

# Grain Sorghum Performance at the Central Research Station - Baton Rouge

## Location Summary

The growing season was excellent with well distributed rainfall in late May, June and July (see below). Maximum temperatures across the growing season were in the low 90's. Yields ranged from 4942 to 7166 lb/acre, with a trial average of 6235 lb/acre (Table 3). One hybrid had yields higher than 7000 lb/acre and 30 hybrids had yields higher than 6000 lb/acre. Test weight and head exertion were also good, with trial averages of 57.1 lb/bu and 5 inches for test weight and head exertion, respectively.

Soil Type.....	Commerce silty clay loam
Row Spacing.....	30 inches
Seeding Rate.....	5 seed/ft
Fertilization.....	70-17-17
Herbicides.....	Pre: 1.5 qt Atrazine/a
Insecticides.....	None
Previous Crop.....	Grain Sorghum
Planting Date.....	May 3
Harvest Date.....	August 25

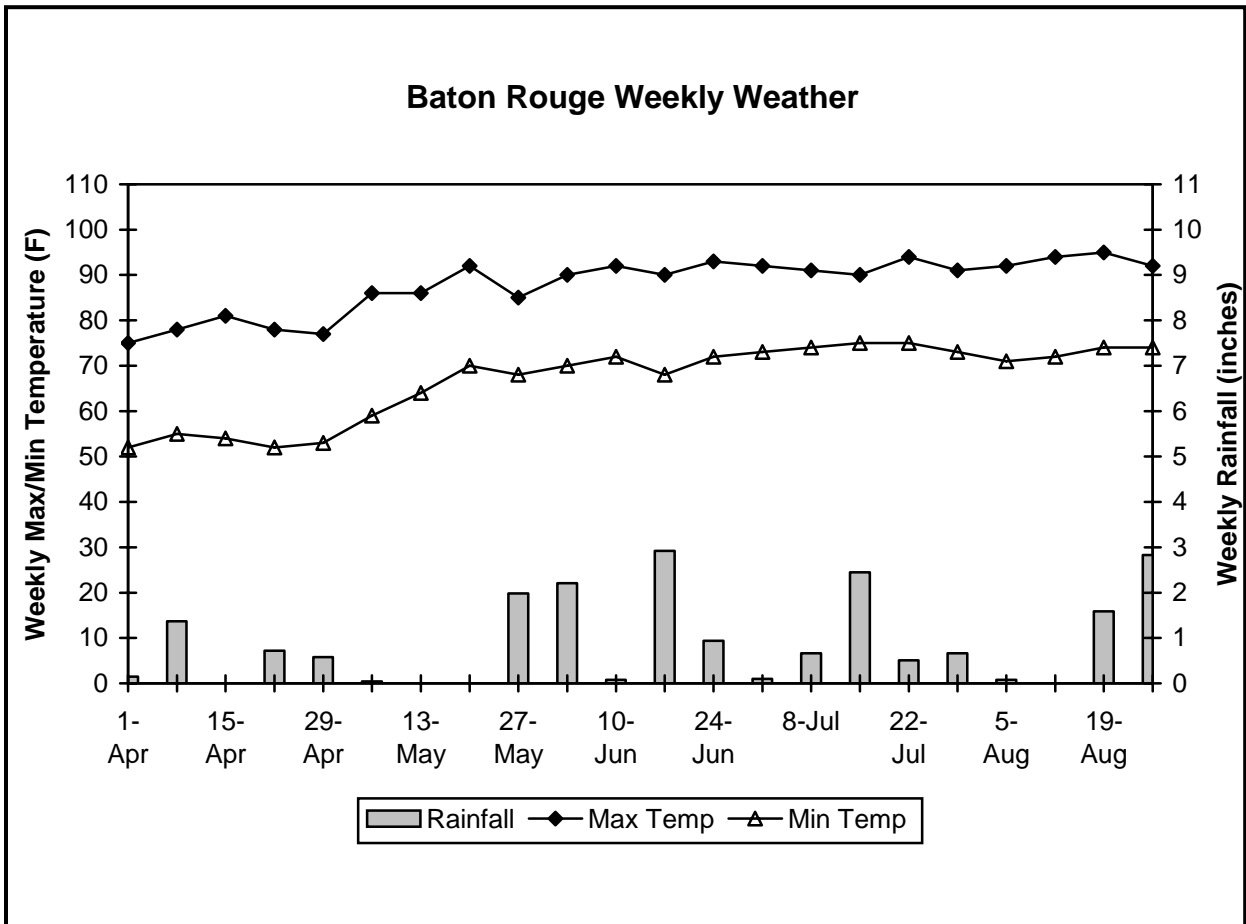


Table 3. Performance of grain sorghum hybrids at the Central Research Station at Baton Rouge, La., 2005.

Brand/hybrid	Yield		Test wt	Plant ht	Head exer	Head type
	2005	2-Yr avg				
	-----lb/a-----		lb/bu	in	in	
Terral TVX94A427	7166	-	55.6	62	8	1.0
Terral TVX94A415	6951	-	57.9	57	5	1.0
Pioneer 83G66	6948	6398	56.5	60	6	3.0
Dyna-Gro DGX1759	6848	-	58.2	58	1	3.0
Pioneer 84G62	6739	6134	58.6	56	4	4.0
Asgrow A567	6724	6013	58.5	57	6	2.0
Monsanto MSC531	6704	-	56.6	55	6	4.0
Dyna-Gro DG751B	6597	5973	58.3	60	3	1.0
Terral TV9421	6596	5938	56.1	55	6	4.0
Terral TV96H81	6551	5909	58.3	59	3	1.0
Terral TV97H17	6499	5728	58.9	64	4	1.0
Golden Acres 3827	6481	5028	58.4	59	6	4.5
Terral TVX95B303	6469	6117	58.7	57	4	4.0
Golden Acres 444E	6459	5575	55.6	55	6	4.0
Golden Acres 3552	6446	-	56.3	55	4	2.5
Monsanto MSC332	6406	-	56.7	63	8	1.0
PSC Exp-408	6379	-	56.0	68	9	4.0
Dyna-Gro DG780B	6373	5662	59.8	60	6	1.0
Dyna-Gro DGX1755	6360	5924	56.8	56	7	2.5
Dyna-Gro DG762B	6312	6210	56.0	59	7	3.5
Garst 5515	6298	6290	56.0	54	6	3.0
NC+ 7R83	6297	6078	54.5	57	5	2.0
Garst 5401	6287	-	57.4	60	5	3.5
Asgrow A571	6264	5851	54.7	57	6	2.0
Terral TV93S72	6203	5271	54.0	55	9	2.0
Dekalb DKS53-11	6136	5807	57.4	57	3	1.0
Monsanto MTC15525	6112	-	58.9	54	7	1.0
Dyna-Gro DGX1785	6089	-	58.7	54	4	1.5
Dyna-Gro DGX1756	6086	-	56.0	54	4	3.5
Dyna-Gro DGX1743	6059	-	52.7	56	7	2.0
Dyna-Gro DGX1758	6055	-	57.3	60	7	2.5
Terral TV1050	5994	5983	56.4	57	3	1.5
Garst 5440	5992	4983	58.4	58	7	2.5
Dyna-Gro DGX1742	5948	-	54.3	54	2	1.5
Dyna-Gro DGX1784	5889	-	57.6	57	4	1.5
Dekalb DKS54-00	5852	5494	56.5	61	5	2.5
Terral TVX95B324	5794	-	56.9	56	3	2.5
PSC Exp-401	5790	-	56.9	68	7	3.5
Terral TVX95B323	5587	-	59.8	57	5	1.0
Terral TVX96A317	5271	-	57.5	62	4	1.5
PSC GS104	5181	-	58.9	61	7	4.5

PSC GS105	4942	-	59.5	62	5	2.5
<b>Average</b>	<b>6235</b>		<b>57.1</b>	<b>58</b>	<b>5</b>	<b>2.5</b>
<b>CV, %</b>	<b>7.0</b>		<b>1.6</b>	<b>4.1</b>	<b>27.9</b>	<b>21.8</b>
<b>LSD (0.10)</b>	<b>509</b>		<b>1.0</b>	<b>4</b>	<b>2</b>	<b>1.0</b>

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