

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

### Location Summary

Grain yields were good considering the very late planting date due to a wet April and May. Grain yields ranged from 2,938 lb/a for Dekalb DKS54-00 to 5,502 lb/a for Garst 5401, with a trial average of 4,686 lb/a (Table 3). Sixteen hybrids had two-year averages, with an average grain yield of 5,555 lb/a. Maximum temperatures ranged between 90 and 95° F and timely rainfall occurred throughout the growing season (see below). Moderate levels of anthracnose blight and head blight was present on most hybrids, which was probably due, in part, to the late planting date.

Soil Type.....	Commerce silt loam
Row Spacing.....	30 inches
Seeding Rate.....	5 seed/ft
Fertilization.....	100/15/15
Herbicides.....	Pre: 1.5 qt Atrazine/a
Insecticides.....	10 lb Lorsban/a (preplant)
	Warrior @ 2 oz/a (2 applns at heading)
	Sevin @ 2 pts/a after heading
Previous Crop.....	Soybeans
Planting Date.....	June 11
Harvest Date.....	August 17

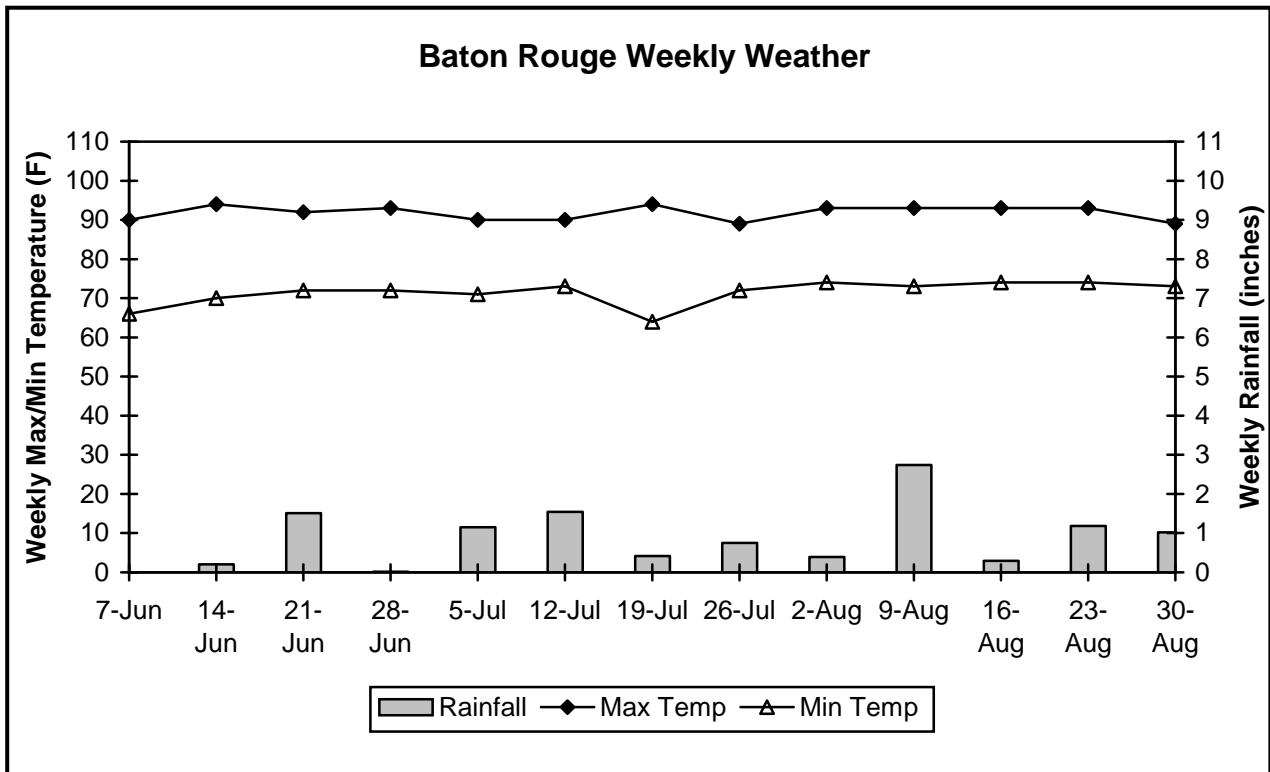


Table 3. Performance of hybrids in grain sorghum hybrid performance trial at the Central Station at Baton Rouge, La.,2006.

Brand/hybrid	Yield		Gr mo %	Test wt lb/bu	Mid- head DAP	Pl ht in	Head exer in	Head type 0-5	Anth. blight 0-9	Head blight 0-9
	2006	2-yr avg								
	-----lb/acre---									
Garst 5401	5,502	5,895	17.9	57.7	30	56	8	1	5	5
Terral TV96H81	5,267	5,909	17.8	56.0	33	52	4	1	7	4
NC+ 7B51	5,256	-	17.4	55.0	30	49	3	3	7	6
Terral TV93S72	5,103	5,653	19.6	52.0	32	48	6	3	6	5
Golden Acres GA444E	5,082	5,771	19.0	54.1	32	49	5	3	5	6
Terral TV9421	4,976	5,786	18.1	54.1	31	47	4	4	6	6
Terral TVX96H91	4,952	5,711	17.6	57.8	31	53	5	4	4	5
Dyna-Gro DG780B	4,861	5,617	19.8	56.4	36	57	7	1	6	3
Monsanto MSD477	4,856	-	16.6	57.2	27	53	9	3	2	5
Dyna-Gro DG751B	4,854	5,726	18.6	55.2	34	54	6	1	7	4
Dyna-Gro DG762B	4,840	5,576	17.5	54.9	30	52	6	2	6	6
Golden Acres GA3827	4,784	5,633	17.9	56.9	33	52	6	4	4	5
Terral TV1050	4,777	5,386	20.4	54.4	33	52	6	1	5	5
Garst 5515	4,670	5,484	16.6	54.2	31	52	6	2	7	5
Dekalb DKS37-07	4,593	-	19.6	53.7	29	52	5	3	5	5
Pioneer brand 84G62	4,584	5,662	18.3	56.3	35	50	3	3	6	5
Monsanto MSD472	4,518	-	15.7	52.7	29	45	7	3	6	7
Asgrow A571	4,463	5,364	21.7	51.7	34	53	7	1	5	4
NC+ 7R83	4,332	5,315	22.9	51.7	36	52	4	1	5	5
Garst 5360	4,322	-	23.5	52.8	35	55	5	1	7	3
Monsanto MSC432	3,565	-	22.7	49.6	39	63	7	2	4	5
Dekalb DKS54-00	2,938	4,395	20.8	49.0	39	57	9	3	3	6
<b>Average</b>	<b>4,686</b>	<b>5,555</b>	<b>19.1</b>	<b>54.2</b>	<b>33</b>	<b>52</b>	<b>6</b>	<b>2</b>	<b>5</b>	<b>5</b>
<b>CV, %</b>	<b>8</b>	<b>-</b>	<b>8</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>33</b>	<b>-</b>	<b>14</b>	<b>15</b>
<b>LSD (0.10)</b>	<b>420</b>	<b>-</b>	<b>1.7</b>	<b>1.3</b>	<b>2</b>	<b>4</b>	<b>NS</b>	<b>-</b>	<b>1</b>	<b>1</b>