

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

Location Summary

Grain yields were good, ranging from 4,991 lb/a for Dyna-Gro DG778B to 6,845 lb/a for Pioneer brand 82G10 with a trial average of 6,254 lb/a (Table 3). Twenty of the twenty-six hybrids had yields greater than 6,000 lb/a. There were eight hybrids in 2008 and two hybrids for 2007 and 2008 that were considered highest-yielding hybrids (bolded in table). The lowest yielding hybrid Dyna-Gro DG778B (4,991 lb/a) was also the latest maturing, based on the highest harvest grain moisture (19.1%) and late heading date (68 DAP). Test weights were excellent, ranging from 57.7 lb/bu for NC+7R83 to 60.6 lb/bu for Dyna-Gro DGGX08170.

Soil Type.....	Norwood sandy loam
Row Spacing.....	40 inches
Seeding Rate.....	6-7 seed/ft
Fertilization.....	Urea @ 120 lb N/a (5/12)
Herbicides.....	Pre: Metolachlor@1.75 pts/a + Atrazine@1.5 pts/a Post: Gramoxone@1.5 pt/a
Insecticides.....	Karate Z @ 2.5 oz/a (7/8); Karate Z @ 0.5 oz/a + Tracer @ 1.1 oz/a (7/23)
Previous Crop.....	Grain Sorghum
Planting Date.....	April 29
Harvest Date.....	August 18

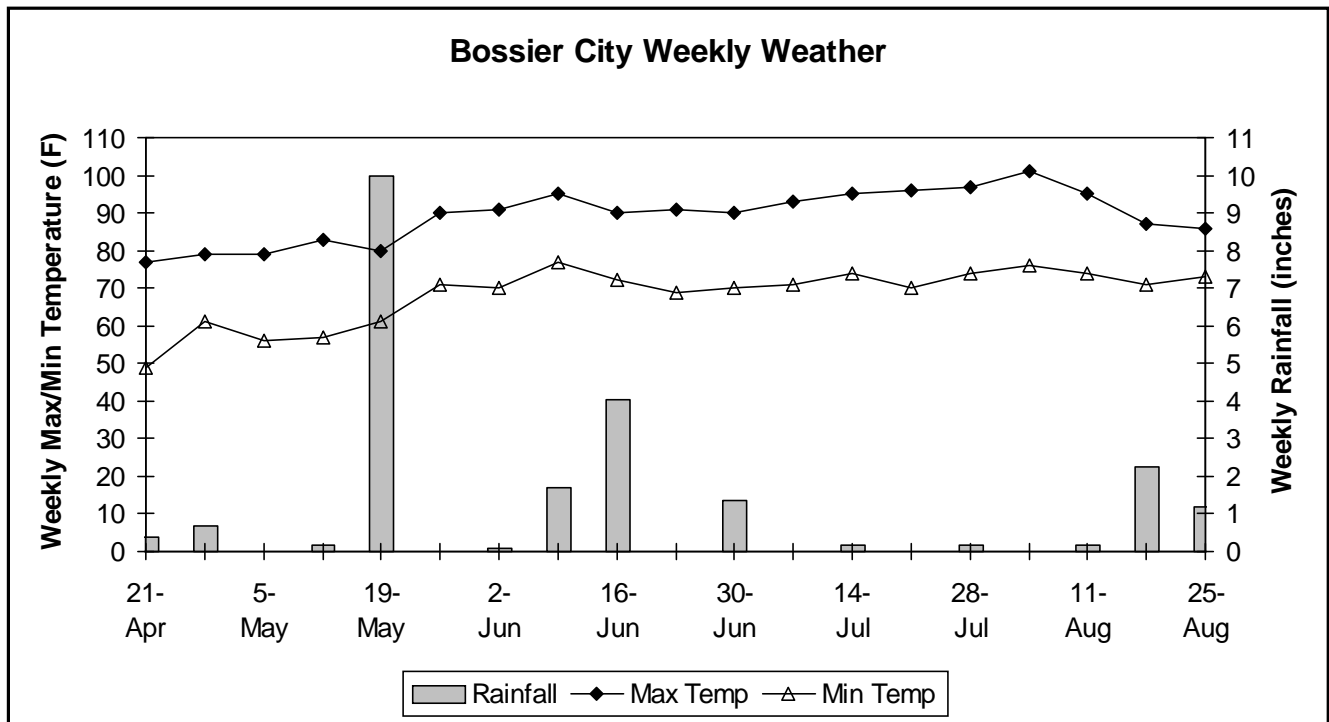


Table 3. Grain sorghum hybrid performance trial at Bossier City, 2008.

Brand/hybrid	2008 Yield ¹	2-Yr avg ²	Grain moist	Test wt	Head date	Head exert	Plant ht	Head type ⁴
	-----lb/a-----		%	lb/bu	DAP ³	inches	inches	
Pioneer brand 82G10	6,845	-	16.8	59.5	59	4	58	2
Garst 5515	6,714	-	16.9	58.4	59	7	55	3
Golden Acres 3696	6,686	-	16.6	58.3	55	5	58	3
Dyna-Gro DGGX07163	6,653	-	16.5	58.3	56	4	58	3
Pioneer brand 84G62	6,601	6,159*	17.0	59.3	60	3	54	3
Dyna-Gro DGGX07664	6,583	-	16.8	59.6	57	5	49	3
Dekalb DKS53-67	6,559	5,996*	17.2	60.0	61	7	57	2
Pioneer brand 83G66	6,520	-	16.0	58.8	57	6	59	2
Dyna-Gro DG751B	6,401	5,834	16.9	59.7	59	5	60	2
Garst 5464	6,397	-	16.9	59.1	57	8	58	4
Terral TV1050	6,364	5,525	16.0	58.6	58	4	59	2
Terral TV96H81	6,321	5,615	16.8	59.7	58	3	59	1
Terral TV9421	6,297	5,777	17.1	59.0	57	8	58	3
Dekalb DKS54-00	6,261	5,685	17.8	59.0	63	7	61	3
NC+ 8R18	6,249	5,677	17.1	58.9	60	9	61	2
Asgrow A571	6,222	5,845	17.3	58.4	59	7	58	2
Dekalb DKS54-03	6,197	-	17.7	58.7	61	7	59	3
NC+ 7R83	6,144	5,598	16.4	57.7	59	8	59	1
Dyna-Gro DG780B	6,138	5,712	16.6	60.0	60	3	59	2
Terral TV96H91	6,016	5,583	16.5	60.2	61	4	56	3
Terral TV94S91	6,000	-	16.7	59.5	58	6	54	3
Terral TV93S72	5,903	5,589	16.4	59.9	56	10	55	2
Dyna-Gro DGGX08170	5,891	-	17.8	60.6	60	10	64	1
Dyna-Gro DG758B	5,837	-	16.4	59.3	57	4	54	2
Golden Acres 3552	5,826	-	16.4	59.2	58	6	55	3
Dyna-Gro DG778B	4,991	-	19.1	58.3	68	11	67	1
Average	6,254	-	16.9	59.1	59	6	58	2
CV, %	5	-	4	1	2	38	3	22
LSD (0.10)	343	-	0.7	0.7	1	3.8	3	1

¹Hybrids in bold are the highest yielding for this location in 2008.

²Hybrids in bold with an asterisk (*) are the highest yielding in both 2007 and 2008.

³DAP=days after planting.

⁴Head type, 1-5; 1=compact ...5=open.