

## Grain Sorghum Performance at the Dean Lee Research Station – Alexandria

### Location Summary

Late April and early May were dry resulting in a relatively late planting date. However, grain yields were good, ranging from 4,046 to 5,969 lb/a with a trial average of 5,170 lb/a (Table 2). There were twelve hybrids with two-year averages. Test weights ranged from 53.6 to 60.4 lb/bu with a trial average of 56.6 lb/bu. There were seven hybrids that fell into the highest-yielding group in 2010 and three hybrids that did well both years, 2009 and 2010. There was extensive bird damage, averaging 40% damage across the trial.

Soil Type.....	Norwood silt loam
Row Spacing.....	38 inch
Seeding Rate.....	6-7 seed/ft
Planting Date.....	May 12
Previous Crop.....	Soybeans
Fertilization.....	
	Fall: 0-18-36 @ 180 lb/a;
	Sidedress: 30-0-0-2 @ 150 lb N/a (6/17);
Herbicides.....	Lexar @ 3 qt/a (5/13);
	Atrazine @ 1 qt/a, Prowl @ 1.5 pt/a (6/21);
Insecticides.....	
	Karate @ 2.6 oz/a (7/9); Karate @ 2 oz/a (7/20);
	Leverage @ 2.8 oz/a (7/29);
Harvest Date.....	August 31

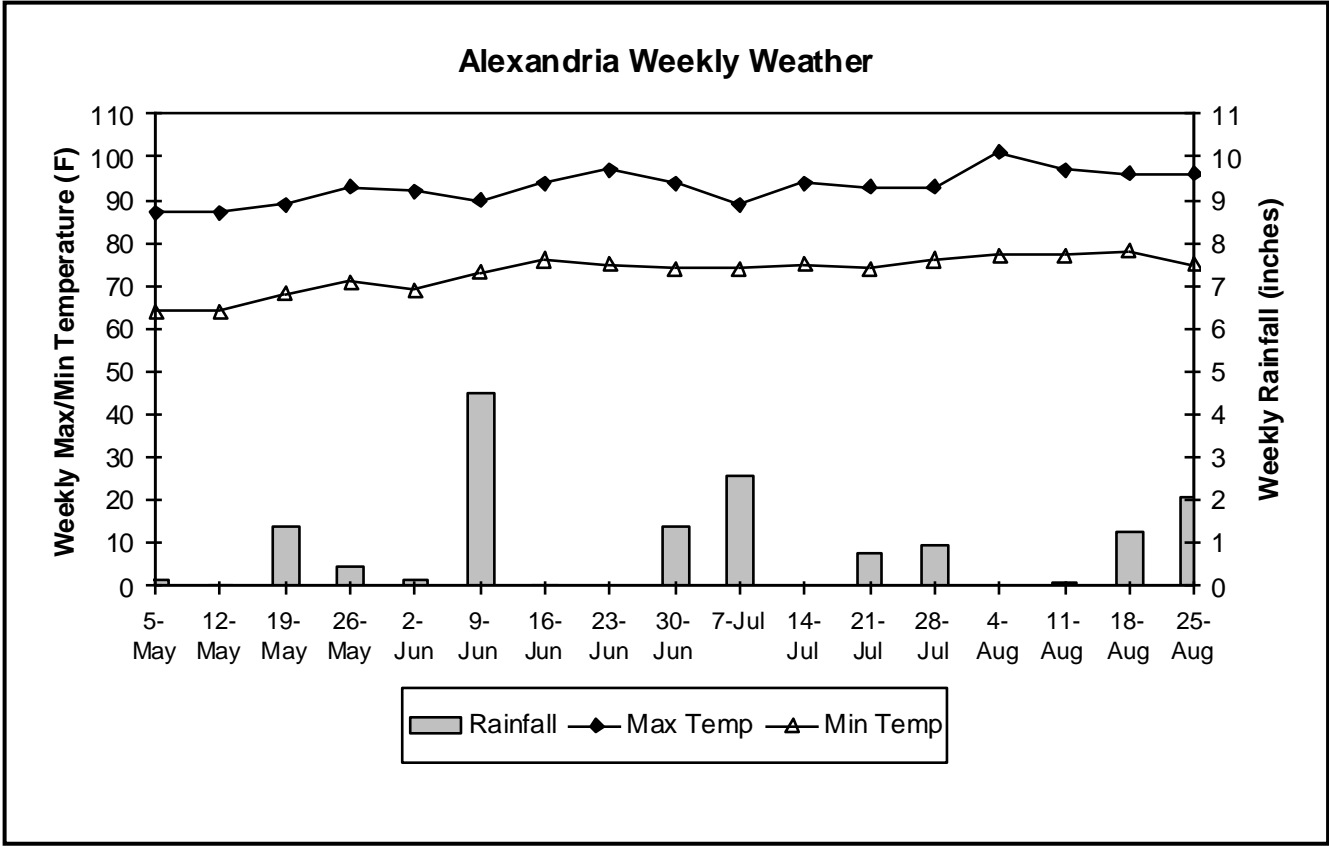


Table 2. Performance of grain sorghum hybrids at Alexandria, 2010.

Brand/hybrid	2010 Yield <sup>1</sup> lb/a	2-Year avg <sup>2</sup> lb/a	GrMo %	Test wt lb/bu	Mid- head DAP	Plant ht in	Head type 1-5	Head exert in	Bird %
<b>Pioneer 84G62*</b>	<b>5,969</b>	6,669	13.8	59.3	60	55.5	3	6	30
Dyna-Gro 780B	<b>5,785</b>	5,786	11.7	60.4	61	58.5	1	8.5	20
<b>Dekalb DKS53-67*</b>	<b>5,728</b>	6,329	15.7	57.0	59	56	3	7.5	20
Terral TV9421	<b>5,644</b>	6,192	12.3	53.6	57	55	2	7	70
Dekalb DKS54-03	<b>5,485</b>	5,932	14.7	55.9	62	57	4	6.5	30
<b>Terral TV96H81*</b>	<b>5,463</b>	6,428	15.0	-	60	57	1	7.5	30
Syngenta 5556	<b>5,316</b>	-	17.6	58.0	60	54.5	4	3.5	30
Terral TV96H91	5,217	5,901	11.7	57.2	60	57.5	3	4	30
Pioneer 83P17	5,145	-	15.9	56.0	62	54.5	2	7	20
Terral TV96H95	5,068	6,177	13.3	57.5	56	57	4	5	50
Syngenta 5464	5,039	-	15.3	56.4	60	57.5	5	4	50
Golden Acres 3696	5,027	5,933	13.9	54.9	57	55	3	7	60
Dyna-Gro 751B	4,927	6,136	15.9	-	57	55.5	3	4.5	30
Dekalb DKS54-00	4,828	5,897	15.8	56.4	62	66	3	6.5	30
Dyna-Gro 771B	4,787	5,781	14.0	54.9	55	55.5	5	6	40
Dekalb DKS49-45	4,412	-	15.3	-	62	68	4	4.5	40
Golden Acres 3566	4,046	-	15.2	54.9	56	56	4	5.5	60
<b>Average</b>	<b>5,170</b>	.	<b>14.5</b>	<b>56.6</b>	<b>59</b>	<b>57.5</b>	<b>3</b>	<b>6</b>	<b>40</b>
<b>CV, %</b>	<b>11</b>	.	<b>19</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>48</b>	<b>36</b>	<b>41</b>
<b>LSD (0.10)</b>	<b>676</b>	.	<b>NS</b>	<b>2.6</b>	<b>1</b>	<b>4.0</b>	<b>NS</b>	<b>NS</b>	<b>1.8</b>

<sup>1</sup>Yields in bold denote hybrids that are in the highest-yielding group in 2010.

<sup>2</sup>Hybrids in bold with an asterisk (\*) were in the highest-yielding group in both years, 2009 and 2010.