

# Grain Sorghum Performance at the Red River Research Station – Bossier City

### Location Summary

Grain yields ranged from 4,273 lb/a for Golden Acres GA3799 to 5,819 lb/a for NC+ 7B51 with a trial average of 5,103 lb/a (Table 4). There are no two-year yield averages because there has been no data collected for this site since 2003. Rainfall was relatively well distributed in May, June, and July (see below). Mid-head dates ranged from 48 to 54 days after planting (DAP). These low mid-head dates were probably due to the relatively late planting date.

Soil Type.....	Moreland silty clay loam
Row Spacing.....	40 inches
Seeding Rate.....	5 seed/ft
Fertilization.....	32-0-0 @ 140 lb N/a (6/11)
Herbicides.....	Permit @ 1 oz/a (5/21); Gramoxone @ 1.5 pt/a (6/8) post directed
Previous Crop.....	Soybeans
Planting Date.....	May 8
Harvest Date.....	August 24

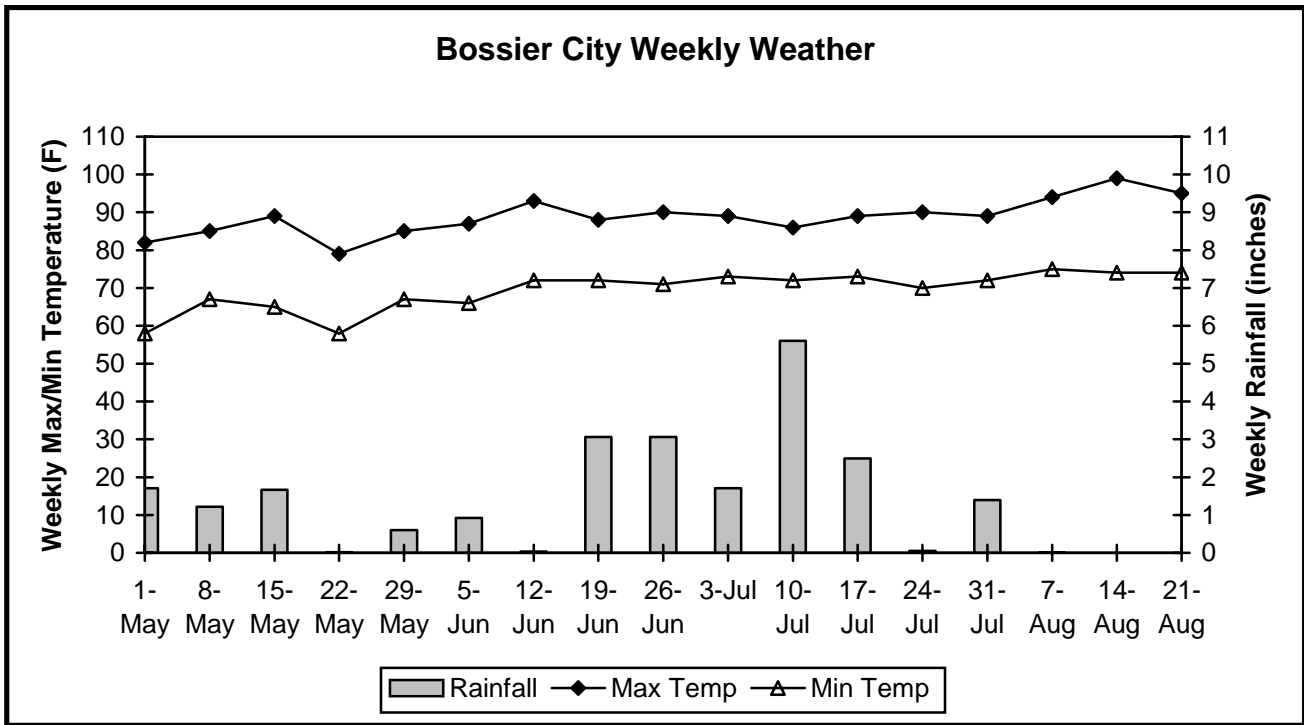


Table 4. Yield performance<sup>1</sup> of grain sorghum hybrids in the hybrid performance trial at Bossier City, 2007.

Brand/hybrid	Yield	Grain mst	Test wt	Mid-head	Plant ht	Head type	Head exert	Bird
	lb/acre	%	lb/bu	DAP	in	1-5	in	%
NC+ 7B51	5,819	14.4	59.0	51	45	2	7	5
Pioneer brand 84G62	5,717	14.9	59.3	53	46	2	4	5
Asgrow A571	5,468	14.2	58.5	53	44	2	7	0
Dekalb DKS53-67	5,432	15.0	60.8	53	45	2	7	0
Dyna-Gro DG780B	5,285	14.1	60.6	52	47	1	4	0
Terral TV93S72	5,275	14.4	58.9	51	44	2	6	0
Dyna-Gro DG751B	5,267	14.2	59.8	52	46	2	6	0
Terral TV9421	5,257	14.5	57.5	51	45	3	7	5
Terral TV96H91	5,149	14.5	60.7	53	46	2	8	0
Dekalb DKS54-00	5,108	15.2	59.2	54	49	3	8	5
NC+ 8R18	5,104	14.4	58.0	55	49	1	6	0
Dyna-Gro DG758B	5,061	13.9	59.7	51	43	2	6	0
NC+ 7R83	5,051	14.4	56.5	54	43	2	5	0
Asgrow A603	4,980	15.0	59.2	55	47	2	9	0
NC+ 7R34	4,943	14.4	60.2	52	48	2	5	5
Terral TV96H81	4,909	14.4	59.6	53	44	1	6	5
Dyna-Gro DG754B	4,706	14.4	59.2	53	44	2	10	5
Terral TV1050	4,686	14.6	57.4	54	46	2	4	0
Dekalb DKS37-07	4,380	14.5	58.9	48	44	2	6	5
Golden Acres GA3799	4,273	17.9	56.6	56	46	3	5	20
<b>Average</b>	<b>5,103</b>	<b>14.7</b>	<b>59.0</b>	<b>53</b>	<b>46</b>	<b>2</b>	<b>6</b>	<b>5</b>
<b>CV, %</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>22</b>	<b>41</b>	<b>392</b>
<b>LSD (0.10)</b>	<b>513</b>	<b>0.4</b>	<b>1.4</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>10</b>

<sup>1</sup>There is no two-year yield average because there has been no data collected since 2003.