

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

Location Summary

Rainfall was low for May, June and July, except for a 4-inch rain in early June (see below). Yields were low, ranging from 626 to 3983 lb/acre, with a trial average of 2806 lb/acre (Table 7). The relatively dry conditions, particularly in mid-June to early July, resulted in plants showing severe drought-stress symptoms. Test weights were high and head exertion was very poor. Lodging ranged from 0 to 60%, with a trial average of 15%. This trial was harvested after Hurricane Katrina, so the lodging was primarily caused by storm damage and not charcoal rot. Even though there was some noticeable lodging caused by charcoal rot before the storm, it was impossible after the storm to delineate what caused the lodging. The combine was able to gather a large portion of the lodged heads.

Soil Type.....Gigger silt loam
 Row Spacing.....40 inches
 Seeding Rate.....8 seed/ft
 Fertilization
 Sidedress.....80 lb N/acre
 Herbicides.....
 Pre: Atrazine @ 1 qt/a + Dual
 @ 1 pt/a
 Insecticides.....
 Warrior @ 2 oz/a (two applns);Steward @
 6.4 oz/a + Battery @ 2oz/a; Decis @ 2 oz/a;
 Battery @ 2 oz/a; Baythroid@ 2 oz/a (three
 applns)
 Previous Crop.....Cotton
 Planting Date.....April 27
 Harvest Date.....August 31

Winnsboro Weekly Weather

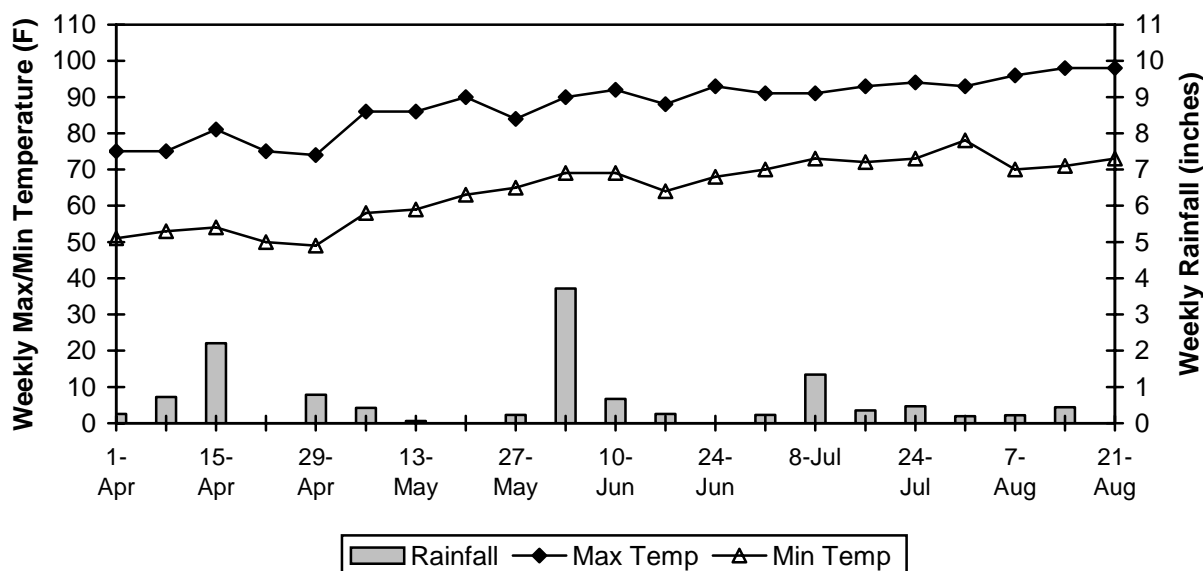


Table 7. Performance of grain sorghum hybrids at the Macon Ridge Research Station at Winnsboro, La., 2005.

Brand/hybrid	Yield		Gr mo	Test wt	Mid- head	Plant ht	Head exer	Head type	Lo
	2005	2-Yr avg							
	-----lb/a-----	%							
Golden Acres 3827	3983	4194	16.4	58.3	66	45	5	4.5	10
Monsanto MTC15525	3974	-	13.9	61.0	68	42	3	3.0	5
Monsanto MSC332	3916	-	14.2	59.3	68	42	3	3.0	0
Terral TVX95B303	3892	4194	14.0	59.4	66	44	3	4.5	10
Monsanto MSC531	3884	-	12.6	55.3	69	38	2	3.5	15
Golden Acres 3552	3495	-	13.4	59.1	65	42	2	3.5	10
Terral TVX95B324	3355	-	13.7	58.8	67	40	1	4.0	5
Terral TVX94A427	3302	-	13.6	57.8	66	43	2	3.5	10
Dyna-Gro DGX1743	3301	-	12.9	58.3	68	37	1	3.5	5
Dyna-Gro DGX1785	3233	-	13.5	60.3	67	40	1	3.0	20
Asgrow A571	3177	4087	13.3	57.8	69	39	2	3.0	5
Dekalb DKS53-11	3152	3891	14.8	59.2	69	43	2	3.5	10
Pioneer 84G62	3087	3876	12.9	57.5	66	42	1	4.0	20
Pioneer 83G66	3083	4409	14.1	58.2	67	42	1	3.5	25
Terral TVX95B323	3060	-	13.8	60.6	69	43	3	3.0	15
NC+ 7R83	3026	3986	12.6	56.5	69	39	1	2.5	0
Dyna-Gro DGX1756	3024	-	12.9	58.1	65	37	2	3.5	5
Dyna-Gro DGX1759	2982	-	14.3	59.1	66	43	2	3.5	10
Dyna-Gro DGX1742	2910	-	13.2	58.3	66	38	2	4.0	20
Terral TV9421	2868	3462	14.3	56.7	65	42	2	4.0	5
Dyna-Gro DG751B	2837	3579	14.2	60.0	67	41	1	3.0	20
Garst 5401	2797	-	13.6	59.5	65	42	3	3.5	35
Golden Acres 444E	2768	3537	12.7	57.5	65	39	1	4.0	5
Dekalb DKS54-00	2739	3769	13.8	59.0	69	44	3	3.0	15
Terral TV96H81	2725	3735	13.0	59.4	66	42	0	3.0	40
Terral TVX94A415	2703	-	13.0	59.6	66	41	1	2.0	10
Asgrow A567	2678	3583	14.7	58.9	67	43	2	3.0	15
Dyna-Gro DG762B	2671	3521	12.6	57.2	64	42	2	4.0	20
Terral TV93S72	2664	2928	14.5	59.1	66	42	4	3.5	10
Terral TV1050	2609	3035	13.8	57.7	68	40	1	3.0	25
Garst 5515	2583	3544	13.3	57.6	66	36	2	3.5	5
Dyna-Gro DGX1758	2497	-	13.7	58.8	66	41	3	3.5	5
Dyna-Gro DGX1784	2494	-	13.0	60.4	72	42	2	3.0	25
Garst 5440	2468	3420	12.8	58.5	66	37	1	4.0	20
Dyna-Gro DG780B	2314	3879	13.7	60.5	70	41	1	2.5	35
Dyna-Gro DGX1755	2199	3559	12.9	58.9	67	41	2	3.5	25
Terral TV97H17	1933	3593	14.4	59.9	70	44	1	3.0	40
PSC Exp-401	1917	-	15.1	59.1	70	50	5	4.0	35
PSC GS105	1852	-	14.6	58.8	74	43	4	3.5	5
PSC Exp-408	1816	-	14.7	59.6	68	44	3	4.0	60
PSC GS104	1496	-	14.2	56.9	76	44	4	3.5	15

Terral TVX96A317	626	-	14.0	55.4	76	42	3	3.0	60
Average	2806		13.7	58.6	68	41	2	3.5	15
CV, %	24.6		3.6	1.8	2.9	6.2	68.0	14.1	120
LSD (0.10)	812		0.6	1.7	2	3	2	0.5	25
