

Grain Sorghum Performance at the Macon Ridge Branch of the Northeast Research Station – Winnsboro

Location Summary

Grain yields ranged from 4,267 lb/a for Golden Acres GA3799 to 6,392 lb/a for Pioneer brand 84G62 with a trial average of 6,392 lb/a (Table 8). There were thirteen hybrids with two-year yield averages. Rainfall was well distributed in May, latter part of June, and July (see below). Test weights were excellent, ranging from 54.7 lb/bu for DynaGro DG758B to 60.5 lb/bu for DynaGro DG780B with a trial average of 58.2 lb/bu.

Soil Type.....Gigger silt loam
 Row Spacing.....40 inches
 Seeding Rate.....6-7 seed/ft
 Fertilization.....
 Preplant;4-21-48 (3/15)
 Sidedress:30-0-0-2 @ 100 lb N/a (5/22)
 Herbicides.....
 Burndown: Gramoxone @ 1 qt/a (April 25);
 Preemerge (5/1): Atrazine @ 3 pt/a + Dual @ 1 pt/a + Gramoxone @ 1 qt/a;
 Insecticides.....
 Preemerge (5/1): Tombstone @ 2 oz/a
 Two applns. of Warrior @ 2oz/a (6/27, 7/2); Two applns. Tombstone @ 2 oz/a (7/25, 8/9)
 Previous Crop.....Cotton
 Planting Date.....May 1
 Harvest Date.....August 24

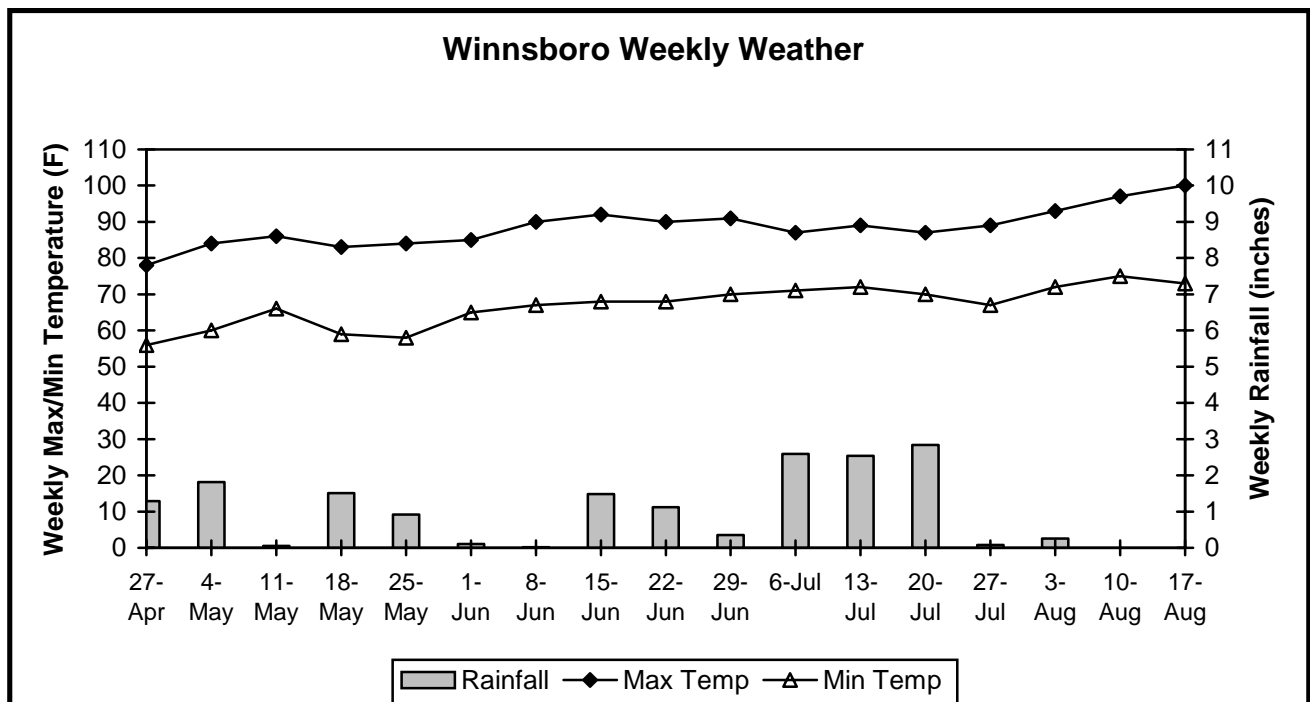


Table 8. Yield performance of grain sorghum hybrids in the hybrid performance trial at Winnsboro, 2007.

Brand/hybrid	Yield		Grain mst %	Test wt lb/bu	Mid- head DAP	Plant ht in	Head type 1-5	Head exert in
	2007	2-yr avg						
	lb/acre							
Pioneer brand 84G62	6,392	5,370	13.6	58.9	61	50	4.0	2
Dekalb DKS53-67	6,272	-	13.8	59.5	62	52	3.5	6
Terral TV1050	6,063	4,964	13.8	58.8	62	53	2.5	4
NC+ 7B51	5,866	4,979	13.7	58.7	60	53	3.5	5
Terral TV96H91	5,757	5,300	14.6	59.0	60	55	5.0	8
Dekalb DKS37-07	5,729	5,079	13.3	59.1	58	52	4.0	5
Terral TV9421	5,708	4,714	13.5	57.9	60	53	4.0	5
Asgrow A603	5,657	-	13.5	58.5	62	49	3.5	6
NC+ 8R18	5,626	-	13.9	59.7	64	61	3.0	7
Terral TV93S72	5,616	4,800	13.3	57.7	59	49	4.0	4
Dyna-Gro DG754B	5,603	-	13.4	55.3	60	48	4.0	7
NC+ 7R83	5,530	4,902	13.4	58.3	64	48	3.5	5
Asgrow A571	5,529	4,925	13.7	56.5	62	55	4.0	10
Terral TV96H81	5,488	4,738	13.8	58.8	62	52	3.0	8
Dyna-Gro DG751B	5,315	4,476	13.0	60.0	63	55	4.0	3
Dyna-Gro DG758B	5,306	-	14.0	54.7	62	52	3.5	4
Dekalb DKS54-00	5,216	4,752	14.1	57.9	64	56	3.5	7
NC+ 7R34	5,078	-	13.5	59.3	63	58	3.5	6
Dyna-Gro DG780B	4,954	4,438	13.2	60.5	66	54	1.5	4
Golden Acres GA3799	4,267	-	15.0	55.3	68	53	3.5	10
Average	5,603		13.7	58.2	62	53	3.5	6
CV, %	10		2	2	2	8	13	51
LSD (0.10)	687		4.4	1.9	2	7	1.0	5