research, University of Arkansas Division of Agriculture. SG929QX5. The University of Arkansas Division of Agriculture follows a nondiscriminatory policy in programs and employment.  
ISSN:1051-3140 CODEN:AKAMA6

# ARKANSAS CORN AND GRAIN SORGHUM PERFORMANCE TESTS

2003

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# ACKNOWLEDGMENTS

This research was funded in part by participating companies.  
The assistance of the following individuals in conducting these experiments is gratefully acknowledged:

**Department of Plant Pathology, University of Arkansas, Fayetteville**  
Dr. David TeBeest, Professor

**Northeast Research and Extension Center, Keiser**  
Dr. Fred Bourland, Center Director  
Mr. Mike Duren, Research Specialist

**Cotton Branch Station, Marianna**  
Mr. Claude Kennedy, Resident Director  
Mr. Dale Yadon, Research Specialist

**Pine Tree Branch Station, Pine Tree**  
Mr. Roger Eason, Resident Director  
Mr. Shawn Clark, Research Specialist

**Rice Research and Extension Center, Stuttgart**  
Dr. Chris Deren, Center Director  
Mr. Jamie Branson, Research Specialist

**Southeast Research and Extension Center, Monticello**  
Dr. Edwin A. Colburn, Center Director  
Mr. Larry Earnest, Superintendent, Rohwer Division  
Mr. Randy Cingolani, Research Specialist, Rohwer Division

**Southwest Research and Extension Center, Hope**  
Dr. Mike Phillips, Center Director  
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**Vegetable Substation, Kibler**  
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Special thanks to Mr. Davis Bell and to Mr. John Williams for allowing us to conduct corn performance tests on their farms

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# ARKANSAS CORN AND GRAIN SORGHUM PERFORMANCE TESTS<sup>4</sup> 2003

D.G. Dombek, D.K. Ahrent, R.D. Bond, and I.L. Eldridge

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## INTRODUCTION

Corn and grain sorghum performance tests are conducted each year in Arkansas by the University of Arkansas Division of Agriculture. The tests provide information to companies marketing seed within the state, and aid the Arkansas Cooperative Extension Service in formulating recommendations for producers.

The 2003 corn performance tests contained 93 entries and were conducted at the Northeast Research and Extension Center (NEREC) at Keiser, the Cotton Branch Station (CBS) near Marianna, the Bell Farming Company (BFC) near Des Arc, the Southeast Research and Extension Center - Rohwer Division (SEREC-RD) near Rohwer, and the John Williams Farm (JWF) in Lafayette county. The 2003 grain sorghum performance tests contained 42 entries and were conducted at the NEREC near Keiser, the CBS near Marianna, the Pine Tree Experiment Station (PTS) near Pine Tree, the SEREC-RD near Rohwer, the Rice Research and Extension Center (RREC) near Stuttgart, and the Vegetable Substation (VSS) near Kibler. Test location maps for grain sorghum and corn can be found inside the back cover.

## MATERIALS AND METHODS

Corn hybrids were divided into two broad maturity groups. Based on information provided by the originating companies, entries were placed into an early- to mid-season group or a mid- to full-season group.

Within each test, entries were arranged as a randomized complete block design with four replications. Plots were two or three rows wide and end-trimmed to a uniform length of 20-25 feet depending on location. Seeding rates for each corn and grain sorghum hybrid were based on the recommendations of the originating company.

All plots were harvested with a plot combine. Specific location and management practice information accompanies each table.

## GRAIN SORGHUM PERFORMANCE MEASUREMENTS

Yield: Yields were calculated from the weight of threshed grain from each plot and are expressed as pounds per acre (lbs./A) at 14% moisture.

Grain Moisture: Expressed as a percent moisture of grain at harvest.

Plant Height: Average height in inches from the soil surface to the top of the grain head.

Head Exertion: Average distance in inches from the flag leaf to base of panicle.

Head Compactness Scale:

1 = Head short and oval. Rachis branches intermediate in length.

2 = Head long and slender. Rachis branches strong and short.

3 = Head elongated and oval. Rachis branches beginning to weaken and intermediate in length.

4 = Head elongated and rectangular in shape. Rachis branches intermediate in strength and length.

5 = Head open and elongated. Rachis branches weak.

Test Weight: Test weights, where reported, are expressed in pounds per bushel (lbs./bu), and were determined using subsamples from each plot.

Bird Damage: A visual estimate of total percent grain loss from each plot.

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<sup>4</sup>Use of products and trade names in this report does not constitute a guarantee or warranty of the products named and does not signify that those products are approved to the exclusion of comparable products.

## CORN PERFORMANCE MEASUREMENTS

Yield: Yields were calculated from the weight of shelled corn harvested from each plot and are expressed as bushels per acre (bu/A) at 15.5% moisture.

Grain Moisture: Expressed as a percent moisture of shelled grain at harvest.

Root Lodging: Plants leaning more than 40 degrees from vertical at harvest were classed as root lodged.

Stalk Lodging: Plants broken below an ear were classed as stalk lodged.

Plants/Acre: The plant population count, expressed in the number of plants per acre.

Ear Height: The average distance in inches from the soil surface to the point of attachment of the upper ear.

Test Weight: Test weights, expressed in pounds per bushel (lbs./bu), were determined using subsamples from each plot.

Tip Cover: Tip cover was rated as good (1), average (2), or poor (3). A rating of good was given when the husks reached well beyond the end of the ear and fitted tightly. A rating of average was given when the husks reached the tip of the ear or fitted loosely. A rating of poor was given when the ears were open to the weather.

**Table 1. Yields of Grain Sorghum Hybrids in Arkansas Performance Tests, 2003<sup>1,2,3</sup>.**

Brand/Hybrid	Keiser <sup>4</sup>	Keiser	Stuttgart	Rohwer	Rohwer	Kibler	Avg.
	Irr.	Nonirr.	Irr.	Irr.	Nonirr.	Irr.	
----- lbs./A -----							
ASGROW A571	5386	6761	7636	7241	7522	5184	6622
Croplan Genetics 514	5330	6675	8457	7607	6858	5310	6706
DEKALB DKS53-11	5303	6224	7856	7423	7788	5519	6686
DEKALB DKS54-00	4531	6397	7260	6636	6466	4563	5976
Dyna Gro 732B	2660	4599	5082	5350	6789	5363	4974
Dyna Gro 751B	5346	6912	8485	7116	6702	5258	6637
Dyna Gro 762B	4157	6703	7028	7447	7301	4637	6212
Dyna Gro 780B	5220	6741	7994	6981	6527	5146	6435
Dyna Gro X1738	4144	5857	6024	6070	7008	4856	5660
Dyna Gro X1754	4464	6888	7367	7449	7599	5928	6616
Dyna Gro X17F90	3976	6443	6803	6257	6521	4644	5774
FFR 318	4439	6220	7464	7502	7252	5722	6433
FFR 322	5189	6809	8226	7488	7578	5215	6751
Garst 5440	4743	6212	6968	6962	6876	5630	6232
Garst 5515	4205	6453	7049	6156	6387	5292	5924
Garst 5624	3523	4831	6013	5554	6152	4917	5165
Golden Acres 3694	4575	7358	7399	6692	7279	5274	6430
Golden Acres 444E	5029	6247	7034	6782	6143	5505	6123
Golden Acres X-2027	4446	6786	7774	7251	7538	5343	6523
Golden Harvest H-502	5419	7060	7993	7556	7149	5323	6750
Golden Harvest H-512	4722	5949	7295	6602	6861	5042	6079
Monsanto X204	4267	5562	7289	7216	6917	5500	6125
Monsanto X234	4408	6614	7408	6870	6762	5532	6266
Pioneer Brand 83G15	4767	7150	7857	7913	7999	5080	6794
Pioneer Brand 83G66	5383	6672	7982	8025	7937	5581	6930
Pioneer Brand 84G62	5078	7048	8125	7803	8042	5338	6906
Southern States SS-650	5530	6525	7988	7507	6476	5578	6601
Southern States SS-800	4664	5884	6928	6856	6985	5306	6104
Terral TV1050	4850	6742	7317	6858	7070	5094	6322
Terral TV93S72	4754	6121	6786	6543	7022	5165	6065
Terral TV9421	5356	6454	6739	7213	7289	5667	6453
Terral TV96H81	4735	6734	7944	7463	6894	5145	6486
Terral TV97H17	4204	7158	7993	6818	6541	5435	6358
Terral TVX93S16	5222	7069	7390	7161	6339	5584	6461
Terral TVX94S34	5026	5844	6751	6701	6582	5008	5985
Terral TVX95S201	4529	6313	6674	6212	6604	4829	5860
Terral TVX95S25	4558	6213	7165	7090	7540	5159	6288

**Table 1. Yields of Grain Sorghum Hybrids in Arkansas Performance Tests, 2003<sup>1,2,3</sup>, Continued.**

Brand/Hybrid	Keiser <sup>4</sup>	Keiser	Stuttgart	Rohwer	Rohwer	Kibler	Avg.
	Irr.	Nonirr.	Irr.	Irr.	Nonirr.	Irr.	
	-----lbs./A-----						
Terral TVX96H202	4774	6504	6521	6291	6473	5414	5996
Terral TVX96H23	4912	6521	7625	7020	6463	4504	6174
Triumph TR459	4577	5789	6055	5140	6128	5208	5483
Triumph TR461	4308	6183	6275	7141	6680	5301	5981
Triumph TR82-G	5788	6611	7773	7094	6636	4719	6437
Grand mean	4726	6425	7281	6930	6945	5234	6257
LSD (5%)	972	917	696	755	845	752	.
C.V. (%)	12.7	10.3	6.9	7.9	8.8	10.4	.

<sup>1</sup> Keiser Irr. = Northeast Research and Extension Center.

Keiser Nonirr. = Northeast Research and Extension Center.

Stuttgart Irr. = Rice Research and Extension Center.

Rohwer Irr. = Southeast Research and Extension Center - Rohwer Division.

Rohwer Nonirr. = Southeast Research and Extension Center - Rohwer Division.

Kibler Irr. = Vegetable Substation.

<sup>2</sup> High wind prior to harvest caused extensive lodging at Marianna. The test was harvested, but the results will not be reported.

<sup>3</sup> There was extensive bird and midge damage in the Pine Tree test. Results will not be reported.

<sup>4</sup> Bird damage in this test was greater than the bird damage in the nonirrigated test at this location.

**Table 2. Performance of Irrigated Grain Sorghum Hybrids, Keiser, AR, 2003.**

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.	Bird Dam. %
Triumph TR82-G	5788	6019	6720	17.2	57	8	1	25.0
Southern States SS-650	5530	6109	6571	16.8	56	9	2	33.3
Golden Harvest H-502	5419	.	.	17.2	59	9	1	31.7
ASGROW A571	5386	5758	6374	16.8	55	12	2	30.0
Pioneer Brand 83G66	5383	6088	6561	17.3	56	9	4	30.0
Terral TV9421	5356	6045	6598	16.8	51	14	4	30.0
Dyna Gro 751B	5346	6053	6542	16.5	54	9	1	36.7
Croplan Genetics 514	5330	6043	.	16.7	56	9	1	30.0
DEKALB DKS53-11	5303	.	.	18.3	56	8	2	20.0
Terral TVX93S16	5222	.	.	16.9	58	12	5	16.7
Dyna Gro 780B	5220	6136	6700	16.7	57	9	1	25.0
FFR 322	5189	5998	6558	17.2	56	7	2	28.3
Pioneer Brand 84G62	5078	5963	6769	19.4	53	8	3	13.3
Golden Acres 444E	5029	5882	6506	17.4	50	15	3	30.0
Terral TVX94S34	5026	.	.	15.7	55	15	4	26.7
Terral TVX96H23	4912	.	.	16.2	58	8	1	21.7
Terral TV1050	4850	5842	6479	15.5	54	12	2	30.0
Terral TVX96H202	4774	5336	.	16.0	49	13	3	16.7
Pioneer Brand 83G15	4767	.	.	19.4	51	8	4	15.0
Terral TV93S72	4754	5373	6116	16.5	57	15	3	33.3
Garst 5440	4743	5429	.	16.4	54	10	4	35.0
Terral TV96H81	4735	5325	6220	16.4	55	6	2	28.3
Golden Harvest H-512	4722	.	.	16.4	55	10	4	35.0
Southern States SS-800	4664	5358	6032	16.0	51	13	2	33.3
Triumph TR459	4577	.	.	20.6	50	14	3	11.7
Golden Acres 3694	4575	5444	6102	16.4	52	13	3	23.3
Terral TVX95S25	4558	.	.	16.0	60	12	3	45.0
DEKALB DKS54-00	4531	5118	5825	17.4	59	12	4	18.3
Terral TVX95S201	4529	5375	.	14.5	51	14	5	28.3
Dyna Gro X1754	4464	.	.	16.5	52	11	4	31.7
Golden Acres X-2027	4446	.	.	16.2	55	10	3	11.7
FFR 318	4439	5429	.	16.7	57	12	3	36.7
Monsanto X234	4408	.	.	16.9	53	12	2	31.7
Triumph TR461	4308	5482	.	15.6	54	9	3	31.7
Monsanto X204	4267	.	.	17.0	54	11	2	26.7
Garst 5515	4205	4951	5687	15.4	51	11	3	35.0
Terral TV97H17	4204	.	.	17.3	58	11	2	18.3

**Table 2. Performance of Irrigated Grain Sorghum Hybrids, Keiser, AR, 2003, Continued.**

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.	Bird Dam. %
Dyna Gro 762B	4157	5175	.	16.2	57	10	2	25.0
Dyna Gro X1738	4144	.	.	16.8	57	13	2	36.7
Dyna Gro X17F90	3976	.	.	18.5	60	9	2	3.3
Garst 5624	3523	.	.	13.7	48	10	4	31.7
Dyna Gro 732B	2660	4046	.	15.4	51	14	1	63.3
Grand mean	4726	.	.	16.7	55	11	3	27.7
LSD (5%)	972	.	.	1.2	.	.	.	13.1
C.V. (%)	13	.	.	4.4	.	.	.	29.2

Soil Series.....Sharkey clay  
 Previous Crop.....Soybean  
 Row Width.....38 inches  
 Preplant Herbicide.....None  
 Preplant Fertilizer.....50 lbs./A N,P,K , 3-17-03  
 Planting Date.....4-15-03  
 Irrigation Dates.....6-10, 6-24, 7-03, 7-10, 7-17  
 Sidedress Fertilizer.....50 lbs./A N, 5-12-03, 50 lbs./A N, 6-05-03  
 Postemergence Herbicide.....2 qts./A Lasso + 1.6 qts./A Atrazine, 4-17-03, 1 pt./A Atrazine + 1.5 pts./A  
 Buctril, 5-14-03  
 Insecticide Application.....None  
 Harvest Date.....Early- to mid-season hybrids: 8-19-03  
 Mid- to full-season: 8-19-03

Precipitation (inches)

	April	May	June	July	August	Total
2003	2.2	11.4	3.3	5.8	0.7	23.4
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-2.7	+6.2	-0.7	+2.1	-2.1	+2.8

**Table 3. Performance of Nonirrigated Grain Sorghum Hybrids, Keiser, AR, 2003.**

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.	Bird Dam. %
Golden Acres 3694	7358	6477	6782	16.4	53	9	2	15.0
Terral TV97H17	7158	.	.	17.6	62	8	2	6.3
Pioneer Brand 83G15	7150	.	.	18.6	51	2	4	8.8
Terral TVX93S16	7069	.	.	17.2	55	10	3	6.3
Golden Harvest H-502	7060	.	.	17.6	55	4	1	13.8
Pioneer Brand 84G62	7048	6758	7276	19.1	49	5	4	6.3
Dyna Gro 751B	6912	5543	6155	16.6	57	7	2	17.5
Dyna Gro X1754	6888	.	.	17.3	55	9	4	7.5
FFR 322	6809	5778	6379	17.3	55	7	1	21.3
Golden Acres X-2027	6786	.	.	17.1	52	6	3	5.0
ASGROW A571	6761	6051	6353	17.0	55	8	3	13.8
Terral TV1050	6742	5216	5953	17.0	54	7	1	5.0
Dyna Gro 780B	6741	5171	5799	16.8	57	6	1	15.0
Terral TV96H81	6734	5741	6311	17.5	54	7	1	16.3
Dyna Gro 762B	6703	5929	.	16.0	54	7	2	12.5
Croplan Genetics 514	6675	5654	.	17.6	57	7	2	22.0
Pioneer Brand 83G66	6672	6223	6458	17.4	55	9	2	13.8
Monsanto X234	6614	.	.	17.9	54	8	2	8.8
Triumph TR82-G	6611	5256	6007	17.5	58	9	1	12.5
Southern States SS-650	6525	5417	5937	17.0	56	6	2	27.5
Terral TVX96H23	6521	.	.	16.4	59	5	2	17.5
Terral TVX96H202	6504	5623	.	16.4	52	10	3	8.8
Terral TV9421	6454	5700	6283	16.9	53	13	4	6.3
Garst 5515	6453	5581	6070	15.5	55	14	4	12.5
Dyna Gro X17F90	6443	.	.	18.7	57	5	2	3.8
DEKALB DKS54-00	6397	6073	6461	19.5	55	8	3	6.3
Terral TVX95S201	6313	5397	.	15.2	52	8	2	16.3
Golden Acres 444E	6247	5791	6328	16.8	50	10	4	12.5
DEKALB DKS53-11	6224	.	.	20.2	54	4	1	7.5
FFR 318	6220	5764	.	16.1	52	8	2	13.8
Terral TVX95S25	6213	.	.	17.3	57	10	2	18.6
Garst 5440	6212	5722	.	16.2	52	10	4	11.3
Triumph TR461	6183	5736	.	17.5	56	5	2	13.8
Terral TV93S72	6121	5536	6002	16.6	55	10	3	25.0
Golden Harvest H-512	5949	.	.	16.9	56	11	3	12.5
Southern States SS-800	5884	5660	6208	16.0	52	9	4	13.8
Dyna Gro X1738	5857	.	.	17.4	51	8	1	20.0

**Table 3. Performance of Nonirrigated Grain Sorghum Hybrids, Keiser, AR, 2003, Continued.**

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.	Bird Dam. %
Terral TVX94S34	5844	.	.	16.5	57	12	5	13.8
Triumph TR459	5789	.	.	20.6	49	12	2	1.3
Monsanto X204	5562	.	.	17.7	53	8	2	15.0
Garst 5624	4831	.	.	15.3	48	8	4	15.0
Dyna Gro 732B	4599	4677	.	15.9	54	14	3	42.5
Grand mean	6425	.	.	17.2	54	8	3	13.4
LSD (5%)	917	.	.	1.3	.	.	.	8.7
C.V. (%)	10	.	.	5.5	.	.	.	46.8

Soil Series.....Sharkey clay  
 Previous Crop.....Soybean  
 Row Width.....38 inches  
 Preplant Herbicide.....None  
 Preplant Fertilizer.....50 lbs./A N,P,K , 3-17-03  
 Planting Date.....4-15-03  
 Sidedress Fertilizer.....50 lbs./A N, 5-12-03, 50 lbs./A N, 6-05-03  
 Postemergence Herbicide.....2 qts./A Lasso + 1.6 qts./A Atrazine, 4-17-03, 1 pt./A Atrazine + 1.5 pts./A  
 Buctril, 5-14-03  
 Insecticide Application..... None  
 Harvest Date.....Early- to mid-season hybrids: 8-18-03  
 Mid- to full-season: 8-18-03

Precipitation (inches)

	April	May	June	July	August	Total
2003	2.2	11.4	3.3	5.8	0.7	23.4
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-2.7	+6.2	-0.7	+2.1	-2.1	+2.8



**Table 4. Performance of Irrigated Grain Sorghum Hybrids,  
Stuttgart, AR, 2003.**

Brand/Hybrid	Yield lb/A	2-Year Avg. lb/A	Grain Moist %	Plant Height in.	Head Exert. in.	Head Comp. Ratg.	Bird Dam. %
Dyna Gro 751B	8485	7917	18.1	55	10	5	5.0
Croplan Genetics 514	8457	7866	18.2	52	10	5	2.5
FFR 322	8226	7687	18.0	53	12	5	5.0
Pioneer Brand 84G62	8125	7555	16.8	49	9	5	2.5
Dyna Gro 780B	7994	7760	17.3	55	8	7	0.0
Terral TV97H17	7993	.	17.5	63	10	5	2.5
Golden Harvest H-502	7993	.	17.7	55	8	5	3.8
Southern States SS-650	7988	7415	18.2	56	8	5	1.3
Pioneer Brand 83G66	7982	7348	17.8	53	9	5	6.3
Terral TV96H81	7944	7660	17.6	54	8	5	0.0
Pioneer Brand 83G15	7857	.	16.4	52	5	4	3.8
DEKALB DKS53-11	7856	.	17.1	52	6	7	1.3
Golden Acres X-2027	7774	.	18.0	54	10	5	7.5
Triumph TR82-G	7773	7684	17.1	57	8	7	2.5
ASGROW A571	7636	7589	17.4	54	14	4	5.0
Terral TVX96H23	7625	.	18.2	62	12	6	3.8
FFR 318	7464	7275	17.6	54	12	5	2.5
Monsanto X234	7408	.	17.6	54	14	5	0.0
Golden Acres 3694	7399	7005	17.5	52	8	5	11.3
Terral TVX93S16	7390	.	16.8	57	12	5	0.0
Dyna Gro X1754	7367	.	17.1	51	10	4	1.3
Terral TV1050	7317	6817	16.9	53	10	5	6.3
Golden Harvest H-512	7295	.	17.9	51	12	3	6.3
Monsanto X204	7289	.	17.6	55	8	5	6.3
DEKALB DKS54-00	7260	6201	17.1	56	8	4	1.3
Terral TVX95S25	7165	.	17.4	56	13	5	8.8
Garst 5515	7049	6825	17.3	48	14	4	6.3
Golden Acres 444E	7034	7119	17.4	49	12	3	22.5
Dyna Gro 762B	7028	7106	17.5	52	12	7	7.5
Garst 5440	6968	6723	17.5	55	13	3	11.3
Southern States SS-800	6928	6804	16.9	49	14	4	11.3
Dyna Gro X17F90	6803	.	17.5	61	10	5	1.3
Terral TV93S72	6786	6747	17.8	56	15	4	13.8
Terral TVX94S34	6751	.	17.3	49	14	3	10.0
Terral TV9421	6739	6809	16.8	48	9	4	7.5
Terral TVX95S201	6674	6541	17.1	48	11	4	6.3
Terral TVX96H202	6521	6453	16.9	47	8	5	3.8

**Table 4. Performance of Irrigated Grain Sorghum Hybrids, Stuttgart, AR, 2003, Continued.**

Brand/Hybrid	Yield lb/A	2-Year Avg. lb/A	Grain Moist %	Plant Height in.	Head Exert. in.	Head Comp. Ratg.	Bird Dam. %
Triumph TR461	6275	6685	17.0	56	10	4	3.8
Triumph TR459	6055	.	16.8	45	12	4	3.8
Dyna Gro X1738	6024	.	17.3	50	11	7	7.5
Garst 5624	6013	.	17.0	44	14	4	10.0
Dyna Gro 732B	5082	5963	17.0	50	18	4	13.8
Grand mean	7281	.	17.4	53	11	5	5.7
LSD (5%)	696	.	0.6	.	.	.	6.5
C.V. (%)	6.9	.	2.7	.	.	.	82.8

Soil Series.....Crowley silt loam  
 Previous Crop..... Fallow  
 Row Width.....30 inches  
 Preplant Herbicide..... None  
 Preplant Fertilizer.....95 lbs./A N,P,K, 4-05-03  
 Planting Date..... 4-14-03  
 Irrigation Dates.....6-10, 7-08, 7-18  
 Sidedress Fertilizer.....200 lbs./A Urea, 6-06-03  
 Postemergence Herbicide.....2 qts./A Bicep II, 4-15-03  
 Insecticide Application..... None  
 Harvest Date.....Early- to mid-season hybrids: 8-27-03  
 Mid- to full-season: 8-27-03

Precipitation (inches)

	April	May	June	July	August	Total
2003	3.5	4.8	6.5	1.8	1.7	18.3
Average	5.6	4.7	3.6	3.4	2.8	20.1
Departure	-2.1	+0.1	+2.9	-1.6	-1.1	-1.8

**Table 5. Performance of Irrigated Grain Sorghum Hybrids, Rohwer, AR, 2003.**

Brand/Hybrid	Yield lb/A	2-Year Avg. lb/A	3-Year <sup>1</sup> Avg. lb/A	Grain Moist %	Plant Height in.	Head Exert. in.
Pioneer Brand 83G66	8025	7997	7162	14.3	57	6
Pioneer Brand 83G15	7913	.	.	14.3	54	4
Pioneer Brand 84G62	7803	8429	.	14.1	52	2
Croplan Genetics 514	7607	7926	.	13.9	57	4
Golden Harvest H-502	7556	.	.	14.4	57	6
Southern States SS-650	7507	7880	7328	14.1	56	4
FFR 318	7502	7366	.	14.0	56	9
FFR 322	7488	7973	7587	14.4	56	5
Terral TV96H81	7463	7677	.	14.6	55	4
Dyna Gro X1754	7449	.	.	14.7	53	5
Dyna Gro 762B	7447	6932	6433	13.9	55	7
DEKALB DKS53-11	7423	.	.	14.6	56	3
Golden Acres X-2027	7251	.	.	14.2	56	6
ASGROW A571	7241	7538	7130	14.0	53	6
Monsanto X204	7216	.	.	14.5	55	7
Terral TV9421	7213	7472	6850	14.2	49	7
Terral TVX93S16	7161	.	.	14.4	55	7
Triumph TR461	7141	7288	7141	13.3	57	4
Dyna Gro 751B	7116	8009	7401	13.6	55	4
Triumph TR82-G	7094	7988	7473	13.8	56	4
Terral TVX95S25	7090	.	.	14.1	59	8
Terral TVX96H23	7020	.	.	14.3	61	5
Dyna Gro 780B	6981	7576	7216	13.7	58	5
Garst 5440	6962	7318	.	13.6	56	7
Monsanto X234	6870	.	.	15.1	55	6
Terral TV1050	6858	6994	6585	13.4	55	5
Southern States SS-800	6856	7267	6948	13.8	53	6
Terral TV97H17	6818	.	.	14.5	59	2
Golden Acres 444E	6782	7150	.	13.6	53	5
Terral TVX94S34	6701	.	.	13.3	55	7
Golden Acres 3694	6692	6751	.	13.6	54	5
DEKALB DKS54-00	6636	6246	.	14.4	56	5
Golden Harvest H-512	6602	.	.	14.3	54	7
Terral TV93S72	6543	7103	.	13.8	53	8
Terral TVX96H202	6291	6856	.	13.2	52	7
Dyna Gro X17F90	6257	.	.	14.7	61	5
Terral TVX95S201	6212	6907	.	13.0	51	7

**Table 5. Performance of Irrigated Grain Sorghum Hybrids, Rohwer, AR, 2003, Continued.**

Brand/Hybrid	Yield lb/A	2-Year Avg. lb/A	3-Year <sup>1</sup> Avg. lb/A	Grain Moist %	Plant Height in.	Head Exert. in.
Garst 5515	6156	6726	.	14.1	49	6
Dyna Gro X1738	6070	.	.	13.8	51	6
Garst 5624	5554	.	.	13.0	48	5
Dyna Gro 732B	5350	5324	.	13.9	51	5
Triumph TR459	5140	.	.	15.4	47	6
Grand mean	6930	.	.	14.0	55	6
LSD (5%)	755	.	.	1.0	.	.
C.V. (%)	8	.	.	5.1	.	.

<sup>1</sup> Three year averages are calculated from the years 2000, 2002, and 2003.

Soil Series.....Sharkey desha silt loam  
 Previous Crop..... Corn  
 Row Width.....38 inches  
 Preplant Herbicide..... None  
 Preplant Fertilizer.....200 lbs./A 0-60-90, 3-27-03  
 Planting Date..... 4-10-03  
 Irrigation Dates.....5-31, 6-24, 7-01, 7-08, 7-18  
 Sidedress Fertilizer.....110 lbs./A Urea (46%), 4-23-03, 210 lbs./A Urea (46%), 5-13-03  
 Postemergence Herbicide.....3 pts./A Bicep, 4-14-03, 1.5 pts./A Atrazine 4L, 4-22-03  
 Insecticide Application.....\_ pt./A Lorsban, 7-02-03, 1.3 oz./A Karate, 7-07-03, 1.3 oz./A Karate, 7-15-03  
 Harvest Date.....Early- to mid-season hybrids: 8-20-03  
 Mid- to full-season: 8-20-03

Precipitation (inches)

	April	May	June	July	August	Total
2003	2.7	9.7	5.4	2.4	1.3	21.5
Average	5.0	4.7	3.5	3.9	2.7	19.8
Departure	-2.3	+5.0	+1.9	-1.5	-1.4	+1.7

**Table 6. Performance of Nonirrigated Grain Sorghum Hybrids, Rohwer, AR, 2003.**

Brand/Hybrid	Yield lb/A	2-Year Avg. lb/A	3-Year <sup>1</sup> Avg. lb/A	Grain Moist %	Plant Height in.	Head Exert. in.
Pioneer Brand 84G62	8042	7854	.	14.2	52	4
Pioneer Brand 83G15	7999	.	.	14.6	56	4
Pioneer Brand 83G66	7937	7621	7352	13.9	60	5
DEKALB DKS53-11	7788	.	.	14.7	56	4
Dyna Gro X1754	7599	.	.	13.5	54	5
FFR 322	7578	7632	7277	14.5	56	5
Terral TVX95S25	7540	.	.	14.8	57	6
Golden Acres X-2027	7538	.	.	14.6	56	6
ASGROW A571	7522	7572	6997	14.2	57	5
Dyna Gro 762B	7301	7140	6871	13.9	55	6
Terral TV9421	7289	7083	6902	13.4	53	7
Golden Acres 3694	7279	6957	.	13.1	56	5
FFR 318	7252	6976	.	13.6	54	4
Golden Harvest H-502	7149	.	.	14.6	55	6
Terral TV1050	7070	7307	6852	13.0	53	5
Terral TV93S72	7022	7054	.	14.3	53	6
Dyna Gro X1738	7008	.	.	13.6	52	4
Southern States SS-800	6985	7011	6934	13.1	50	5
Monsanto X204	6917	.	.	14.5	57	6
Terral TV96H81	6894	7280	.	14.8	54	2
Garst 5440	6876	7142	.	13.3	52	5
Golden Harvest H-512	6861	.	.	13.9	53	5
Croplan Genetics 514	6858	7360	.	14.5	58	4
Dyna Gro 732B	6789	6170	.	14.7	52	7
Monsanto X234	6762	.	.	14.8	54	5
Dyna Gro 751B	6702	7177	6984	14.8	52	4
Triumph TR461	6680	7326	7285	13.3	55	4
Triumph TR82-G	6636	7479	7299	14.5	56	2
Terral TVX95S201	6604	6969	.	13.4	53	6
Terral TVX94S34	6582	.	.	13.5	53	6
Terral TV97H17	6541	.	.	15.4	60	2
Dyna Gro 780B	6527	7082	6522	14.6	60	3
Dyna Gro X17F90	6521	.	.	14.2	61	4
Southern States SS-650	6476	7066	6683	14.0	54	3
Terral TVX96H202	6473	6917	.	13.4	51	7
DEKALB DKS54-00	6466	6419	.	14.2	54	4
Terral TVX96H23	6463	.	.	14.8	57	5

**Table 6. Performance of Nonirrigated Grain Sorghum Hybrids, Rohwer, AR, 2003, Continued.**

Brand/Hybrid	Yield lb/A	2-Year Avg. lb/A	3-Year <sup>1</sup> Avg. lb/A	Grain Moist %	Plant Height in.	Head Exert. in.
Garst 5515	6387	6691	.	13.7	57	6
Terral TVX93S16	6339	.	.	15.2	54	7
Garst 5624	6152	.	.	12.5	49	7
Golden Acres 444E	6143	6643	.	13.0	52	7
Triumph TR459	6128	.	.	14.1	45	6
Grand mean	6945	.	.	14.1	54	5
LSD (5%)	845	.	.	1.0	.	.
C.V. (%)	9	.	.	5.1	.	.

<sup>1</sup> Three year averages are calculated from the years 2000, 2002, and 2003.

Soil Series.....Sharkey desha silt loam  
 Previous Crop..... Corn  
 Row Width.....38 inches  
 Preplant Herbicide..... None  
 Preplant Fertilizer.....200 lbs./A 0-60-90, 3-27-03  
 Planting Date..... 4-10-03  
 Sidedress Fertilizer.....110 lbs./A Urea (46%), 4-23-03, 210 lbs./A Urea (46%), 5-13-03  
 Postemergence Herbicide.....3 pts./A Bicep, 4-14-03, 1.5 pts./A Atrazine 4L, 4-22-03  
 Insecticide Application.....\_ pt./A Lorsban, 7-02-03, 1.3 oz./A Karate, 7-07-03, 1.3 oz./A Karate, 7-15-03  
 Harvest Date.....Early- to mid-season hybrids: 8-20-03  
 Mid- to full-season: 8-20-03

Precipitation (inches)

	April	May	June	July	August	Total
2003	2.7	9.7	5.4	2.4	1.3	21.5
Average	5.0	4.7	3.5	3.9	2.7	19.8
Departure	-2.3	+5.0	+1.9	-1.5	-1.4	+1.7

**Table 7. Performance of Irrigated Grain Sorghum Hybrids, Kibler, AR, 2003.**

Brand/Hybrid	Yield lb/A	Grain Moist %	Plant Height in.	Head Exert. in.	Head Comp. Ratg.	Bird Dam. %
Dyna Gro X1754	5928	15.4	56	6	2	27.5
FFR 318	5722	13.2	54	6	2	40.0
Terral TV9421	5667	16.5	51	5	2	22.5
Garst 5440	5630	16.7	48	3	2	22.5
Terral TVX93S16	5584	17.4	49	6	3	40.0
Pioneer Brand 83G66	5581	19.3	53	3	2	30.0
Southern States SS-650	5578	15.1	50	3	1	25.0
Monsanto X234	5532	16.6	47	5	2	22.5
DEKALB DKS53-11	5519	19.6	50	4	1	20.0
Golden Acres 444E	5505	16.8	46	4	2	30.0
Monsanto X204	5500	15.9	49	4	1	25.0
Terral TV97H17	5435	18.5	59	2	1	30.0
Terral TVX96H202	5414	13.6	45	6	2	22.5
Dyna Gro 732B	5363	13.5	46	10	1	15.0
Golden Acres X-2027	5343	15.3	57	7	2	30.0
Pioneer Brand 84G62	5338	17.8	52	3	3	32.5
Golden Harvest H-502	5323	15.8	51	3	1	25.0
Croplan Genetics 514	5310	15.9	55	5	1	25.0
Southern States SS-800	5306	16.4	47	3	2	27.5
Triumph TR461	5301	14.3	51	5	1	22.5
Garst 5515	5292	14.0	50	6	3	25.0
Golden Acres 3694	5274	14.9	47	4	2	30.0
Dyna Gro 751B	5258	15.4	51	3	1	32.5
FFR 322	5215	16.4	51	11	1	25.0
Triumph TR459	5208	18.3	41	5	2	12.5
ASGROW A571	5184	17.3	53	5	2	17.5
Terral TV93S72	5165	16.1	48	5	1	30.0
Terral TVX95S25	5159	16.2	50	5	2	32.5
Dyna Gro 780B	5146	16.8	50	2	1	25.0
Terral TV96H81	5145	16.0	55	4	1	22.5
Terral TV1050	5094	16.3	52	4	2	32.5
Pioneer Brand 83G15	5080	20.0	58	2	2	30.0
Golden Harvest H-512	5042	16.4	47	2	2	25.0
Terral TVX94S34	5008	13.6	51	6	3	40.0
Garst 5624	4917	13.2	43	3	3	15.0
Dyna Gro X1738	4856	14.4	46	3	2	30.0
Terral TVX95S201	4829	16.0	46	6	3	22.5

**Table 7. Performance of Irrigated Grain Sorghum Hybrids, Kibler, AR, 2003, Continued.**

Brand/Hybrid	Yield lb/A	Grain Moist %	Plant Height in.	Head Exert. in.	Head Comp. Ratg.	Bird Dam. %
Triumph TR82-G	4719	18.1	53	3	3	27.5
Dyna Gro X17F90	4644	19.5	62	6	1	32.5
Dyna Gro 762B	4637	14.0	57	4	3	37.5
DEKALB DKS54-00	4563	17.8	50	6	2	25.0
Terral TVX96H23	4504	17.3	53	4	1	27.5
Grand mean	5234	16.2	51	5	2	27.0
LSD (5%)	752	1.5	.	.	.	14.2
C.V. (%)	10	6.5	.	.	.	37.9

Soil Series.....Dardanelle silt loam  
 Previous Crop.....Southern Pea  
 Row Width.....36 inches  
 Preplant Herbicide..... None  
 Preplant Fertilizer.....300 lbs./A 10-20-10, 4-28-03  
 Planting Date..... 5-06-03  
 Irrigation Dates.....5-12, 7-02, 7-08, 7-16, 7-23, 7-29, 8-13, 8-20  
 Sidedress Fertilizer.....100 lbs./A 34-0-0, 5-22-03, 200 lbs./A 34-0-0, 6-17-03  
 Postemergence Herbicide.....2 qts./A Atrazine 4L, 5-07-03  
 Insecticide Application.....4 oz./A Asana XL, 5-19-03, 4 oz./A Asana XL, 5-22-03, 2 qts./A Sevin XLR, 7-22-03  
 Harvest Date.....Early- to mid-season hybrids: 8-25-03  
 Mid- to full-season: 8-25-03

Precipitation (inches)

	April	May	June	July	August	Total
2003	2.6	2.4	6.0	1.0	2.4	14.4
Average	2.9	5.4	5.6	1.3	2.2	17.4
Departure	-0.3	-3.0	+0.4	-0.3	+0.2	-3.0



**Table 8. Yields of Corn Hybrids in Arkansas Performance Tests, 2003<sup>1</sup>.**

Brand/Hybrid	Keiser Irr.	Marianna Irr.	Bell Farm Irr.	Rohwer Irr.	Williams Irr.	Avg.
-----bu./A-----						
<u>Early- to Mid-Season Hybrids</u>						
Belle 1130Y	220.7	227.4	200.4	127.2	210.0	197.1
Belle 1240RY	213.1	236.2	207.2	119.7	204.8	196.2
Belle 1420R	183.8	184.0	178.9	105.7	185.1	167.5
Belle 1430Y	214.7	214.3	199.5	122.3	194.3	189.0
Belle 1510C	199.4	205.4	172.6	86.8	170.6	167.0
Belle 1520R	224.4	184.9	199.6	62.7	176.1	169.5
Belle 1540RY	218.7	209.1	180.2	107.3	203.8	183.8
Croplan Genetics 691Bt	194.8	225.0	192.2	121.4	209.4	188.6
DEKALB DKC60-19RR/YGCB187.9		223.6	183.5	87.3	177.8	172.0
DEKALB DKC61-42	214.5	204.3	218.1	127.8	183.1	189.6
DEKALB DKC63-24RR/YGCB234.6		227.6	201.6	121.6	208.6	198.8
DEKALB DKC63-79YGCB	190.2	200.2	172.3	116.8	187.7	173.4
DEKALB DKC64-11RRYG	206.1	209.5	213.9	150.0	175.9	191.1
Dyna Gro 5528Bt	235.8	227.5	187.3	139.1	222.0	202.3
Dyna Gro 57K14	206.9	211.9	190.6	130.4	201.7	188.3
Dyna Gro CX03515	223.8	234.2	205.2	145.5	206.2	203.0
Dyna Gro CX03615	230.6	221.1	224.1	150.1	192.2	203.6
Dyna Gro CX03914	229.1	224.2	194.0	100.5	210.7	191.7
FFR 736 Bt	218.4	222.9	206.1	106.1	206.5	192.0
Garst 8350YG1	224.9	217.3	194.6	137.1	203.3	195.4
Genesis 2D14C	178.6	179.3	175.6	108.8	191.3	166.7
Genesis 2D14RR	186.5	203.2	195.5	115.3	205.8	181.3
Genesis 3214YG	248.9	235.0	214.7	153.4	197.3	209.9
Genesis 3215RR	225.3	218.1	218.4	128.0	212.0	200.4
Golden Acres 2828RR	210.0	208.9	191.7	121.9	187.1	183.9
Golden Acres 2850RR	206.8	197.0	170.3	122.5	188.2	177.0
Golden Acres 8112	192.3	208.9	192.1	94.0	207.3	178.9
Golden Acres X-6309Bt	249.1	218.9	203.1	130.6	188.8	198.1
Golden Harvest H-8906	207.2	196.9	186.8	123.7	197.2	182.4
Golden Harvest H-9148Bt	231.8	231.6	176.6	126.0	178.2	188.8
Golden Harvest H-9480	205.6	206.1	190.3	127.4	190.4	184.0
Golden Harvest H-9498Bt	215.8	232.8	202.9	123.1	216.3	198.2
Horizon 7380Bt	226.3	216.3	191.0	125.9	197.1	191.3
Horizon 7439CL	197.6	188.7	171.3	129.5	163.4	170.1
NK Brand N67-T4	194.1	202.5	167.6	121.5	177.5	172.6
NK Brand N70-T9	217.8	212.2	193.1	151.2	196.9	194.2
NK Brand N72-J5	202.0	214.4	200.9	125.4	186.3	185.8
Pioneer Brand 31G98	222.9	233.4	226.7	173.5	231.4	217.6
Pioneer Brand 32R25	207.3	213.8	213.5	183.2	191.5	201.9
Pioneer Brand 32W86	210.1	225.0	231.5	142.6	223.3	206.5
Pioneer Brand 33M54	217.1	212.4	213.2	171.9	229.0	208.7
Pioneer Brand 33P67YGCB	225.5	218.3	216.0	131.3	218.1	201.8

**Table 8. Yields of Corn Hybrids in Arkansas Performance Tests, 2003<sup>1</sup>, Continued.**

Brand/Hybrid	Keiser Irr.	Marianna Irr.	Bell Farm Irr.	Rohwer Irr.	Williams Irr.	Avg.
-----bu./A-----						
<u>Early- to Mid-Season Hybrids Continued</u>						
Terral TV2130	225.7	227.0	209.3	95.7	211.3	193.8
Terral TV2140	209.3	200.9	202.1	111.5	183.6	181.5
Terral TV2140nRR	217.6	213.8	206.8	75.6	184.4	179.6
Terral TV2155 Bt	225.9	229.1	214.2	93.1	191.1	190.7
Terral TV2160 Bt	213.2	230.5	226.4	146.5	207.4	204.8
Terral TV23R15n	182.2	207.7	204.1	87.4	206.6	177.6
Terral TV24R10	180.9	206.7	213.0	111.8	208.8	184.2
Terral TV25B30	209.5	217.6	216.2	117.3	194.8	191.1
Terral TV26B23	223.5	228.0	214.1	113.1	199.4	195.6
Terral TV26BR10n	225.3	223.5	211.3	88.5	193.3	188.4
Terral TVX20C03	216.5	209.3	193.3	110.1	178.2	181.5
Terral TVX21C03	208.5	191.7	192.8	85.3	177.7	171.2
Terral TVX22R013	188.8	194.9	183.1	103.6	179.7	170.0
Terral TVX23C03	226.3	218.5	202.3	84.1	192.2	184.7
Terral TVX24R013	219.0	194.3	203.8	79.3	191.4	177.6
Terral TVX25B013	231.3	212.8	203.5	103.4	191.5	188.5
Terral TVX25B023	219.0	223.3	205.2	126.6	217.8	198.4
Terral TVX25BR013	218.1	217.8	210.5	133.4	204.7	196.9
Terral TVX25BR023	252.4	228.8	203.0	148.2	210.8	208.6
Terral TVX26B013	225.0	212.9	193.1	121.9	195.5	189.7
Terral TVX26C013	222.3	209.6	199.9	108.0	189.7	185.9
Triumph 1120BtRR	217.5	167.6	178.6	136.2	174.5	174.9
Triumph 1416Bt	212.7	237.1	216.5	129.5	204.4	200.0
USG/BG Bt1150	233.2	245.4	205.2	139.0	208.6	206.3
USG/BG Bt1152	222.9	181.8	167.9	121.3	185.7	175.9
ZEX 1122C	179.5	181.9	158.4	88.3	162.5	154.1
ZEX 1255C	202.3	195.1	173.3	78.5	185.7	167.0
ZEX 2211R	196.2	172.0	161.8	109.9	174.0	162.8
ZEX 4444C	179.1	175.7	154.1	104.9	176.1	158.0
Grand mean	213.2	211.8	197.0	119.0	195.6	187.3
LSD (5%)	34.4	18.8	21.8	17.7	30.1	.
C.V. (%)	11.6	6.4	8.0	10.7	11.1	.

**Table 8. Yields of Corn Hybrids in Arkansas Performance Tests, 2003<sup>1</sup>, Continued.**

Brand/Hybrid	Keiser Irr.	Marianna Irr.	Bell Farm Irr.	Rohwer Irr.	Williams Irr.	Avg.
-----bu./A-----						
<u>Mid- to Full-Season Hybrids</u>						
Croplan Genetics 818Bt	207.0	186.0	171.0	108.0	212.0	176.8
DEKALB DK697	220.9	203.9	207.0	118.7	208.7	191.8
DEKALB DKC68-70YG	253.4	199.6	188.5	105.1	201.1	189.5
DEKALB DKC69-71RR/YGCB241.1		207.8	212.8	129.5	232.8	204.8
Dyna Gro 5515	184.7	204.4	163.0	111.1	193.8	171.4
Dyna Gro 57K66	193.3	186.9	174.6	95.1	176.1	165.2
Dyna Gro 58K15	200.3	205.0	187.4	106.1	202.5	180.3
FFR 849CL	232.6	217.2	190.2	130.9	204.4	195.1
FFR 900Bt	248.3	228.1	216.8	110.1	217.9	204.2
Garst 8230IT	187.5	191.6	177.8	136.7	211.1	180.9
Garst 8288	226.4	189.6	170.6	142.0	203.0	186.3
Garst ND200YG1	228.0	202.9	189.9	80.0	199.0	180.0
Genesis 2A16RR	211.3	217.9	205.9	117.3	208.4	192.2
Genesis 2A16YG	211.2	215.6	199.3	100.8	198.1	185.0
Genesis 2B16TR	235.7	226.6	196.4	112.9	198.5	194.0
Golden Acres 2995RR	206.1	190.8	200.1	83.3	186.1	173.3
Horizon 7470Bt	210.1	214.7	190.1	121.2	219.6	191.1
Pioneer Brand 31G66	228.4	204.4	194.6	106.5	208.4	188.5
Pioneer Brand 32D99	231.9	222.4	212.8	135.3	227.8	206.0
Pioneer Brand 32P76YGCB	196.0	227.0	193.0	131.9	203.6	190.3
Southern States 753BtCl	196.4	200.3	191.5	98.7	200.9	177.6
Triumph 1866 Bt	202.7	212.8	191.1	115.9	199.6	184.4
Grand mean	216.1	207.1	192.0	113.5	205.2	186.8
LSD (5%)	34.0	20.3	22.1	18.5	25.3	.
C.V. (%)	11.2	7.0	8.2	11.7	8.6	.

<sup>1</sup> Keiser = Northeast Research and Extension Center.  
 Marianna = Cotton Branch Station.  
 Bell Farm = Bell Farming Company, Prairie County.  
 Rohwer = Southeast Research and Extension Center - Rohwer Division.  
 Williams = John Williams Farm, Lafayette County.

**Table 9. Performance of Irrigated Corn Hybrids, Keiser, AR, 2003.**

Brand/Hybrid	Yield bu/A	2-Year	3-Year	Grain		Stalk Lodg.	Plants/ Acre	Ear Ht. in.
		Avg. bu/A	Avg. bu/A	Moist %	Root Lodg.			
<u>Early- to Mid-Season Hybrids</u>								
Terral TVX25BR023	252.4	.	.	18.9	0.0	1.0	36894	42
Golden Acres X-6309Bt	249.1	.	.	17.8	0.0	1.3	34916	54
Genesis 3214YG	248.9	.	.	19.9	0.0	1.0	33712	46
Dyna Gro 5528Bt	235.8	.	.	18.1	0.0	0.5	32250	46
DEKALB DKC63-24RR/YGCB	234.6	.	.	17.7	0.0	0.0	31992	41
USG/BG Bt1150	233.2	.	.	19.9	0.0	1.0	33196	41
Golden Harvest H-9148Bt	231.8	.	.	17.3	0.0	1.3	31046	41
Terral TVX25B013	231.3	.	.	16.8	0.0	1.0	34572	50
Dyna Gro CX03615	230.6	.	.	18.1	0.0	0.4	30998	43
Dyna Gro CX03914	229.1	.	.	18.1	0.0	0.3	31201	36
Terral TVX23C03	226.3	.	.	18.9	0.0	1.5	33368	52
Horizon 7380Bt	226.3	.	.	18.0	0.0	0.0	32164	38
Terral TV2155 Bt	225.9	198.6	199.7	17.9	0.0	0.8	34916	48
Terral TV2130	225.7	199.8	199.9	19.4	0.0	2.0	37668	52
Pioneer Brand 33P67YGCB	225.5	.	.	18.4	0.0	0.3	33368	42
Terral TV26BR10n	225.3	206.5	.	18.3	0.0	1.0	35776	42
Genesis 3215RR	225.3	.	.	19.5	0.0	0.5	32594	38
Terral TVX26B013	225.0	.	.	18.3	0.0	0.8	34486	45
Garst 8350YG1	224.9	.	.	17.3	0.0	1.5	31906	42
Belle 1520R	224.4	.	.	17.9	0.0	2.3	32594	44
Dyna Gro CX03515	223.8	.	.	18.6	0.0	0.0	30444	41
Terral TV26B23	223.5	.	.	18.2	0.0	1.5	36550	50
USG/BG Bt1152	222.9	.	.	18.8	0.0	0.0	26912	42
Pioneer 31G98	222.9	211.0	208.1	17.3	0.0	1.8	33196	51
Terral TVX26C013	222.3	.	.	19.0	0.0	4.8	34228	46
Belle 1130Y	220.7	.	.	19.3	0.0	0.3	31648	45
Terral TVX25B023	219.0	.	.	19.3	0.0	0.3	31820	38
Terral TVX24R013	219.0	.	.	17.5	0.0	4.5	30960	48
Belle 1540RY	218.7	.	.	18.2	0.0	1.3	30788	41
FFR 736 Bt	218.4	195.9	187.3	18.3	0.0	2.3	33282	42
Terral TVX25BR013	218.1	.	.	16.7	0.0	0.8	36378	46
NK Brand N70-T9	217.8	.	.	19.1	0.0	0.0	34056	35
Terral TV2140nRR	217.6	192.5	.	17.9	0.0	3.8	34142	47
Triumph 1120BtRR	217.5	188.8	.	16.8	0.0	0.0	28552	38
Pioneer Brand 33M54	217.1	.	.	17.8	0.0	0.0	30616	42
Terral TVX20C03	216.5	.	.	17.9	0.0	0.3	33282	44
Golden Harvest H-9498Bt	215.8	.	.	18.9	0.0	1.3	32766	43
Belle 1430Y	214.7	.	.	18.6	0.0	0.3	32594	50
DEKALB DKC61-42	214.5	.	.	16.8	0.0	2.5	31992	36
Terral TV2160 Bt	213.2	180.6	183.8	18.8	0.0	0.8	33454	48
Belle 1240RY	213.1	.	.	18.8	0.0	1.3	31304	42
Triumph 1416Bt	212.7	.	.	17.3	0.0	0.3	30616	35

**Table 9. Performance of Irrigated Corn Hybrids, Keiser, AR, 2003, Continued.**

Brand/Hybrid	Yield	2-Year	3-Year	Grain	Root	Stalk	Plants/	Ear
	bu/A	Avg. bu/A	Avg. bu/A	Moist %	Lodg.	Lodg.	Acre	Ht. in.
<u>Early- to Mid-Season Hybrids Continued</u>								
Pioneer Brand 32W86	210.1	187.7	.	16.9	0.0	0.3	31218	43
Golden Acres 2828RR	210.0	.	.	17.6	0.0	1.5	33540	32
Terral TV25B30	209.5	.	.	19.5	0.0	0.8	36292	47
Terral TV2140	209.3	187.8	193.2	18.2	0.0	6.3	33454	48
Terral TVX21C03	208.5	.	.	19.4	0.0	0.8	33884	47
Pioneer Brand 32R25	207.3	192.1	.	18.1	0.0	1.5	29240	50
Golden Harvest H-8906	207.2	.	.	18.0	0.0	0.3	31906	32
Dyna Gro 57K14	206.9	.	.	17.3	0.0	1.5	33024	32
Golden Acres 2850RR	206.8	.	.	18.2	0.0	0.5	31046	49
DEKALB DKC64-11RR/YGCB	206.1	190.5	.	16.4	0.0	0.3	33712	44
Golden Harvest H-9480	205.6	.	.	17.7	0.0	1.0	29154	49
ZEX 1255C	202.3	.	.	18.5	0.0	0.5	31906	49
NK Brand N72-J5	202.0	.	.	18.7	0.0	1.3	29068	39
Belle 1510C	199.4	.	.	18.2	0.0	1.5	31820	49
Horizon 7439CL	197.6	.	.	17.3	0.0	1.5	31562	44
ZEX 2211R	196.2	.	.	18.1	0.0	0.0	31562	43
Croplan Genetics 691Bt	194.8	177.0	.	18.8	0.0	0.3	30788	43
NK Brand N67-T4	194.1	.	.	18.0	0.0	0.0	27950	39
Golden Acres 8112	192.3	.	.	18.2	0.0	3.0	32680	52
DEKALB DKC63-79YGCB	190.2	.	.	17.9	0.0	0.5	31046	42
Terral TVX22R013	188.8	.	.	18.0	0.0	0.8	34658	46
DEKALB DKC60-19RR/YGCB	187.9	.	.	17.9	0.0	4.0	31992	30
Genesis 2D14RR	186.5	.	.	18.9	0.0	0.3	33368	45
Belle 1420R	183.8	.	.	18.9	0.0	0.0	30530	47
Terral TV23R15n	182.2	183.7	.	19.0	0.0	2.0	34056	47
Terral TV24R10	180.9	177.2	.	19.3	0.0	0.3	36034	51
ZEX 1122C	179.5	.	.	18.2	0.0	0.5	27348	44
ZEX 4444C	179.1	.	.	19.6	0.0	0.3	29756	40
Genesis 2D14C	178.6	.	.	17.3	0.0	0.0	28518	40
Grand mean	213.2	.	.	18.2	0.0	1.1	32399	44
LSD (5%)	34.4	.	.	1.2	.	.	3333	.
C.V. (%)	11.6	.	.	4.8	.	.	7	.

**Table 9. Performance of Irrigated Corn Hybrids, Keiser, AR, 2003, Continued.**

Brand/Hybrid	Yield bu/A	2-Year	3-Year	Grain		Stalk Lodg.	Plants/ Acre	Ear Ht. in.
		Avg. bu/A	Avg. bu/A	Moist %	Root Lodg.			
<u>Mid- to Full-Season Hybrids</u>								
DEKALB DKC68-70YG	253.4	232.4	227.7	18.4	0.0	0.5	35438	
FFR 900Bt	248.3	.	.	18.4	0.0	0.3	30100	
DEKALB DKC69-71RR/YGCB	241.1	.	.	20.7	0.0	0.3	33368	
Genesis 2B16TR	235.7	.	.	17.7	0.0	2.0	35518	
FFR 849CL	232.6	.	.	19.8	0.0	0.5	32852	
Pioneer Brand 32D99	231.9	.	.	19.5	0.0	0.0	31562	
Pioneer Brand 31G66	228.4	.	.	18.2	0.0	2.3	31046	
Garst ND200YG1	228.0	.	.	20.0	0.0	0.0	30272	
Garst 8288	226.4	209.1	199.5	18.5	0.0	1.8	30272	
DEKALB DK697	220.9	.	.	19.3	0.0	0.5	34142	
Genesis 2A16RR	211.3	.	.	17.1	0.0	4.0	34744	
Genesis 2A16YG	211.2	.	.	18.6	0.0	0.0	33196	
Horizon 7470Bt	210.1	.	.	18.6	0.0	1.5	29584	
Croplan Genetics 818Bt	207.0	204.1	208.7	19.9	0.0	0.5	33110	
Golden Acres 2995RR	206.1	.	.	19.0	0.0	6.5	31132	
Triumph 1866 Bt	202.7	168.8	174.2	18.6	0.0	1.5	31648	
Dyna Gro 58K15	200.3	.	.	17.4	0.0	4.8	28294	
Southern States 753BtCl	196.4	.	.	17.1	0.0	2.0	30960	
Pioneer Brand32P76YGCB	196.0	191.7	194.6	19.3	0.0	0.0	30100	
Dyna Gro 57K66	193.3	.	.	18.1	0.0	0.8	32938	
Garst 8230IT	187.5	175.0	.	19.2	0.0	0.3	29412	
Dyna Gro 5515	184.7	170.8	176.4	17.8	0.0	2.8	29842	
Grand mean	216.1	.	.	18.7	0.0	1.5	31797	
LSD (5%)	34.0	.	.	0.8	.	.	3620	
C.V. (%)	11.2	.	.	3.0	.	.	8	

Soil Series.....Sharkey clay  
 Previous Crop.....Soybean  
 Row Width.....38 inches  
 Preplant Herbicide..... None  
 Preplant Fertilizer.....50 lbs./A N,P,K , 3-17-03  
 Planting Date..... 4-14-03  
 Irrigation Dates.....6-10, 6-24, 7-03, 7-10, 7-17  
 Sidedress Fertilizer.....175 lbs./A N, 5-12-03, 115 lbs./A N, 5-24-03  
 Postemergence Herbicide.....2 qts./A Lasso + 1.6 qts./A Atrazine, 4-17-03, 1 pt./A Atrazine + 1.5 pts./A  
 Buctril, 5-14-03  
 Insecticide Application..... None  
 Harvest Date.....Early- to mid-season hybrids: 9-08-03  
 Mid- to full-season: 9-08-03

Precipitation (inches)

	April	May	June	July	August	Total
2003	2.2	11.4	3.3	5.8	0.7	23.4
Average	4.9	5.2	4.0	3.7	2.8	20.6
Departure	-2.7	+6.2	-0.7	+2.1	-2.1	+2.8

**Table 10. Performance of Irrigated Corn Hybrids, Marianna, AR, 2003.**

Brand/Hybrid	Yield bu/A	2-Year	3-Year	Grain			Plants/ Acre	Ear Ht. in.
		Avg. bu/A	Avg. bu/A	Moist %	Root Lodg.	Stalk Lodg.		
<u>Early- to Mid-Season Hybrids</u>								
USG/BG Bt1150	245.4	.	.	20.7	0.8	0.5	32766	46
Triumph 1416Bt	237.1	.	.	18.9	0.3	0.3	31734	43
Belle 1240RY	236.2	.	.	18.7	0.8	0.0	31820	39
Genesis 3214YG	235.0	.	.	21.3	4.8	0.3	32508	46
Dyna Gro CX03515	234.2	.	.	21.3	0.5	1.0	32938	44
Pioneer 31G98	233.4	224.9	216.2	17.4	0.5	2.0	31820	51
Golden Harvest H-9498Bt	232.8	.	.	19.1	1.0	0.3	31992	45
Golden Harvest H-9148Bt	231.6	.	.	17.3	0.0	0.3	32250	41
Terral TV2160 Bt	230.5	210.9	205.5	21.4	1.8	1.0	35346	40
Terral TV2155 Bt	229.1	210.8	206.3	21.0	0.0	1.0	34056	47
Terral TVX25BR023	228.8	.	.	19.9	0.5	0.0	34572	39
Terral TV26B23	228.0	.	.	20.5	0.0	0.3	36206	47
DEKALB DKC63-24RR/YGCB	227.6	.	.	16.5	0.0	0.0	31218	50
Dyna Gro 5528Bt	227.5	.	.	17.8	0.0	1.0	28605	44
Belle 1130Y	227.4	.	.	20.0	0.0	0.3	29928	42
Terral TV2130	227.0	209.8	194.2	18.3	0.0	0.8	35690	47
Pioneer Brand 32W86	225.0	207.5	.	17.3	0.0	2.8	31132	44
Croplan Genetics 691Bt	225.0	212.9	.	16.8	0.0	0.0	32680	44
Dyna Gro CX03914	224.2	.	.	18.6	1.5	0.8	32938	42
DEKALB DKC60-19RR/YGCB	223.6	.	.	18.5	0.0	0.0	32852	30
Terral TV26BR10n	223.5	210.9	.	20.0	1.0	0.0	37496	43
Terral TVX25B023	223.3	.	.	20.8	0.0	0.3	30272	39
FFR 736 Bt	222.9	217.0	217.4	18.2	0.0	1.0	32422	41
Dyna Gro CX03615	221.1	.	.	18.2	0.3	0.0	32078	41
Golden Acres X-6309Bt	218.9	.	.	18.7	0.3	0.3	35776	48
Terral TVX23C03	218.5	.	.	16.0	0.3	1.3	36034	50
Pioneer Brand 33P67YGCB	218.3	.	.	19.7	0.0	0.5	33196	41
Genesis 3215RR	218.1	.	.	19.9	0.3	1.3	33540	34
Terral TVX25BR013	217.8	.	.	19.0	0.0	1.0	35432	46
Terral TV25B30	217.6	.	.	20.3	0.0	0.0	35432	47
Garst 8350YG1	217.3	.	.	15.8	0.0	0.0	29412	40
Horizon 7380Bt	216.3	.	.	17.0	1.0	0.0	31218	40
NK Brand N72-J5	214.4	.	.	18.0	1.3	2.8	31132	42
Belle 1430Y	214.3	.	.	20.7	0.3	0.8	32422	44
Pioneer Brand 32R25	213.8	207.4	.	17.2	0.3	2.3	31218	51
Terral TV2140nRR	213.8	198.1	.	17.9	1.0	1.0	31562	47
Terral TVX26B013	212.9	.	.	20.1	0.0	0.5	32680	47
Terral TVX25B013	212.8	.	.	18.5	0.3	1.5	32594	46
Pioneer Brand 33M54	212.4	.	.	19.0	0.3	0.3	27950	43
NK Brand N70-T9	212.2	.	.	20.4	0.5	0.5	30530	38
Dyna Gro 57K14	211.9	.	.	16.9	0.5	1.8	31820	39
Terral TVX26C013	209.6	.	.	18.5	0.3	0.8	32680	48
DEKALB DKC64-11RR/YGCB	209.5	193.6	.	17.0	0.0	0.0	32250	43
Terral TVX20C03	209.3	.	.	16.0	0.5	0.8	34916	44

**Table 10. Performance of Irrigated Corn Hybrids, Marianna, AR, 2003, Continued.**

Brand/Hybrid	Yield bu/A	2-Year Avg. bu/A	3-Year Avg. bu/A	Grain Moist %	Root Lodg.	Stalk Lodg.	Plants/ Acre
<u>Early- to Mid-Season Hybrids Continued</u>							
Belle 1540RY	209.1	.	.	19.6	0.5	0.0	2863843
Golden Acres 8112	208.9	.	.	18.1	0.5	1.5	3113245
Golden Acres 2828RR	208.9	.	.	17.0	0.5	0.5	3491632
Terral TV23R15n	207.7	195.6	.	18.5	0.0	0.8	3517444
Terral TV24R10	206.7	193.7	.	20.5	0.5	1.8	3689447
Golden Harvest H-9480	206.1	.	.	16.3	0.3	0.5	2855244
Belle 1510C	205.4	.	.	18.2	2.0	0.5	2855244
DEKALB DKC61-42	204.3	.	.	15.6	0.0	0.8	3242236
Genesis 2D14RR	203.2	.	.	18.0	0.0	1.0	3414246
NK Brand N67-T4	202.5	.	.	17.5	0.3	0.0	3027236
Terral TV2140	200.9	193.5	197.9	18.9	0.8	2.5	3027247
DEKALB DKC63-79YGCB	200.2	.	.	18.4	0.3	0.0	2803635
Golden Acres 2850RR	197.0	.	.	18.0	0.5	0.3	3096044
Golden Harvest H-8906	196.9	.	.	16.9	0.0	1.8	3139031
ZEX 1255C	195.1	.	.	18.6	0.3	0.3	2872448
Terral TVX22R013	194.9	.	.	16.3	0.0	0.5	3465839
Terral TVX24R013	194.3	.	.	17.8	1.8	3.5	3035849
Terral TVX21C03	191.7	.	.	19.9	0.0	1.8	3354047
Horizon 7439CL	188.7	.	.	15.8	0.0	0.0	3096038
Belle 1520R	184.9	.	.	16.5	1.0	1.3	2795046
Belle 1420R	184.0	.	.	20.9	0.0	0.3	2846647
ZEX 1122C	181.9	.	.	15.1	0.3	0.8	2519838
USG/BG Bt1152	181.8	.	.	20.0	0.3	0.0	2408041
Genesis 2D14C	179.3	.	.	16.6	0.0	0.0	2717640
ZEX 4444C	175.7	.	.	18.3	0.0	0.0	2580035
ZEX 2211R	172.0	.	.	15.7	0.0	0.0	2795041
Triumph 1120BtRR	167.6	171.4	.	17.0	0.3	0.3	2261843
Grand mean	211.8	.	.	18.4	0.4	0.7	3163343
LSD (5%)	18.8	.	.	1.6	.	.	2694.
C.V. (%)	6.4	.	.	6.4	.	.	6 .



**Table 10. Performance of Irrigated Corn Hybrids, Marianna, AR, 2003, Continued.**

Brand/Hybrid	Yield bu/A	2-Year Avg. bu/A	3-Year Avg. bu/A	Grain Moist %	Root Lodg.	Stalk Lodg.	Plants/ Acre
<u>Mid- to Full-Season Hybrids</u>							
FFR 900Bt	228.1	.	.	18.1	2.0	0.5	3182042
Pioneer Brand32P76YGCB	227.0	214.6	219.7	18.9	0.0	0.3	2605842
Genesis 2B16TR	226.6	.	.	17.5	0.3	0.0	3405644
Pioneer Brand 32D99	222.4	.	.	19.3	0.0	0.0	2863846
Genesis 2A16RR	217.9	.	.	17.0	0.0	0.8	3087454
FFR 849CL	217.2	.	.	18.0	0.0	0.8	2924047
Genesis 2A16YG	215.6	.	.	18.7	0.3	1.8	3354046
Horizon 7470Bt	214.7	.	.	18.2	0.3	0.5	2924041
Triumph 1866 Bt	212.8	197.2	194.7	18.6	0.0	0.3	3182046
DEKALB DKC69-71RR/YGCB	207.8	.	.	21.6	0.0	0.0	2898251
Dyna Gro 58K15	205.0	.	.	15.5	0.3	1.3	3190641
Pioneer Brand 31G66	204.4	.	.	18.6	0.3	1.3	2915442
Dyna Gro 5515	204.4	191.1	190.6	15.4	0.0	2.0	3113239
DEKALB DK697	203.9	.	.	19.7	0.3	1.8	2924049
Garst ND200YG1	202.9	.	.	20.8	0.0	0.5	2949843
Southern States 753BtCl	200.3	.	.	17.9	0.0	0.3	2975645
DEKALB DKC68-70YG	199.6	198.4	188.0	19.5	0.8	0.0	2949847
Garst 8230IT	191.6	196.4	.	18.1	0.5	1.3	2597242
Golden Acres 2995RR	190.8	.	.	18.4	0.0	1.8	2855254
Garst 8288	189.6	190.7	183.3	19.0	0.0	0.0	2545642
Dyna Gro 57K66	186.9	.	.	16.7	0.3	0.3	2855246
Croplan Genetics 818Bt	186.0	190.7	180.3	19.3	0.0	0.3	2992841
Grand mean	207.1	.	.	18.4	0.2	0.7	2967845
LSD (5%)	20.3	.	.	1.4	.	.	3331 .
C.V. (%)	7.0	.	.	5.4	.	.	8 .

Soil Series.....Calloway silt loam  
 Previous Crop.....Soybean  
 Row Width.....38 inches  
 Preplant Herbicide.....None  
 Preplant Fertilizer.....150 lbs./A 46-0-0, 4-01-03, 150 lbs./A 0-46-0 + 135 lbs./A 0-0-60, 4-01-03,  
 Planting Date.....4-01-03  
 Irrigation Dates.....7-03, 7-14, 7-28, 8-13  
 Sidedress Fertilizer.....164 lbs./A N, 5-22-03  
 Postemergence Herbicide.....0.75 oz./A Steadfast + 2 qts./A Atrazine, 4-18-03  
 Insecticide Application.....None  
 Harvest Date.....Early- to mid-season hybrids: 8-25-03  
 Mid- to full-season: 8-25-03

Precipitation (inches)

	April	May	June	July	August	Total
2003	2.6	7.4	4.2	4.0	2.9	21.1
Average	5.4	5.2	3.4	4.0	2.8	20.8
Departure	-2.8	+2.2	+0.8	0.0	+0.1	+0.3

**Table 11. Performance of Irrigated Corn Hybrids, Bell Farm, Prairie Co., AR, 2003.**

Brand/Hybrid	Yield bu/A	2-Year	3-Year <sup>1</sup>	Grain		Tip Cover <sup>2</sup>	Plants/ Acre	Ear Ht. in.
		Avg. bu/A	Avg. bu/A	Moist %	Root Lodg.			
<u>Early- to Mid-Season Hybrids</u>								
Pioneer Brand 32W86	231.5	245.2	.	20.1	0.0	2.0	25374	51
Pioneer 31G98	226.7	230.7	225.2	20.8	0.0	2.0	26136	49
Terral TV2160 Bt	226.4	219.7	213.9	22.7	0.0	2.0	29185	48
Dyna Gro CX03615	224.1	.	.	22.8	0.0	1.0	26572	46
Genesis 3215RR	218.4	.	.	23.6	0.0	2.0	29839	40
DEKALB DKC61-42	218.1	.	.	19.6	0.0	2.0	27116	36
Triumph 1416Bt	216.5	.	.	21.2	0.0	1.0	26790	44
Terral TV25B30	216.2	.	.	21.4	0.0	1.0	32126	49
Pioneer Brand 33P67YGCB	216.0	.	.	21.6	0.0	2.0	24394	48
Genesis 3214YG	214.7	.	.	23.0	0.0	1.0	28641	47
Terral TV2155 Bt	214.2	213.5	.	21.1	0.0	2.0	29185	47
Terral TV26B23	214.1	.	.	22.3	0.0	2.0	29730	46
DEKALB DKC64-11RR/YGCB	213.9	215.2	.	19.8	0.0	2.0	27334	44
Pioneer Brand 32R25	213.5	220.8	.	18.2	0.0	3.0	24285	54
Pioneer Brand 33M54	213.2	.	.	20.6	0.0	2.0	25156	49
Terral TV24R10	213.0	218.4	.	23.3	0.0	2.0	30819	52
Terral TV26BR10n	211.3	213.4	.	21.0	0.0	1.0	29077	45
Terral TVX25BR013	210.5	.	.	19.4	0.0	2.0	28859	53
Terral TV2130	209.3	226.9	224.9	20.2	0.0	1.0	27878	45
Belle 1240RY	207.2	.	.	21.8	0.0	1.0	27334	41
Terral TV2140nRR	206.8	209.9	.	21.0	0.0	1.0	26899	53
FFR 736 Bt	206.1	207.2	.	20.3	0.0	2.0	27116	42
Dyna Gro CX03515	205.2	.	.	22.9	0.0	2.0	25918	46
Terral TVX25B023	205.2	.	.	22.9	0.0	2.0	25918	46
USG/BG Bt1150	205.2	.	.	21.2	0.0	1.0	27661	47
Terral TV23R15n	204.1	189.0	.	21.1	0.0	1.0	28859	46
Terral TVX24R013	203.8	.	.	22.1	0.0	2.0	25809	47
Terral TVX25B013	203.5	.	.	19.6	0.0	3.0	26354	52
Golden Acres X-6309Bt	203.1	.	.	21.3	0.0	2.0	26898	50
Terral TVX25BR023	203.0	.	.	21.8	0.0	1.0	27443	49
Golden Harvest H-9498Bt	202.9	.	.	20.7	0.0	1.0	25918	45
Terral TVX23C03	202.3	.	.	21.7	0.0	1.0	27552	56
Terral TV2140	202.1	203.1	203.6	21.7	0.0	2.0	26354	50
DEKALB DKC63-24RR/YGCB	201.6	.	.	19.7	0.0	3.0	25483	50
NK Brand N72-J5	200.9	.	.	22.1	0.0	2.0	24721	48
Belle 1130Y	200.4	.	.	23.1	0.0	1.0	24394	40
Terral TVX26C013	199.9	.	.	21.9	0.0	2.0	24938	47
Belle 1520R	199.6	.	.	20.9	0.0	2.0	25592	50
Belle 1430Y	199.5	.	.	20.8	0.0	1.0	25918	52
Genesis 2D14RR	195.5	.	.	19.9	0.0	1.0	27443	53
Garst 8350YG1	194.6	.	.	19.7	0.0	2.0	24829	49
Dyna Gro CX03914	194.0	.	.	22.4	0.0	1.0	25047	42
Terral TVX20C03	193.3	.	.	19.2	0.0	2.0	27334	45
NK Brand N70-T9	193.1	.	.	22.8	0.0	1.0	25809	47

**Table 11. Performance of Irrigated Corn Hybrids, Bell Farm, Prairie Co., AR, 2003, Continued.**

Brand/Hybrid	Yield	2-Year	3-Year <sup>1</sup>	Grain	Root Lodg.	Tip Cover <sup>2</sup>	Plants/ Acre
	bu/A	Avg. bu/A	Avg. bu/A	Moist %			
<u>Early- to Mid-Season Hybrids Continued</u>							
Terral TVX26B013	193.1	.	.	21.3	0.0	2.0	2526547
Terral TVX21C03	192.8	.	.	23.3	0.0	1.0	2559252
Croplan Genetics 691Bt	192.2	204.6	.	21.1	0.0	1.0	2657245
Golden Acres 8112	192.1	.	.	20.8	0.0	3.0	2668152
Golden Acres 2828RR	191.7	.	.	21.8	0.0	1.0	2809640
Horizon 7380Bt	191.0	.	.	21.2	0.0	1.0	2602740
Dyna Gro 57K14	190.6	.	.	19.4	0.0	1.0	2657237
Golden Harvest H-9480	190.3	.	.	19.8	0.0	1.0	2504747
Dyna Gro 5528Bt	187.3	.	.	21.4	0.0	2.0	2199847
Golden Harvest H-8906	186.8	.	.	20.6	0.0	1.0	2461240
DEKALB DKC60-19RR/YGCB	183.5	.	.	20.5	0.0	1.0	2700830
Terral TVX22R013	183.1	.	.	19.8	0.0	1.0	2679048
Belle 1540RY	180.2	.	.	20.9	0.0	1.0	2406751
Belle 1420R	178.9	.	.	23.0	0.0	2.0	2482949
Triumph 1120BtRR	178.6	190.7	.	17.9	0.0	1.0	2341453
Golden Harvest H-9148Bt	176.6	.	.	19.9	0.0	2.0	2493942
Genesis 2D14C	175.6	.	.	19.1	0.0	3.0	2254246
ZEX 1255C	173.3	.	.	22.0	0.0	2.0	2058252
Belle 1510C	172.6	.	.	21.8	0.0	2.0	2341445
DEKALB DKC63-79YGCB	172.3	.	.	20.4	0.0	3.0	2472042
Horizon 7439CL	171.3	.	.	18.4	0.0	2.0	2417640
Golden Acres 2850RR	170.3	.	.	19.7	0.0	1.0	2461148
USG/BG Bt1152	167.9	.	.	22.2	0.0	3.0	2069136
NK Brand N67-T4	167.6	.	.	20.5	0.0	3.0	2472043
ZEX 2211R	161.8	.	.	19.7	0.0	2.0	2243443
ZEX 1122C	158.4	.	.	19.1	0.0	2.0	2188949
ZEX 4444C	154.1	.	.	23.0	0.0	1.0	1862247
Grand mean	197.0	.	.	21.0	.	.	25943 46
LSD (5%)	21.8	.	.	1.8	.	.	2776 .
C.V. (%)	8.0	.	.	6.1	.	.	8 .

**Table 11. Performance of Irrigated Corn Hybrids, Bell Farm, Prairie Co., AR, 2003, Continued.**

Brand/Hybrid	Yield bu/A	2-Year	3-Year <sup>1</sup>	Grain			Plants/ Acre	Ear Ht. in.
		Avg. bu/A	Avg. bu/A	Moist %	Root Lodg.	Tip Cover <sup>2</sup>		
<u>Mid- to Full-Season Hybrids</u>								
FFR 900Bt	216.8	.	.	21.6	0.0	2.0	26136	47
Pioneer Brand 32D99	212.8	.	.	20.9	0.0	2.0	24503	44
DEKALB DKC69-71RR/YGCB	212.8	.	.	22.6	0.0	1.0	26027	48
DEKALB DK697	207.0	.	.	22.7	0.0	1.0	25591	40
Genesis 2A16RR	205.9	.	.	19.8	0.0	3.0	29839	52
Golden Acres 2995RR	200.1	.	.	22.5	0.0	1.0	25809	42
Genesis 2A16YG	199.3	.	.	21.0	0.0	1.0	28968	46
Genesis 2B16TR	196.4	.	.	19.3	0.0	2.0	28423	39
Pioneer Brand 31G66	194.6	.	.	20.5	0.0	1.0	25047	52
Pioneer Brand32P76YGCB	193.0	212.9	217.3	19.8	0.0	1.0	24394	43
Southern States 753BtCl	191.5	.	.	18.1	0.0	1.0	26789	47
Triumph 1866 Bt	191.1	185.0	196.2	21.3	0.0	2.0	27552	43
FFR 849CL	190.2	.	.	20.1	0.0	2.0	24503	49
Horizon 7470Bt	190.1	.	.	21.3	0.0	1.0	22978	56
Garst ND200YG1	189.9	.	.	23.0	0.0	2.0	25374	53
DEKALB DKC68-70YG	188.5	199.5	.	21.2	0.0	2.0	24394	55
Dyna Gro 58K15	187.4	.	.	18.9	0.0	1.0	26789	52
Garst 8230IT	177.8	189.4	.	20.5	0.0	2.0	21454	51
Dyna Gro 57K66	174.6	.	.	19.4	0.0	1.0	26354	45
Croplan Genetics 818Bt	171.0	192.1	203.0	23.2	0.0	3.0	25156	50
Garst 8288	170.6	195.2	.	22.0	0.0	2.0	23958	46
Dyna Gro 5515	163.0	189.6	.	19.0	0.0	2.0	25156	40
Grand mean	192.0	.	.	20.9	.	.	25691	47
LSD (5%)	22.1	.	.	1.7	.	.	2851	.
C.V. (%)	8.2	.	.	5.7	.	.	8	.

<sup>1</sup> Three year averages were calculated from the years 2000, 2002, and 2003.

<sup>2</sup> Tip Cover: Good = 1, Average = 2, Poor = 3

Soil Series.....Calhoun silt loam  
 Previous Crop..... Soybean  
 Row Width..... 30 inches  
 Preplant Herbicide..... None  
 Preplant Fertilizer.....100-20-60 + 20 lbs./A Sulfur, 3-31-03, Starter solution 11-30-10, 4-02-03  
 Planting Date..... 4-03-03  
 Irrigation Dates.....5-29, 6-23, 7-05, 7-11, 7-18, 7-25  
 Sidedress Fertilizer.....34 gal./A 32%N, 5-03-03, 100 lbs./A Urea, 6-10-03  
 Postemergence Herbicide.....10 oz./A Basis Gold + 1 qt./A Atrazine, 4-14-03  
 Insecticide Application..... None  
 Harvest Date.....Early- to mid-season hybrids: 8-21-03  
 Mid- to full-season: 8-21-03

**Table 12. Performance of Irrigated Corn Hybrids, Rohwer, AR, 2003.**

Brand/Hybrid	Yield bu/A	2-Year	3-Year <sup>1</sup>	Grain			Plants/ Acre	Ear Ht. in.
		Avg. bu/A	Avg. bu/A	Moist %	Root Lodg.	Stalk Lodg.		
<u>Early- to Mid-Season Hybrids</u>								
Pioneer Brand 32R25	183.2	192.0	.	16.8	0.0	0.0	33024	40
Pioneer 31G98	173.5	197.1	183.1	16.5	0.0	0.5	33454	32
Pioneer Brand 33M54	171.9	.	.	17.7	0.0	0.0	35346	31
Genesis 3214YG	153.4	.	.	18.1	0.3	0.8	32508	27
NK Brand N70-T9	151.2	.	.	17.5	0.0	0.0	31648	22
Dyna Gro CX03615	150.1	.	.	18.3	0.0	1.0	33024	26
DEKALB DKC64-11RR/YGCB	150.0	168.9	.	16.4	0.0	0.0	34572	28
Terral TVX25BR023	148.2	.	.	18.5	0.0	1.0	34400	27
Terral TV2160 Bt	146.5	161.0	159.1	17.1	0.0	0.0	33884	26
Dyna Gro CX03515	145.5	.	.	18.5	0.0	0.0	33024	23
Pioneer Brand 32W86	142.6	168.0	.	16.5	0.0	2.3	29928	31
Dyna Gro 5528Bt	139.1	.	.	16.6	0.0	0.0	28380	18
USG/BG Bt1150	139.0	.	.	17.9	0.0	1.8	32938	30
Garst 8350YG1	137.1	.	.	16.2	0.0	0.8	30530	22
Triumph 1120BtRR	136.2	163.0	.	16.2	0.0	0.0	29928	30
Terral TVX25BR013	133.4	.	.	17.0	0.0	0.0	31820	26
Pioneer Brand 33P67YGCB	131.3	.	.	18.1	0.3	0.0	34658	22
Golden Acres X-6309Bt	130.6	.	.	16.9	0.0	0.0	33024	23
Dyna Gro 57K14	130.4	.	.	16.6	0.0	0.0	35260	28
Horizon 7439CL	129.5	.	.	16.6	0.0	0.0	31648	23
Triumph 1416Bt	129.5	.	.	17.2	0.0	0.0	34572	25
Genesis 3215RR	128.0	.	.	17.4	0.3	0.3	35518	23
DEKALB DKC61-42	127.8	.	.	15.7	0.0	1.3	34056	23
Golden Harvest H-9480	127.4	.	.	17.0	0.0	0.3	30272	35
Belle 1130Y	127.2	.	.	19.2	0.0	1.5	30702	26
Terral TVX25B023	126.6	.	.	18.2	0.0	0.8	31906	26
Golden Harvest H-9148Bt	126.0	.	.	16.3	0.0	0.8	32508	30
Horizon 7380Bt	125.9	.	.	17.0	0.0	0.0	32336	25
NK Brand N72-J5	125.4	.	.	17.5	0.0	0.0	34830	22
Golden Harvest H-8906	123.7	.	.	16.5	0.0	0.0	31390	17
Golden Harvest H-9498Bt	123.1	.	.	16.0	0.0	0.0	32766	22
Golden Acres 2850RR	122.5	.	.	16.1	0.0	0.5	32336	27
Belle 1430Y	122.3	.	.	17.0	0.0	0.5	31734	28
Golden Acres 2828RR	121.9	.	.	17.0	0.3	0.0	33196	25
Terral TVX26B013	121.9	.	.	18.1	0.0	1.0	34916	24
DEKALB DKC63-24RR/YGCB	121.6	.	.	16.7	0.0	0.0	33454	24
NK Brand N67-T4	121.5	.	.	17.6	0.0	0.0	29756	26
Croplan Genetics 691Bt	121.4	161.0	.	17.3	0.0	0.0	33626	27
USG/BG Bt1152	121.3	.	.	18.4	0.3	0.0	25542	21
Belle 1240RY	119.7	.	.	17.2	0.0	0.3	32508	27
Terral TV25B30	117.3	.	.	17.9	0.0	0.0	33970	22
DEKALB DKC63-79YGCB	116.8	.	.	16.3	0.0	0.0	31046	22
Genesis 2D14RR	115.3	.	.	17.1	0.3	0.0	31562	27
Terral TV26B23	113.1	.	.	18.1	0.0	0.0	33970	28

**Table 12. Performance of Irrigated Corn Hybrids, Rohwer, AR, 2003, Continued.**

Brand/Hybrid	Yield	2-Year	3-Year <sup>1</sup>	Grain	Root	Stalk	Plants/	Ear
	bu/A	Avg. bu/A	Avg. bu/A	Moist %	Lodg.	Lodg.	Acre	Ht. in.
<u>Early- to Mid-Season Hybrids Continued</u>								
Terral TV24R10	111.8	.	.	17.7	0.0	0.3	39044	25
Terral TV2140	111.5	157.8	154.8	15.8	0.0	0.0	34314	26
Terral TVX20C03	110.1	.	.	16.1	0.0	1.8	34658	25
ZEX 2211R	109.9	.	.	17.0	0.0	0.3	27684	26
Genesis 2D14C	108.8	.	.	16.1	0.0	1.3	27692	30
Terral TVX26C013	108.0	.	.	17.8	0.0	0.3	36292	29
Belle 1540RY	107.3	.	.	16.8	0.0	0.5	29584	26
FFR 736 Bt	106.1	151.8	.	16.7	0.0	1.3	34400	28
Belle 1420R	105.7	.	.	18.6	0.0	0.0	31648	30
ZEX 4444C	104.9	.	.	18.8	0.0	0.0	30014	25
Terral TVX22R013	103.6	.	.	16.5	0.3	0.0	31820	20
Terral TVX25B013	103.4	.	.	17.0	0.0	0.8	32336	29
Dyna Gro CX03914	100.5	.	.	17.3	0.0	0.0	33798	23
Terral TV2130	95.7	152.4	150.5	16.6	0.0	0.0	33024	22
Golden Acres 8112	94.0	.	.	17.0	0.0	1.0	29154	25
Terral TV2155 Bt	93.1	144.4	.	17.1	0.0	0.3	33712	30
Terral TV26BR10n	88.5	149.2	.	17.0	0.0	0.0	33196	24
ZEX 1122C	88.3	.	.	16.4	0.0	1.3	28294	24
Terral TV23R15n	87.4	143.1	.	16.2	0.0	0.0	34314	26
DEKALB DKC60-19RR/YGCB	87.3	.	.	16.6	0.0	0.0	35948	14
Belle 1510C	86.8	.	.	16.3	0.0	0.0	31132	34
Terral TVX21C03	85.3	.	.	19.3	0.0	0.0	33970	29
Terral TVX23C03	84.1	.	.	16.5	0.0	1.8	34142	29
Terral TVX24R013	79.3	.	.	15.9	0.0	0.8	34572	23
ZEX 1255C	78.5	.	.	18.0	0.0	0.5	28552	23
Terral TV2140nRR	75.6	137.6	.	16.0	0.0	0.8	32680	23
Belle 1520R	62.7	.	.	16.3	0.0	0.0	32336	22
Grand mean	119.0	.	.	17.1	.	0.4	32532	26
LSD (5%)	17.7	.	.	1.0	.	.	3428	.
C.V. (%)	10.7	.	.	4.4	.	.	8	.

**Table 12. Performance of Irrigated Corn Hybrids, Rohwer, AR, 2003, Continued.**

Brand/Hybrid	Yield bu/A	2-Year	3-Year <sup>1</sup>	Grain			Plants/ Acre
		Avg. bu/A	Avg. bu/A	Moist %	Root Lodg.	Stalk Lodg.	
<u>Mid- to Full-Season Hybrids</u>							
Garst 8288	142.0	158.6	.	17.7	0.0	0.3	2941222
Garst 8230IT	136.7	173.6	.	17.5	0.0	0.5	2743424
Pioneer Brand 32D99	135.3	.	.	18.2	0.5	1.3	2932627
Pioneer Brand32P76YGCB	131.9	173.2	153.2	17.5	0.0	0.0	3216429
FFR 849CL	130.9	.	.	17.3	0.0	0.0	2967026
DEKALB DKC69-71RR/YGCB	129.5	.	.	18.7	0.0	0.0	3225030
Horizon 7470Bt	121.2	.	.	17.3	0.0	0.0	2829423
DEKALB DK697	118.7	.	.	17.7	0.0	0.8	3173427
Genesis 2A16RR	117.3	.	.	17.0	0.0	1.0	3465831
Triumph 1866 Bt	115.9	140.4	145.6	17.0	0.0	0.3	3345427
Genesis 2B16TR	112.9	.	.	16.7	0.0	0.0	3156222
Dyna Gro 5515	111.1	148.7	.	15.9	0.0	0.0	3199224
FFR 900Bt	110.1	.	.	17.0	0.0	1.8	3164822
Croplan Genetics 818Bt	108.0	146.7	143.5	17.0	0.0	0.0	3190624
Pioneer Brand 31G66	106.5	.	.	17.4	0.0	0.3	3027226
Dyna Gro 58K15	106.1	.	.	16.3	0.0	1.0	3027222
DEKALB DKC68-70YG	105.1	137.2	.	18.3	0.0	0.0	2743426
Genesis 2A16YG	100.8	.	.	16.7	0.0	1.0	3379826
Southern States 753BtCl	98.7	.	.	16.9	0.0	0.0	3104627
Dyna Gro 57K66	95.1	.	.	16.8	0.3	0.8	3207823
Golden Acres 2995RR	83.3	.	.	17.7	0.0	0.8	2709029
Garst ND200YG1	80.0	.	.	18.1	0.0	0.8	2906826
Grand mean	113.5	.	.	17.3	0.0	0.5	3075326
LSD (5%)	18.5	.	.	0.9	.	.	3657
C.V. (%)	11.7	.	.	3.8	.	.	8

<sup>1</sup> Three year averages were calculated from the years 2000, 2002, and 2003.

Soil Series.....Sharkey desha silt loam

Previous Crop.....Soybean

Row Width.....38 inches

Preplant Herbicide.....None

Preplant Fertilizer.....200 lbs./A 0-60-90, 3-27-03

Planting Date.....3-31-03

Irrigation Dates.....5-30, 6-24, 7-01, 7-08, 7-15, 7-28

Sidedress Fertilizer.....110 lbs./A Urea (46%), 4-23-03, 330 lbs./A Urea (46%), 5-13-03

Postemergence Herbicide.....1.0 pt./A Dual Magnum II, 4-03-03, 0.66 oz./A Accent + 1.33 oz./A Permit, 4-22-03

Insecticide Application..... None

Harvest Date.....Early- to mid-season hybrids: 8-28-03

Mid- to full-season: 8-28-03

Precipitation (inches)

	April	May	June	July	August	Total
2003	2.7	9.7	5.4	2.4	1.3	21.5
Average	5.0	4.7	3.5	3.9	2.7	19.8
Departure	-2.3	+5.0	+1.9	-1.5	-1.4	+1.7

**Table 13. Performance of Irrigated Corn Hybrids, Williams Farm, Lafayette Co., AR, 2003.**

Brand/Hybrid	Yield bu/A	2-Year	3-Year <sup>1</sup>	Grain			Plants/ Acre	Ear Ht. in.	Test Wt. lbs.
		Avg. bu/A	Avg. bu/A	Moist %	Root Lodg.	Stalk Lodg.			
<u>Early- to Mid-Season Hybrids</u>									
Pioneer 31G98	231.4	218.3	203.3	13.3	0.0	1.5	32982	47	58.7
Pioneer Brand 33M54	229.0	.	.	14.4	0.4	0.8	35304	40	61.0
Pioneer Brand 32W86	223.3	234.4	.	13.4	0.5	0.8	29559	51	59.1
Dyna Gro 5528Bt	222.0	.	.	12.8	0.0	1.9	29104	36	56.6
Pioneer Brand 33P67YGCB	218.1	.	.	13.9	0.0	0.4	34889	36	59.8
Terral TVX25B023	217.8	.	.	13.3	0.0	1.0	32126	36	57.0
Golden Harvest H-9498Bt	216.3	.	.	12.6	0.0	2.5	29170	46	57.5
Genesis 3215RR	212.0	.	.	13.1	0.0	0.0	34927	36	58.5
Terral TV2130	211.3	217.5	190.2	12.4	0.3	2.0	33760	56	55.8
Terral TVX25BR023	210.8	.	.	12.9	0.3	1.5	33838	36	57.8
Dyna Gro CX03914	210.7	.	.	13.5	0.5	1.0	31893	36	56.5
Belle 1130Y	210.0	.	.	13.4	0.0	0.3	33060	35	57.4
Croplan Genetics 691Bt	209.4	213.0	.	12.5	0.0	0.0	33293	40	56.8
Terral TV24R10	208.8	198.1	.	14.4	0.0	1.8	36237	44	61.7
USG/BG Bt1150	208.6	.	.	13.4	0.0	0.3	32982	34	58.5
DEKALB DKC63-24RR/YGCB	208.6	.	.	13.0	0.0	0.8	31426	47	57.9
Terral TV2160 Bt	207.4	210.4	194.1	13.6	0.4	3.1	35822	49	59.2
Golden Acres 8112	207.3	.	.	13.1	1.5	3.5	33838	50	57.4
Terral TV23R15n	206.6	204.5	.	12.5	0.0	0.4	35279	50	57.5
FFR 736 Bt	206.5	218.4	199.2	13.3	0.0	1.8	31348	38	58.5
Dyna Gro CX03515	206.2	.	.	13.6	0.0	0.5	31115	38	55.8
Genesis 2D14RR	205.8	.	.	13.0	0.0	1.0	34149	50	57.3
Belle 1240RY	204.8	.	.	12.8	0.0	0.0	35004	35	56.4
Terral TVX25BR013	204.7	.	.	13.3	0.0	0.3	29870	51	58.1
Triumph 1416Bt	204.4	.	.	12.9	0.0	0.5	31193	38	57.4
Belle 1540RY	203.8	.	.	12.9	0.0	0.0	30259	41	57.1
Garst 8350YG1	203.3	.	.	13.5	1.0	0.1	30492	27	57.0
Dyna Gro 57K14	201.7	.	.	12.8	0.0	0.4	34864	34	56.6
Terral TV26B23	199.4	.	.	14.2	0.0	1.0	31348	49	60.0
Genesis 3214YG	197.3	.	.	12.9	0.3	1.0	33852	45	58.0
Golden Harvest H-8906	197.2	.	.	12.7	0.0	0.3	30819	36	56.7
Horizon 7380Bt	197.1	.	.	12.5	0.0	1.0	30960	30	57.4
NK Brand N70-T9	196.9	.	.	13.3	0.0	0.0	34382	30	58.4
Terral TVX26B013	195.5	.	.	14.1	0.8	0.0	31155	48	58.1
Terral TV25B30	194.8	.	.	14.3	0.0	1.3	35238	50	61.8
Belle 1430Y	194.3	.	.	14.1	0.0	1.3	30104	52	60.6
Terral TV26BR10n	193.3	199.8	.	13.0	0.5	0.5	34889	39	58.3
Dyna Gro CX03615	192.2	.	.	12.6	0.0	1.1	30014	38	56.6
Terral TVX23C03	192.2	.	.	13.4	0.0	6.4	32790	52	57.7
Terral TVX25B013	191.5	.	.	13.3	0.3	1.5	30182	44	58.9
Pioneer Brand 32R25	191.5	199.8	.	13.7	0.8	1.5	30571	47	58.8
Terral TVX24R013	191.4	.	.	12.9	1.5	2.5	35093	47	56.4
Genesis 2D14C	191.3	.	.	12.5	0.0	0.0	28781	40	57.9
Terral TV2155 Bt	191.1	190.9	171.9	13.5	0.5	1.3	28044	46	57.7



**Table 13. Performance of Irrigated Corn Hybrids, Williams Farm, Lafayette Co., AR, 2003, Continued.**

Brand/Hybrid	Yield bu/A	2-Year	3-Year <sup>1</sup>	Grain			Plants/ Acre	Ear Ht. in.	Test Wt. lbs.
		Avg. bu/A	Avg. bu/A	Moist %	Root Lodg.	Stalk Lodg.			
<u>Early- to Mid-Season Hybrids Continued</u>									
Golden Harvest H-9480	190.4	.	.	13.1	0.3	2.0	28392	47	58.5
Terral TVX26C013	189.7	.	.	13.4	0.0	1.5	31582	41	58.1
Golden Acres X-6309Bt	188.8	.	.	12.6	0.5	1.8	31893	51	56.1
Golden Acres 2850RR	188.2	.	.	12.9	0.3	0.8	30570	50	57.3
DEKALB DKC63-79YGCB	187.7	.	.	13.6	0.0	0.3	33915	38	59.8
Golden Acres 2828RR	187.1	.	.	12.6	0.0	0.3	31504	37	57.4
NK Brand N72-J5	186.3	.	.	12.8	0.8	1.8	30865	37	56.6
ZEX 1255C	185.7	.	.	14.0	0.0	1.0	29015	50	59.7
USG/BG Bt1152	185.7	.	.	13.1	0.0	0.0	26676	37	57.2
Belle 1420R	185.1	.	.	14.3	0.0	1.5	32360	46	60.5
Terral TV2140nRR	184.4	196.5	.	12.6	0.0	5.0	33137	43	57.2
Terral TV2140	183.6	194.1	175.4	12.6	0.3	5.4	33620	45	56.2
DEKALB DKC61-42	183.1	.	.	13.2	0.0	0.8	28087	36	57.4
Terral TVX22R013	179.7	.	.	12.7	0.8	1.5	32904	42	57.5
Terral TVX20C03	178.2	.	.	12.6	0.0	0.8	29015	43	57.4
Golden Harvest H-9148Bt	178.2	.	.	12.7	0.3	0.0	30415	40	55.8
DEKALB DKC60-19RR/YGCB	177.8	.	.	13.3	0.3	0.3	34681	28	58.2
Terral TVX21C03	177.7	.	.	14.6	0.0	1.3	29559	47	60.8
NK Brand N67-T4	177.5	.	.	13.1	0.3	0.0	31659	33	58.4
Belle 1520R	176.1	.	.	12.8	0.0	3.4	30014	49	56.4
ZEX 4444C	176.1	.	.	14.9	0.0	3.8	28242	42	61.1
DEKALB DKC64-11RR/YGCB	175.9	200.7	.	12.5	0.0	0.0	32515	38	58.3
Triumph 1120BtRR	174.5	181.6	.	13.2	0.0	0.8	31593	34	57.5
ZEX 2211R	174.0	.	.	12.8	0.0	2.4	27422	38	58.9
Belle 1510C	170.6	.	.	12.5	0.5	4.8	28781	42	56.0
Horizon 7439CL	163.4	.	.	12.7	0.0	0.8	30576	44	57.5
ZEX 1122C	162.5	.	.	13.3	0.0	0.3	28937	46	57.9
Grand mean	195.6	.	.	13.2	0.2	1.3	31746	42	58.0
LSD (5%)	30.1	.	.	0.5	.	.	4165	.	.
C.V. (%)	11.1	.	.	2.8	.	.	9	.	.

**Table 13. Performance of Irrigated Corn Hybrids, Williams Farm, Lafayette Co. , AR, 2003, Continued.**

Brand/Hybrid	Yield bu/A	2-Year	3-Year <sup>1</sup>	Grain			Plants/ Acre	Ear Ht. in.	Test Wt. lbs.
		Avg. bu/A	Avg. bu/A	Moist %	Root Lodg.	Stalk Lodg.			
<b>Mid- to Full-Season Hybrids</b>									
DEKALB DKC69-71RR/YGCB	232.8	.	.	14.0	0.0	0.5	31115	41	58.6
Pioneer Brand 32D99	227.8	.	.	13.6	0.8	0.5	26059	46	56.0
Horizon 7470Bt	219.6	.	.	12.2	0.0	0.9	26572	45	55.2
FFR 900Bt	217.9	.	.	12.2	0.8	1.8	27226	41	56.4
Croplan Genetics 818Bt	212.0	217.1	188.2	13.3	0.0	0.3	28859	38	56.5
Garst 8230IT	211.1	213.1	.	12.5	0.0	0.0	25981	44	55.6
DEKALB DK697	208.7	.	.	13.6	0.0	2.5	29248	44	58.3
Pioneer Brand 31G66	208.4	.	.	13.1	0.0	0.8	30648	41	57.4
Genesis 2A16RR	208.4	.	.	12.6	0.0	3.8	29248	46	56.8
FFR 849CL	204.4	.	.	12.2	0.3	0.8	26681	40	55.1
Pioneer Brand 32P76YGCB	203.6	221.0	200.5	12.2	0.0	0.5	25514	39	55.7
Garst 8288	203.0	209.0	185.1	13.2	0.0	0.6	23102	45	57.6
Dyna Gro 58K15	202.5	.	.	12.3	0.0	1.6	26006	41	56.3
DEKALB DKC68-70YG	201.1	211.9	184.5	13.1	0.0	0.5	28237	49	57.9
Southern States 753BtCl	200.9	.	.	12.7	0.0	2.3	26915	46	57.7
Triumph 1866 Bt	199.6	197.8	176.7	12.9	0.3	2.0	28081	46	57.7
Garst ND200YG1	199.0	.	.	14.1	0.0	0.4	24098	43	58.1
Genesis 2B16TR	198.5	.	.	12.5	0.0	0.3	29170	40	57.6
Genesis 2A16YG	198.1	.	.	12.6	0.3	2.8	29792	47	57.2
Dyna Gro 5515	193.8	197.2	187.4	12.1	0.0	1.3	27303	42	55.6
Golden Acres 2995RR	186.1	.	.	13.1	0.0	6.3	27692	46	56.7
Dyna Gro 57K66	176.1	.	.	12.4	0.0	0.3	26448	44	56.7
Grand mean	205.2	.	.	12.8	0.1	1.4	27454	43	56.8
LSD (5%)	25.3	.	.	0.4	.	.	4267	.	.
C.V. (%)	8.6	.	.	2.3	.	.	11	.	.

Previous Crop..... Corn  
 Row Width.....40 inches  
 Preplant Herbicide..... None  
 Preplant Fertilizer.....187 lbs./A Mixture, 8.5 N, 13.0 P, 33.3 K, 3.9 S, 10-01-02  
 Planting Date.....3-17-03  
 Irrigation Dates.....4-30-03, 5-01-03  
 Sidedress Fertilizer.....54 gal./A 32% N, 3-29-03, 100 lbs./A Ammonium Nitrate  
 Postemergence Herbicide.....14 oz./A Basis Gold, 4-18-03  
 Harvest Date.....Early- to mid-season hybrids: 8-28-03  
   Mid- to full-season: 8-28-03

**Participants and Entries  
2003 Grain Sorghum Test**

<u>Company</u>	<u>Hybrid</u>
Croplan Genetics 8073 Cinders Road Bartlett, TN 38133	Croplan Genetics 514
FFR Seed 969 Cloverleaf Drive Southaven, MS 38671	FFR 318 FFR 322
Garst Seed Company 761 Walnut Knoll Lane, Suite 200 Cordova, TN 38018	Garst 5440 Garst 5515 Garst 5624
Golden Acres Genetics P. O. Box 579 Buchanan Dam, TX 78609	Golden Acres 3694 Golden Acres 444E Golden Acres X-2027
Golden Harvest Seeds P. O. Box 248 Pekin, IL 61555-0248	Golden Harvest H-502 Golden Harvest H-512
Monsanto Company 982 U.S. Highway 77 Bishop, TX 78343	ASGROW A571 DEKALB DKS53-11 DEKALB DKS54-00 Monsanto X204 Monsanto X234
Pioneer, A DuPont Company 6767 Old Madison Pike, Suite 110 Huntsville, AL 35806	Pioneer Brand 83G15 Pioneer Brand 83G66 Pioneer Brand 84G62
Southern States Coop. 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 TV93S72 Terral TV9421 Terral TV96H81 Terral TV97H17 Terral TVX93S16 Terral TVX94S34 Terral TVX95S201 Terral TVX95S25 Terral TVX96H202 Terral TVX96H23

**Participants and Entries  
2003 Grain Sorghum Test**

Triumph Seed Co., Inc.  
P. O. Box 1050  
Ralls, TX 79357

Triumph TR459  
Triumph TR461  
Triumph TR82-G

UAP MidSouth  
57 Germantown Court  
Suite 200  
Cordova, TN 38018

Dyna Gro 732B  
Dyna Gro 751B  
Dyna Gro 762B  
Dyna Gro 780B  
Dyna Gro X1738  
Dyna Gro X1754  
Dyna Gro X17F90

**Participants and Entries  
2003 Corn Tests**

Belle Southern Hybrids  
P. O. Box 178  
Fisher, AR 72429

Belle 1130Y  
Belle 1240RY  
Belle 1420R  
Belle 1430Y  
Belle 1510C  
Belle 1520R  
Belle 1540RY  
ZEX 1122C  
ZEX 1255C  
ZEX 2211R  
ZEX 4444C

Croplan Genetics  
8073 Cinders Road  
Bartlett, TN 38133

Croplan Genetics 691Bt  
Croplan Genetics 818Bt

FFR Seed  
969 Cloverleaf Drive  
Southaven, MS 38671

FFR 736Bt  
FFR 849CL  
FFR 900Bt

Garst Seed Company  
761 Walnut Knoll Lane  
Suite 200  
Cordova, TN 38018

Garst 8350YG1  
Garst 8230IT  
Garst 8288  
Garst ND200YG1

Genesis Brand Seed  
P. O. Box 21085  
Lansing, MI

Genesis 2A16RR  
Genesis 2A16YG  
Genesis 2B16TR  
Genesis 2D14C  
Genesis 2D14RR  
Genesis 3214YG  
Genesis 3215RR

**Participants and Entries**  
**2003 Corn Tests**

Golden Acres Genetics  
P. O. Box 579  
Buchanan Dam, TX 78609

Golden Acres 2828RR  
Golden Acres 2850RR  
Golden Acres 2995RR  
Golden Acres 8112  
Golden Acres X6309Bt

Golden Harvest  
P. O. Box 248  
Pekin, IL 61554

Golden Harvest H-8906  
Golden Harvest H-9148Bt  
Golden Harvest H-9480  
Golden Harvest H-9498Bt

Horizon Genetics, LLC  
P. O. Box 31  
Mason City, IL 62664

Horizon 7380Bt  
Horizon 7439CL  
Horizon 7470Bt

Monsanto  
3100 Sycamore Road  
DeKalb, IL 60115

DEKALB DKC60-19RR/YGCB  
DEKALB DKC61-42  
DEKALB DKC63-24RR/YGCB  
DEKALB DKC63-79YGCB  
DEKALB DKC64-11RRYG  
DEKALB DKC68-70YG  
DEKALB DKC69-71RR/YGCB  
DEKALB DK697

Pioneer, A DuPont Company  
6767 Old Madison Pike  
Suite, 110  
Huntsville, AL 35806

Pioneer Brand 31G66  
Pioneer Brand 31G98  
Pioneer Brand 32R25  
Pioneer Brand 32W86  
Pioneer Brand 32D99  
Pioneer Brand 32P76YGCB  
Pioneer Brand 33M54  
Pioneer Brand 33P67YGCB

Southern States Coop.  
P. O. Box 26234  
Richmond, VA 23260

Southern States SS 753BtCl

Syngenta Seeds, Inc.  
P. O. Box 180  
Marmaduke, AR 72443

NK Brand N67-T4  
NK Brand N70-T9  
NK Brand N72-J5

**Participants and Entries**  
**2003 Corn Tests**

Terral Seed, Inc.  
P. O. Box 826  
Lake Providence, LA 71254

Terral TV2130  
Terral TV2140  
Terral TV2140nRR  
Terral TV2155Bt  
Terral TV2160Bt  
Terral TV23R15n  
Terral TV24R10  
Terral TV25B30  
Terral TV26B23  
Terral TV26BR10n  
Terral TVX20C03  
Terral TVX21C03  
Terral TVX22R013  
Terral TVX23C03  
Terral TVX24R013  
Terral TVX25B013  
Terral TVX25B023  
Terral TVX25BR013  
Terral TVX25BR023  
Terral TVX26B013  
Terral TVX26C013

Triumph Seed Co., Inc.  
P. O. Box 1050  
Ralls, TX 79357

Triumph 1120BtRR  
Triumph 1416Bt  
Triumph 1866Bt

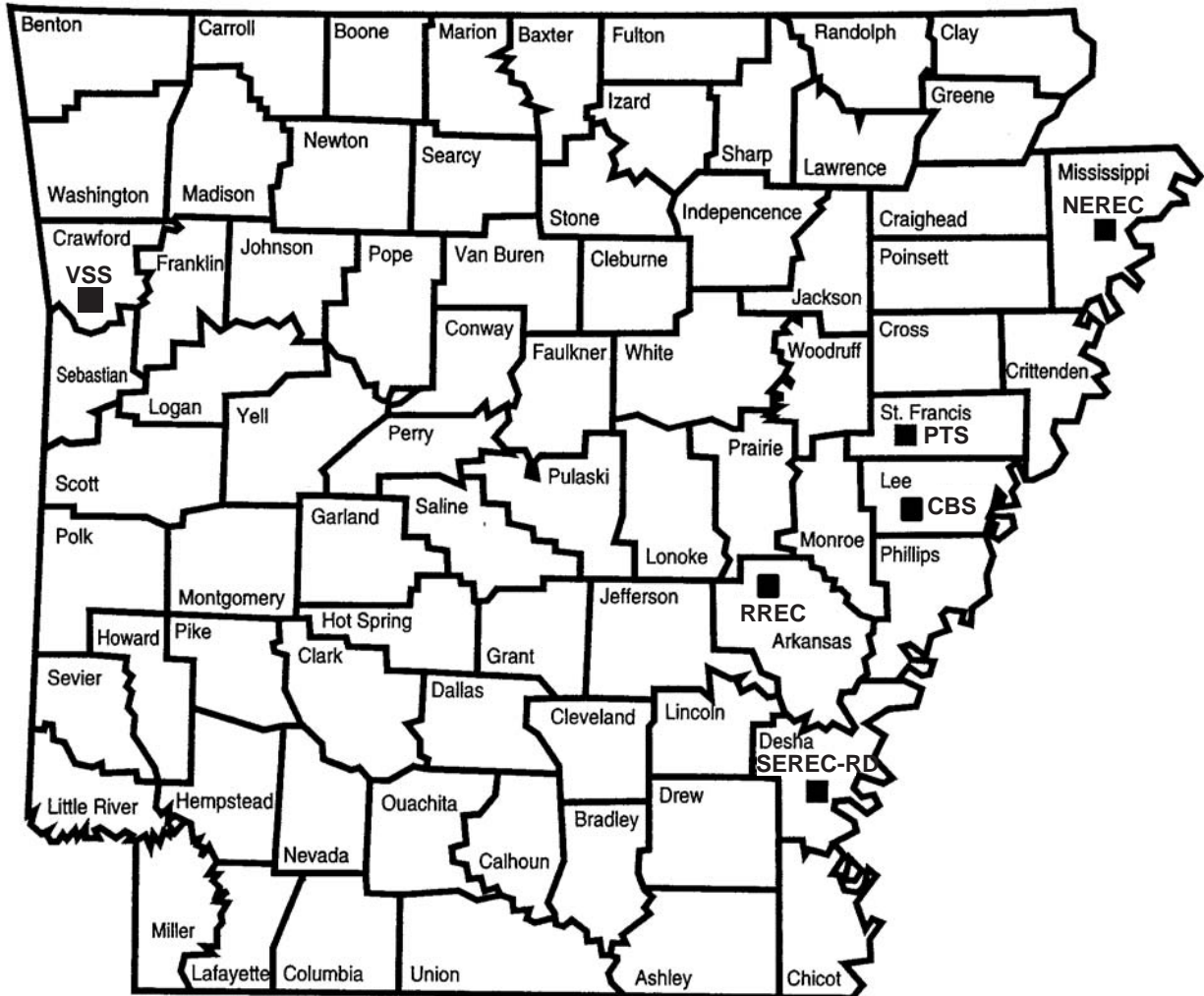
UAP MidSouth  
57 Germantown Court  
Suite 200  
Cordova, TN 38018

Dyna Gro 5528Bt  
Dyna Gro 57K14  
Dyna Gro 57K66  
Dyna Gro 58K15  
Dyna Gro 5515  
Dyna Gro CX03515  
Dyna Gro CX03615  
Dyna Gro CX03914

UniSouth Genetics, Inc.  
2640-C Nolensville Road  
Nashville, TN 37211

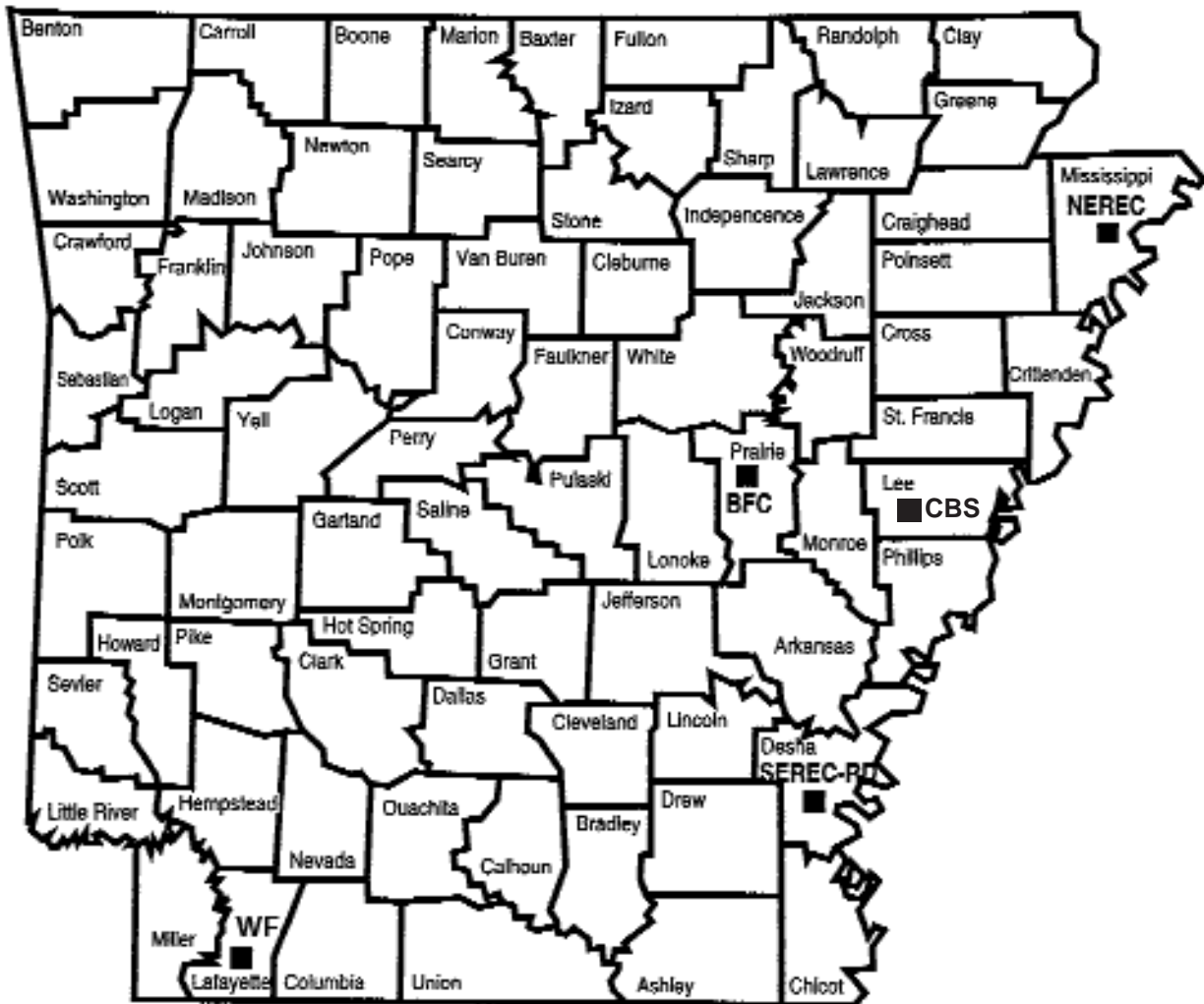
USG/BG Bt1150  
USG/BG Bt1152

# GRAIN SORGHUM TEST LOCATIONS



- NEREC** Northeast Research and Extension Center, Keiser, Arkansas
- PTS** Pine Tree Station, Colt, Arkansas
- SEREC-RD** Southeast Research and Extension Center-Rohwer Division, Rohwer, Arkansas
- CBS** Cotton Branch Station, Marianna, Arkansas
- RREC** Rice Research and Extension Center, Stuttgart, Arkansas
- VSS** Vegetable Substation, Kibler, Arkansas

## CORN TEST LOCATIONS



- |          |   |
|----------|---|
| NEREC    | Northeast Research and Extension Center, Keiser, Arkansas                 |
| BFC      | Bell Farming Company, Des Arc, Arkansas                                   |
| SEREC-RD | Southeast Research and Extension Center-Rohwer Division, Rohwer, Arkansas |
| WF       | Williams Farm, Gin City, Arkansas   |
| CBS      | Cotton Branch Station, Marianna, Arkansas                                 |



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