

Gulf Coast Sorghum Hybrid Performance Trials



2008

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2008
Gulf Coast Sorghum Hybrid Performance Trials

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist
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Variety selection is the most important decision made during the year. Unlike herbicide or insecticide decisions that can be changed during the season to address specific conditions and pests, variety selection is made only once and that selection will dictate the management of that field for the entire season. Select sorghum hybrids on proven performance records, not solely on the recommendation of your local seed dealer. A hybrid with demonstrated superior yielding ability across multiple locations and/or years is likely the one that will perform consistently on your farm.

To assist producers with variety selection, trials are conducted annually in counties located throughout the Gulf Coast region. Testing hybrids across many locations and/or years exposes them to a diversity of growing environments such as may occur on your farm over many years. We believe this approach provides a good foundation of information that can be utilized to begin the decision making process for the upcoming season. If possible, do not rely on results from a single location in a single year. There is no guarantee that conditions will be similar in future years or at other locations. Each year review as many public and private tests within your region as possible before making a decision.

In 2008, eleven trials were conducted throughout the region. Trials were located in Kleberg, Nueces (2), San Patricio, Refugio, Calhoun, Victoria, Matagorda, Wharton, Brazoria and Wilson counties. All locations were given a core set of varieties (Table 1) to maintain some uniformity, however, at the discretion of the producer some locations added varieties from companies that did not choose to participate at the beginning of the season. Seed companies selected fuller season hybrids for county entries located in the Upper Coast region compared to the Lower Coast region simply because of the potential for more moisture availability. Also included in this report are two current year summaries (pages 5 and 6) that combine the yield results for counties located in the lower and upper coast. Counties that were missing one or more of the core set of varieties entered were not included in the two combined summary reports.

Table 1, 2, and 3 in the following pages list participating seed companies and hybrids entered by county, participating Extension agents and producers, and pertinent trial information for each location, respectively.

Also included on the last two pages are results of the Gregory and Danevang Sorghum Performance Tests conducted by Dennis R. Pietsch, Research Associate, Texas AgriLife Research, College Station, Texas.

Table 1. Participating seed companies and hybrids entered by county.

Company	Hybrid	County
Asgrow	A571	Calhoun, Kleberg, Matagorda, Nueces, Refugio, San Patricio, Victoria, Wharton, and Wilson
BH Genetics	BH3822	Kleberg, Nueces, Refugio, San Patricio, and Wilson
DeKalb	DKS37-07	Kleberg, Nueces, Refugio, San Patricio, and Wilson
DeKalb	DKS54-00	Calhoun, Matagorda, Victoria, and Wharton
Dynagro	772B	Calhoun, Matagorda, Victoria, and Wharton
Garst	5464	Kleberg, Nueces, Refugio, and San Patricio
Garst	5401	Calhoun, Matagorda, Victoria, and Wharton
Golden Acres	3545	Kleberg, Nueces, Refugio, San Patricio, and Wilson
NC+	NC+ 8R18	Calhoun, Nueces, Matagorda, San Patricio, Victoria, and Wharton
NC+	NC+ 7R83	Kleberg, Nueces, Refugio, San Patricio, and Wilson
Sorghum Partners	NK7633	Kleberg, Nueces, Refugio, San Patricio, and Wilson
Sorghum Partners	NK8831	Brazoria, Calhoun, Matagorda, Victoria, and Wharton
Sorghum Partners	NK7829	Brazoria, Calhoun, Matagorda, Victoria, and Wharton

Table 2. Participating Extension agents and producers.

County	Town	Extension Agent	Producer
Kleberg	Kingsville	John E. Ford	David Schubert
Nueces	Robstown	Jeff Stapper	Larry and Donnie McNair
Nueces	Robstown	Jeff Stapper	Meany Annex
San Patricio	Sinton	Duane Campion	Nick Pinkston
Refugio	Refugio	Jerry Gray II	Kenneth Steindorf
Calhoun	Port Lavaca	Phoenix Rogers	Sam Nunley
Victoria	Victoria	Joe Janak	Marshall Lange
Matagorda	Bay City	Brent Batchelor	Zernicek Farms
Wharton	Wharton	Peter McGuill	Dean Hansen
Wilson	Floresville	Charles Pfluger	Raymond and Larry Wiatrek
Brazoria	Angleton	Corrie Bowen	TDC Darrington Farm Prison Unit

Table 3. 2008, county, planting date, harvest date, row spacing, plot dimensions, area harvested, and harvest method.

County	Planting Date	Harvest Date	Row Spacing	Plot Dimensions	Area Harvested/Plot	Harvest Method	Replicated
Kleberg	March 11	July 8	38 inches	4 rows x 1320 ft	1000 th /acre-3x	hand	no
Nueces- McNair	February 21	June 23	30 inches	5 rows x 977 ft	5 rows by 977 ft	machine	no
Nueces-Meany	March 14	June 26	38 inches	4 rows x 35 ft	1000 th /acre	hand	yes-4x
San Patricio	February 29	July 16	26 inches	5 rows x 550 ft	5 rows x 460 ft	machine	no
Refugio	March 4	July 10	38 inches	12 rows x 2640 ft	12 rows x 564 ft	machine	no
Calhoun	March 25	July 13	40 inches	6 rows by 1839 ft	6 rows by 1839 ft	machine	no
Victoria	March 24	July 19	38 inches	12 rows by 1767 ft	12 rows x 654 ft	machine	no
Matagorda	March 27	July 14	36 inches	8 rows x 600 ft	8 rows x 600 ft	machine	yes-3x
Wharton	March 25	July 8	40 inches	8 rows x 1046 ft	8 rows x 1046 ft	machine	yes-3x
Wilson	March 4	July 10	38 inches	6 rows x 1487 ft	6 rows x 1487 ft	machine	no
Brazoria	May 1	August 26	38 inches	12 rows x 530 ft	12 rows by 530 ft	machine	no

Kleberg, Refugio, Nueces, and San Patricio Counties Uniform Sorghum Hybrid Trials 2008-Combined Locations

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Kleberg	Refugio	Nueces (McNair)	San Patricio	Nueces (Meany)	Average¹
Golden Acres 3545	3084	5118	5299	4880	2906	4257
NC+ 7R83	2505	4767	5133	4972	3853	4246
BH Genetics 3822	2723	4855	5143	4576	3297	4119
DeKalb DKS37-07	2759	4551	4736	4751	3562	4072
Garst 5464	2502	5000	4717	4852	3242	4063
Sorghum Partners NK7633	2603	4264	4907	4934	2816	3905
Asgrow A571	2507	4428	4231	4632	3256	3811
Mean	2669	4712	4881	4800	3276	4068

¹Adjusted to 14% moisture.

Wharton, Matagorda, Calhoun, and Victoria Counties Uniform Sorghum Hybrid Trials 2008-Combined Locations
Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Wharton	Matagorda	Calhoun	Victoria	Average¹
NC+ 8R18	3581	4942	4618	5020	4540
DeKalb DKS54-00	3548	4589	4315	5067	4380
Sorghum Partners NK7829	3704	4836	4679	4264	4371
Asgrow A571	3544	3988	4599	5210	4335
Dynagro 772B	3385	4358	4401	5095	4310
Garst 5401	3442	4449	4102	4868	4215
Sorghum Partners NK8831	3153	4756	3808	4031	3937
Mean	3480	4560	4360	4794	4298

¹Adjusted to 14% moisture.

Kleberg County Sorghum Hybrid Trial, 2008

Cooperator: David Schubert

John E. Ford, County Extension Agent-Agriculture and Natural Resources, Kleberg County

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre¹
Golden Acres 3545	13.6	57.3	3084
DeKalb DKS37-07	13.3	56.0	2759
BH Genetics 3822	13.7	55.8	2723
Sorghum Partners NK7633	13.0	54.5	2603
Asgrow A571	13.2	55.2	2507
NC+ 7R83	13.3	54.7	2505
Garst 5464	13.3	55.7	2502
Mean	13.3	55.6	2669

¹ Adjusted to 14% moisture.

Planting Date: 3/11/08

Harvest Date: 7/8/08

Row spacing: 38 inches

Nueces County Sorghum Hybrid Trial, 2008

Cooperator: Larry and Donnie McNair

Jeffrey R. Stapper, County Extension Agent-Agriculture and Natural Resources, Nueces County

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Plant Pop. (acre)	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre ¹
Pioneer 84G62	33,333	15.9	62	5,575
Golden Acres 3545	37,670	14.7	62	5,299
BH Genetics 3822	46,500	17.2	59	5,143
NC+ 7R83	37,670	15.1	61	5,133
Sorghum Partners NK7633	36,333	15.0	62	4,907
DeKalb DKS37-07	47,000	15.0	62	4,736
Garst 5464	42,000	14.7	61	4,717
Asgrow A571	45,500	15.3	58	4,231
Mean	40,751	15.4	61	4,968

¹ Adjusted to 14% moisture.

Planting Date: 2/21/08

Harvest Date: 6/23/08

Row spacing: 30 inches

Nueces County Sorghum Hybrid Trial, 2008

Cooperator: Texas AgriLife Research and Extension Center Meany Annex Farm
Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Plant Pop. (1000)	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre ¹
NC+ 7R83	60.8 a	13.95 a	56.13 bcd	3853 a
NC+ 7B52	63.5 a	13.75 a	53.88 e	3783 a
Pioneer 83G19	56.8 a	13.83 a	57.13 abc	3698 a
Pioneer 85G85	53.8 a	13.55 a	58.26 a	3599 a
DeKalb DKS37-07	63.5 a	14.00 a	57.38 abc	3562 a
Triumph 458	57.0 a	13.60 a	55.63 cde	3347 a
BH Genetics 3822	55.5 a	13.65 a	56.88 abc	3297 a
Asgrow A571	52.3 a	13.88 a	56.25 bcd	3256 a
Garst 5464	54.5 a	13.65 a	56.38 bcd	3242 a
Pioneer 84G62	66.0 a	13.63 a	56.75 a-d	3194 a
NC+ 8R18	53.8 a	13.80 a	57.50 ab	3056 a
NC+ 7B70	57.0 a	13.60 a	55.75 bcd	3031 a
Golden Acres 3545	54.8 a	13.68 a	55.00 de	2906 a
Sorghum Partners NK7633	47.0 a	13.48 a	56.38 bcd	2816 a
Mean	56.9	13.72	56.39	3331
P>F	0.5435	0.3666	0.0036	0.4805
LSD (P=0.05)	NS	NS	1.809	NS
Standard Dev.	10.62	0.291	1.266	656.06
CV%	18.68	2.12	2.25	19.69

Means in a column followed by the same letter are not significantly different by ANOVA.

¹Adjusted to 14% moisture.

Planting date: 3/14/08

Harvest date: 6/26/08

Row spacing: 38 inches

Each variety was replicated four times in a RCB design.

San Patricio County Sorghum Hybrid Trial, 2008

Cooperator: Nick Pinkston

Duane Campion, County Extension Agent-Agriculture and Natural Resources, San Patricio
County

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre¹
NC+ 7R83	15.0	58.5	4972
Sorghum Partners NK7633	14.1	58.3	4934
Golden Acres 3545	15.1	58.0	4880
Garst 5464	14.6	60.3	4852
NC+ 8R18	15.0	59.3	4842
DeKalb DKS37-07	15.1	61.5	4751
Pioneer 83G19	14.8	58.0	4680
Asgrow A571	12.5	58.5	4632
BH Genetics 3822	10.0	64.0	4576
Triumph 458	16.2	50.8	3810
Mean	14.2	58.7	4693

¹ Adjusted to 14% moisture.

Planting Date: 2/29/08

Harvest Date: 7/16/08

Row spacing: 26 inches

Refugio County Sorghum Hybrid Trial, 2008

Cooperator: Kenneth Steindorf

Jerry D. Gray II, County Extension Agent-Agriculture and Natural Resources, Refugio County

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre ¹
Golden Acres 3545	15.8	58.0	5118
Garst 5464	15.7	58.5	5000
BH Genetics 3822	15.8	60.0	4855
NC+ 7R83	16.5	58.5	4767
Pioneer 84G62	15.5	59.5	4593
DeKalb DKS37-07	15.9	59.5	4551
Asgrow A571	16.2	57.5	4428
Sorghum Partners NK7633	16.3	58.0	4264
Mean	16.0	58.7	4697

¹Adjusted to 14% moisture.

Planting Date: 3/4/08

Harvest Date: 7/10/08

Row Spacing: 38 inches

Calhoun County Sorghum Hybrid Trial, 2008

Cooperator: Sam Nunley

Phoenix Rogers, County Extension Agent-Agriculture and Natural Resources, Calhoun County

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre ¹
Sorghum Partners NK7829	15.4	60	4679
NC+ 8R18	15.2	61	4618
Asgrow A571	15.0	57	4599
Dynagro 772B	14.8	59	4401
DeKalb DKS54-00	14.9	55	4315
Garst 5401	15.4	61	4102
Sorghum Partners NK8831	14.3	57	3808
Mean	15.0	58.6	4360

¹Adjusted to 14% moisture.

Planting Date: 3/25/08

Harvest Date: 7/13/08

Row Spacing: 40 inches

Victoria County Sorghum Hybrid Trial, 2008

Cooperator: Marshall Lange

Joe Janak, County Extension Agent-Agriculture and Natural Resources, Victoria County

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre¹
Pioneer 83G19	15	60	5310
Asgrow A571	13	59	5210
BH Genetics 5522	15	59	5119
Dynagro DG772B	15	58	5095
DeKalb DKS54-00	15	57	5067
NC+ 8R18	15	59	5020
Garst 5401	15	59	4868
Sorghum Partners NK7829	15	58	4264
Sorghum Partners NK8831	15	58	4031
Mean	14.8	58.6	4887

¹ Adjusted to 14% moisture.

Planting Date: 3/24/08

Harvest Date: 7/19/08

Row spacing: 38 inches

Matagorda County Sorghum Hybrid Trial, 2008

Cooperator: Zernicek Farms

Brent Batchelor, County Extension Agent-Agriculture and Natural Resources, Matagorda County

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre ¹
NC+ 8R18	13.40 a	60.50 a	4942 a
Sorghum Partners NK7829	13.17 a	59.20 a	4836 ab
Sorghum Partners NK8831	13.13 a	60.50 a	4756 ab
DeKalb DKS54-00	13.00 a	58.73 a	4589 ab
Garst 5401	13.13 a	59.20 a	4449 abc
Dynagro DG772B	13.40 a	59.47 a	4358 bc
Asgrow A571	13.47 a	59.90 a	3988 c
Mean	13.24	59.64	3177
P>F	0.7529	0.5253	0.0251
LSD (P=0.05)	NS	NS	522.26
Standard Deviation	0.409	1.070	293.55
CV%	3.09	1.8	6.44

Means in a column followed by the same letter are not significantly different by ANOVA.

¹ Adjusted to 14% moisture.

Planting Date: 3/27/08

Harvest Date: 7/14/08

Row spacing: 36 inches

Each variety was replicated three times in RCB design.

Wharton County Sorghum Hybrid Trial, 2008

Cooperator: Dean Hansen

Peter McGuill, County Extension Agent-Agriculture and Natural Resources, Wharton County

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre¹
Sorghum Partners NK7829	21.57 a	53.17 a	3704 a
NC+ 8R18	18.67 cd	54.63 a	3581 a
DeKalb DKS54-00	19.57 bc	53.87 a	3548 a
Asgrow A571	16.47 e	55.80 a	3544 a
Garst 5401	17.43 de	57.33 a	3442 a
Dynagro DG772B	18.30 cd	55.87 a	3385 a
Sorghum Partners NK8831	20.67 ab	53.43 a	3153 a
Mean	18.95	54.87	3480
P>F	0.0006	0.2494	0.6376
LSD (P=0.05)	1.801	NS	NS
Standard Deviation	1.012	2.135	358.5576
CV%	5.34	3.89	10.3

Means in a column followed by the same letter are not significantly different by ANOVA.

¹ Adjusted to 14% moisture.

Planting Date: 3/25/08

Harvest Date: 7/8/08

Row spacing: 40 inches

Each variety was replicated three times in a RCB design.

Wilson County Sorghum Hybrid Trial, 2008

Cooperator: Raymond and Larry Wiatrek

Charles Pfluger, County Extension Agent-Agriculture and Natural Resources, Wilson County

Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre¹
Sorghum Partners NK7633	12.2	60.0	4477
BH Genetics BH3822	11.3	60.0	4433
Asgrow A571	12.1	58.5	4426
DeKalb DKS37-07	12.3	61.0	4417
Golden Acres 3545	12.5	58.5	4397
NC+ 7R83	12.1	60.0	4340
Mean	12.1	59.7	4415

¹ Adjusted to 14% moisture.

Planting Date: 3/4/08

Harvest Date: 7/10/08

Row spacing: 38 inches

Brazoria County Sorghum Hybrid Trial, 2008

Cooperator: Texas Department of Corrections Darrington Farm Prison Unit
Corrie Bowen, County Extension Agent-Agriculture and Natural Resources, Brazoria County
Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Hybrid	Moisture (%)	Bu. Wt. (lbs.)	Lbs./Acre ¹
Dynagro DG772B	10.6	53.0	4138
Garst 5401	10.4	55.0	3624
Asgrow A571	13.0	49.0	3497
Sorghum Partners NK7829	10.7	55.0	3313
NC+ 8R18	11.7	54.0	3216
Sorghum Partners NK8831	12.2	51.0	3086
DeKalb DKS54-00	17.6	43.0	2498
Mean	12.3	51.4	3339

¹ Adjusted to 14% moisture.

Planting Date: 5/1/08

Harvest Date: 8/26/08

Row spacing: 38 inches

2008 Gregory Grain Sorghum Performance Test, Allen Hunt Farm, Gregory, Texas.

Dennis R. Pietsch, Research Associate, Texas AgriLife Research, College Station, Texas

Hybrid (1)	Company or Brand Name	Maturity Class (2)	Grain Color (3)	Plant Color (4)	Days to 50% Flower	Plant Height Inches	Head Exertion In.	Desirability Rating (5)	% Moisture	Test Weight lb/bu	Yield lb/A
GXO7467	DynaGro UAP	M	BZ	P	74	57	10	9.5	16.3	57.2	5,134
1488	Crosbyton Seed Company	ML	BZ	P	74	50	9	9.2	16.9	56.1	5,111
84G62	Pioneer Hi-Bred Int., Inc.	ML	BZ	R	78	47	6	8.8	16.6	56.9	4,993
GXO7163	DynaGro UAP	M	BZ	P	74	49	7	9.0	16.7	55.7	4,976
Check	Texas AgriLife Research	M	BZ	P	77	50	8	9.1	17.1	57.1	4,938
ATx2752 x RTx430	Texas AgriLife Research	ML	BZ	P	75	50	9	8.9	16.0	56.4	4,933
DeKalb DKS54-00	DeKalb	ML	BZ	P	82	56	11	9.0	17.2	53.3	4,863
ATx378 x RTx430	Texas AgriLife Research	ML	BZ	P	75	55	10	9.1	15.5	55.0	4,854
Asgrow A571	Asgrow	ML	R	P	76	52	11	9.1	16.9	55.4	4,747
Check	Texas AgriLife Research	ME	BZ	P	75	49	11	9.2	16.5	55.8	4,733
DeKalb DKS37-07	DeKalb	ME	BZ	P	74	50	10	9.3	16.4	54.9	4,690
DeKalb DKS54-03	DeKalb	ML	BZ	P	81	54	11	8.5	16.9	51.2	4,660
3552	Golden Acres Genetics	M	BZ	P	76	47	8	8.8	16.8	54.9	4,658
83G19	Pioneer Hi-Bred Int., Inc.	ML	BZ	R	76	50	8	9.2	15.9	54.0	4,569
3545	Golden Acres Genetics	M	BZ	P	78	54	11	9.1	16.4	55.2	4,539
Check	Texas AgriLife Research	ML	BZ	P	78	53	11	9.1	16.8	54.8	4,525
3694	Golden Acres Genetics	M	BZ	P	77	49	7	8.9	17.3	56.3	4,519
DG772B	DynaGro UAP	M	BZ	P	77	53	11	9.3	16.5	55.2	4,435
ATx631 x RTx436	Texas AgriLife Research	ML	W	T	79	58	9	8.9	17.4	55.1	4,404
737	Golden Acres Genetics	M	BZ	P	73	47	12	8.4	15.5	57.1	4,297
Garst 5464	Syngenta Seeds	ML	BZ	P	77	52	9	9.4	16.4	54.2	4,273
ATx399 x RTx430	Texas AgriLife Research	ML	BZ	P	75	47	9	8.5	15.3	53.0	4,050
DeKalb DKS44-20	DeKalb	M	BZ	P	79	54	12	9.0	17.3	55.8	4,048
NK 7633	Sorghum Partners Inc.	ML	BZ	P	76	48	12	8.5	17.9	55.1	4,045
Garst 5401	Syngenta Seeds	ML	R	P	75	54	10	8.9	16.0	56.6	4,008
DeKalb DKS53-67	DeKalb	ML	BZ	P	79	51	9	8.7	18.5	56.4	3,956
Mean					76.40	51.35	9.55	8.97	16.64	55.32	4,575
C.V.					1.24	2.98	11.14	2.56	2.53	2.23	9.80
L.S.D. .05					1.38	2.23	1.55	0.33	0.62	1.84	662

Note 1: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.

Note 2: Hybrid names starting or ending with an "X" denotes a commercial experimental. Those hybrids entered by the Texas Agricultural Experiment Station are either in the experimental stage or being tested as experimental check hybrids. Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

- (1) Golden Acres GA 3694, DeKalb DKS 37-07, and Garst 5464 were entered as commercial check hybrids at our discretion. They are intended to be used for comparison purposes only.
- (2) Maturity classification designated by respective seed companies: E=Early, M=Medium, ML=Medium Late, L=Late. Those hybrids with an asterisk (*) indicates company did not submit maturity.
- (3) Grain color designated by respective seed companies: R=Red, Bz=Bronze, W=White, Cm=Cream, Y=Yellow. Those hybrids with an asterisk (*) indicates company did not submit grain color.
- (4) Plant color designated by respective seed companies: T=Tan, R=Red, P=Purple. Those hybrids with an asterisk (*) indicates company did not submit plant color.
- (5) Desirability rating key is as follows: 1=Very poor, 10=Excellent

2008 Danevang Grain Sorghum Performance Test, Gilbert Lee Delgado, Danevang, Texas

Dennis R. Pietsch, Research Associate, Texas AgriLife Research, College Station, Texas

Hybrid	Company or Brand Name	Maturity Class (1)	Grain Color (2)	Plant Color (3)	Days to 50% Flower	Plant Height Inches	Head Exsertion In.	% Moisture	Test Weight lb/bu	Yield lb/A
GXO7163	DynaGro UAP	M	BZ	P	64	49	4	15.6	58.8	6,035
DeKalb DKS54-03	DeKalb	ML	BZ	P	66	49	6	16.2	57.5	5,741
GXO7467	DynaGro UAP	M	BZ	P	64	56	5	15.6	59.2	5,656
ATx2752 x RTx430	Texas AgriLife Research	ML	BZ	P	64	49	5	16.2	59.2	5,432
83G19	Pioneer Hi-Bred Int., Inc	ML	BZ	R	65	50	4	16.2	58.1	5,390
Terral TV9421	Terral Seed Inc.	M	BZ	P	64	48	5	15.6	59.6	5,386
Asgrow A571	Asgrow	ML	R	P	64	50	9	15.6	58.5	5,375
X1488	Crosbyton Seed Company	ML	BZ	P	64	47	4	15.9	58.5	5,307
82G10	Pioneer Hi-Bred Int., Inc	ML	BZ	R	66	48	2	16.6	57.9	5,229
ATx399 x RTx430	Texas AgriLife Research	ML	BZ	P	64	47	6	15.6	57.4	5,229
3696	Golden Acres Genetics	M	BZ	P	64	47	3	16.7	58.7	5,165
ATx631 x RTx436	Texas AgriLife Research	ML	W	T	67	56	4	15.9	59.5	5,139
DeKalb DKS44-20	DeKalb	M	BZ	P	66	50	7	16.6	59.2	5,106
84G11	Pioneer Hi-Bred Int., Inc	ML	BZ	R	63	50	5	15.6	58.5	5,096
Garst 5464	Syngenta Seeds	ML	BZ	R	65	48	6	16.2	59.7	5,075
Terral TV96H81	Terral Seed Inc.	ML	R	P	64	51	4	16.5	59.5	5,048
3694	Golden Acres Genetics	M	BZ	P	65	47	4	16.7	59.2	4,950
ATx378 x RTx430	Texas AgriLife Research	ML	BZ	P	64	54	5	15.8	59.0	4,918
DG772B	DynaGro UAP	M	BZ	P	65	49	6	16.1	59.6	4,915
DeKalb DKS37-07	DeKalb	ME	BZ	P	64	49	6	16.3	59.7	4,869
3545	Golden Acres Genetics	M	BZ	P	65	48	5	16.4	59.4	4,819
Terral TV92S82	Terral Seed Inc.	ME	BZ	P	65	49	7	16.0	59.0	4,818
DeKalb DKS53-67	DeKalb	ML	BZ	P	67	48	3	17.7	58.3	4,786
Terral TV93S72	Terral Seed Inc.	M	R	P	64	49	8	16.0	58.6	4,776
Terral TV94S91	Terral Seed Inc.	M	R	P	65	48	4	16.1	58.3	4,761
NK8831	Sorghum Partners, Inc.	L	BZ	P	67	44	3	16.3	59.5	4,603
DeKalb DKS54-00	DeKalb	ML	BZ	P	68	51	6	16.9	59.0	4,536
3552	Golden Acres Genetics	M	BZ	P	64	48	5	16.3	58.5	4,452
X3045	Crosbyton Seed Company	ME	R	P	65	46	4	16.3	58.6	4,216
Garst 5379	Syngenta Seeds	ML	BZ	R	.	52	3	18.2	59.1	3,435
Mean					64.74	49.07	4.80	16.25	58.85	5,008
C.V.					0.84	3.50	22.24	3.12	1.56	9.10
L.S.D. .05					0.78	2.48	1.54	0.73	1.39	663

Note 1: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.

Note 2: Hybrid names starting or ending with an "X" denotes a commercial experimental. Those hybrids entered by the Texas Agricultural Experiment Station are either in the experimental stage or being tested as experimental check hybrids. Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

(1) Maturity classification designated by respective seed companies: E=Early, M=Medium, ML=Medium Late, L=Late. Those hybrids with an asterisk (*) indicates company did not submit maturity.

(2) Grain color designated by respective seed companies: R=Red, Bz=Bronze, W=White, Cm=Cream, Y=Yellow. Those hybrids with an asterisk (*) indicates company did not submit grain color.

(3) Plant color designated by respective seed companies: T=Tan, R=Red, P=Purple. Those hybrids with an asterisk (*) indicates company did not submit plant color.