

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

### Location Summary

Grain yields were excellent, ranging from 5,647 lb/a for Golden Acres GA3799 to 7,024 lb/a for Dekalb DKS53-67 with a trial average of 6,368 lb/a (Table 3). Seventeen of the twenty hybrids tested had yields greater than 6,000 lb/a. There were thirteen hybrids with two-year averages. Rainfall was well distributed throughout May, June, and July (see below). Anthracnose ratings ranged from 0 for DynaGro DG758B to 8 for Pioneer brand 84G62. Although symptoms were severe, in some cases, there was little affect on grain yield.

Soil Type.....Commerce silt loam  
 Row Spacing.....30 inches  
 Seeding Rate.....5 seed/ft  
 Fertilization.....70/12/12  
 Herbicides.....Pre: Atrazine @ 1.5 qt/a  
 Insecticides.....Karate-Z @ 2 oz/a (2 applns at heading)  
 Previous Crop.....Winter oat cover crop  
 Planting Date.....April 22  
 Harvest Date.....August 6

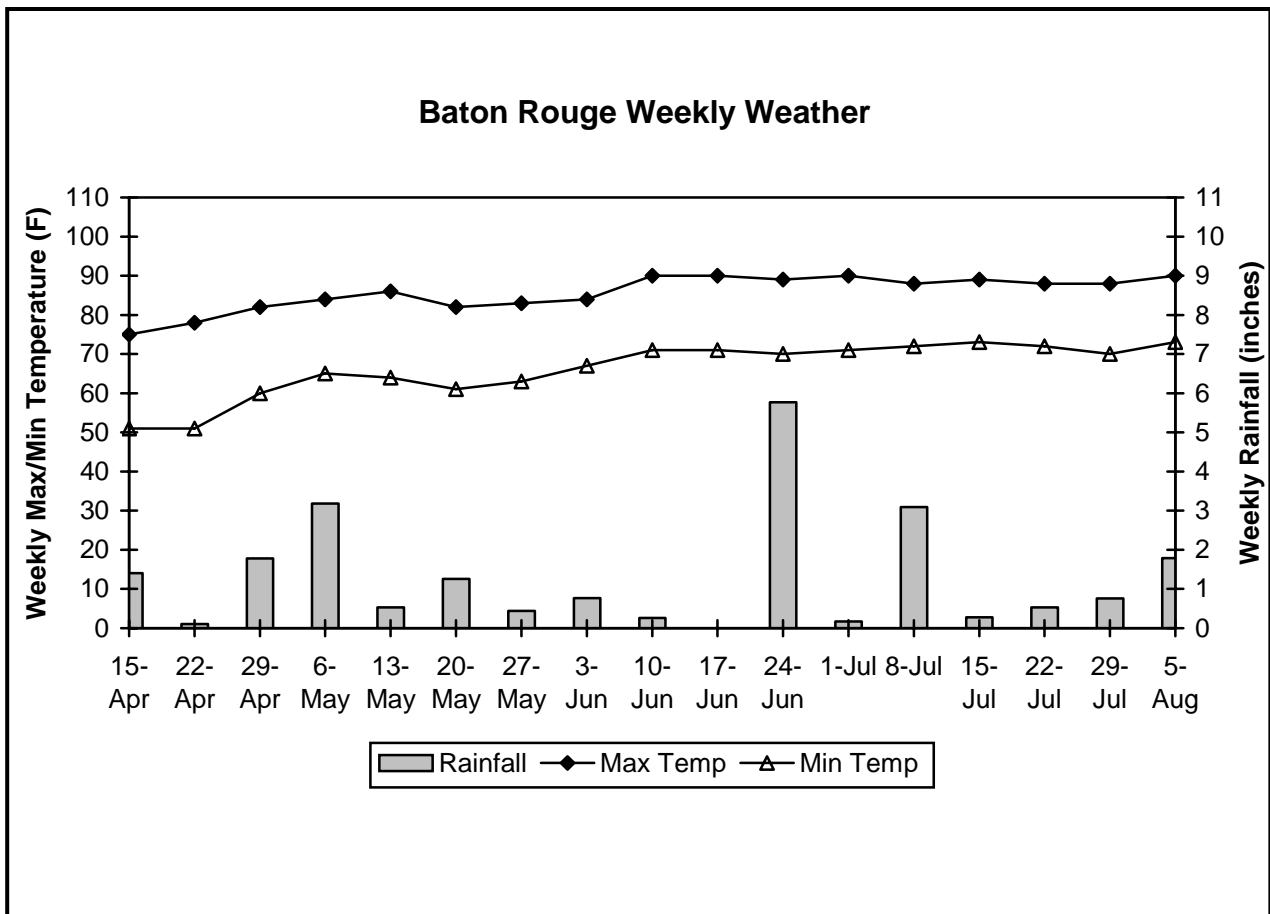


Table 3. Yield performance of grain sorghum hybrids in the hybrid performance trial at Baton Rouge, 2007.

Brand/hybrid	Yield		Grain mst	Test wt	Mid- head	Plant ht	Head type	Head exert	Anth score
	2007	2-yr avg							
	lb/acre		%	lb/bu	DAP	in	1-5	in	0-9
Dekalb DKS53-67	7,024	-	20.0	58.6	65	60	3	5	3
Dekalb DKS54-00	6,954	4,946	20.9	55.7	64	60	2	8	3
Dyna-Gro DG751B	6,706	5,780	15.2	57.5	63	56	1	5	7
Pioneer brand 84G62	6,663	5,624	19.2	57.9	67	57	1	3	8
Terral TV96H81	6,605	5,936	15.9	57.8	63	58	3	6	7
Dyna-Gro DG780B	6,588	5,725	18.5	58.1	67	59	1	4	4
Terral TV9421	6,585	5,781	15.6	55.9	58	55	5	7	4
NC+ 7R34	6,562	-	16.6	57.9	62	58	3	6	3
NC+ 8R18	6,392	-	19.9	56.0	65	63	2	7	3
Dyna-Gro DG758B	6,389	-	20.8	55.6	62	54	2	4	0
Terral TV1050	6,376	5,577	16.9	57.4	63	58	2	4	4
Dekalb DKS37-07	6,247	5,420	17.6	56.1	58	54	3	6	3
Asgrow A571	6,232	5,348	17.0	54.2	63	58	1	8	3
Terral TV96H91	6,206	5,579	17.3	57.7	63	60	3	12	3
Asgrow A603	6,199	-	15.2	56.4	62	60	5	6	3
Terral TV93S72	6,110	5,607	14.9	55.5	59	51	3	8	4
NC+ 7R83	6,103	5,218	18.4	54.7	63	57	3	7	4
NC+ 7B51	5,981	5,619	17.1	55.6	61	54	1	6	7
Dyna-Gro DG754B	5,785	-	15.6	55.3	60	53	3	8	5
Golden Acres GA3799	5,647	-	26.1	53.5	67	59	1	9	5
<b>Average</b>	<b>6,368</b>		<b>17.9</b>	<b>56.4</b>	<b>63</b>	<b>57</b>	<b>2</b>	<b>6</b>	<b>4</b>
<b>CV, %</b>	<b>5</b>		<b>8</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>17</b>	<b>32</b>	<b>21</b>
<b>LSD (0.10)</b>	<b>354</b>		<b>1.6</b>	<b>0.8</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>