

Grain Sorghum Performance at the Rice Research Station- Crowley

Location Summary

Grain yields ranged from 2,633 lb/a for Monsanto MSD472 to 4,562 lb/a for Pioneer brand 84G62 (Table 4). There was over 10 inches of rain in July, which may have accounted for, at least in part, the moderate levels of foliar diseases (anthracnose and aerial blight). Borer damage was also significant, ranging from 9 to 31% of heads within plots that were not harvestable.

Soil Type.....	Crowley silt loam
Row Spacing.....	30 inches
Seeding Rate.....	5 seed/ft
Fertilization.....	
Preplant	0-66-66
Topdress (May 24).....	25-0-0
(June 12).....	80-0-0
Herbicides.....	
Dual II Magnum @ 1.3 pt/a +	
Atrazine @ 3.5 pt/a (5/29/06)	
Insecticides...Mustang Max @ 4 oz/a (6/12/06)	
Previous Crop.....	Fallow
Planting Date.....	May 17
Harvest Date.....	August 31

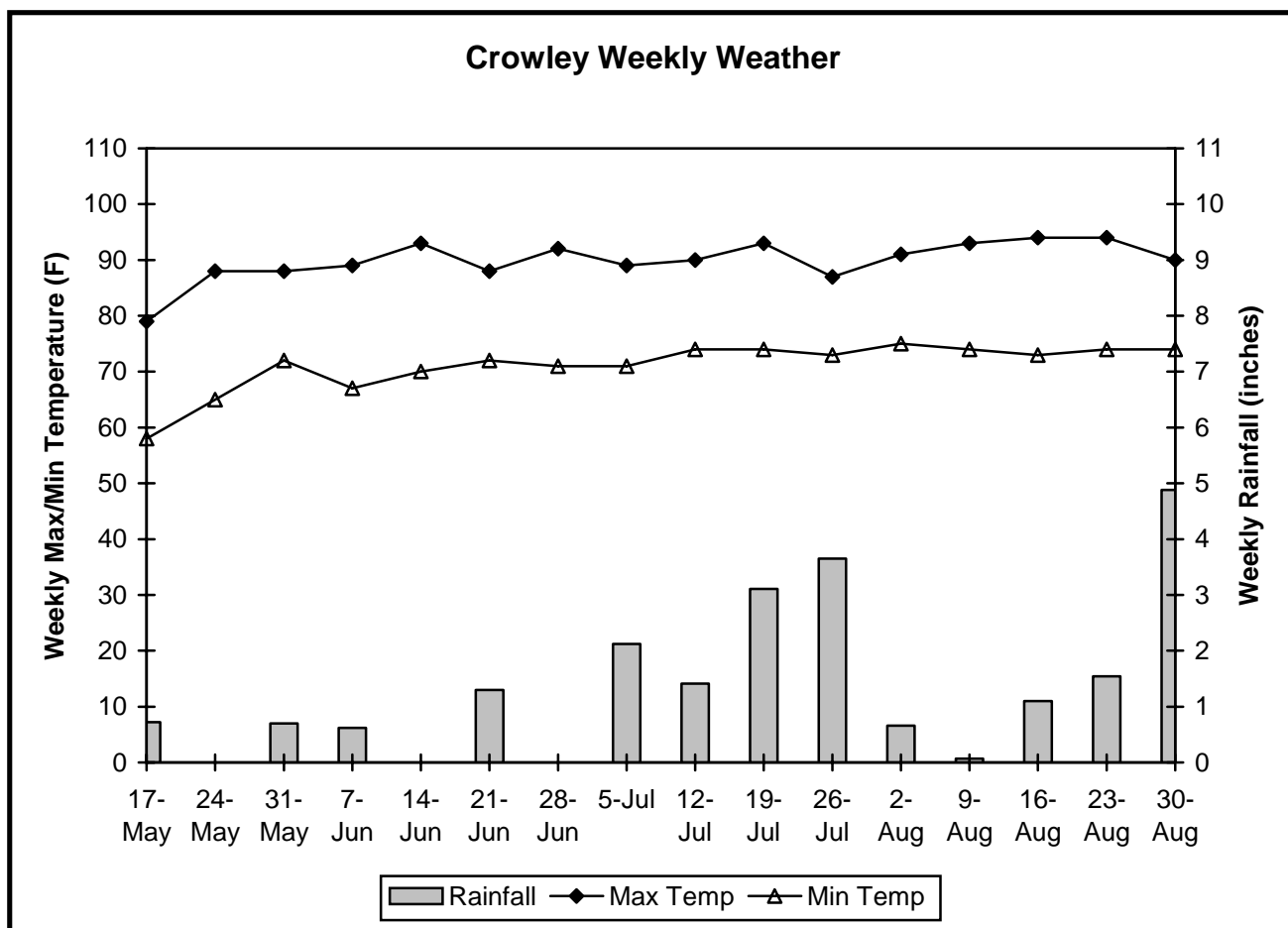


Table 4. Performance of hybrids in the grain sorghum hybrid performance trial at Rice Research Station at Crowley, La., 2006.

Brand/hybrid	Yield		Gr mo	Test wt	Mid- head	Pl ht	Head exer	Head type	Foliar dis ¹	Midge	Borer
	2006	2-yr Avg									
	-----lb/acre-----		%	lb/bu	DAP	in	in	0-5	%	%	%
Pioneer brand 84G62	4,562	4,473	14.7	54.2	59	50	4	2	40	10	12
Garst 5401	4,270	4,379	14.6	52.6	55	56	8	2	35	10	17
Golden Acres Gen. GA3827	4,252	4,571	16.1	52.1	57	52	8	3	25	10	14
NC+ 7B51	4,245	-	14.3	48.5	56	46	4	3	40	15	9
Dekalb DKS54-00	4,197	4,507	16.1	53.5	61	58	9	3	10	5	19
Terral TVX96H91	4,036	4,240	15.3	53.9	58	52	6	3	20	10	14
Terral TV96H81	3,942	4,169	14.7	50.4	58	52	5	2	40	5	14
Dekalb DKS37-07	3,800	-	15.2	50.6	54	49	6	3	15	10	27
Dyna-Gro DG780B	3,648	3,688	15.7	53.5	61	53	4	1	20	5	9
Asgrow A571	3,613	4,146	14.7	47.9	57	49	7	2	45	10	15
NC+ 7R83	3,567	4,247	15.1	48.2	57	48	6	2	30	5	9
Garst 5515	3,556	3,731	14.8	50.1	56	47	6	3	45	5	18
Monsanto MSC432	3,531	-	17.3	45.6	62	59	10	2	10	10	11
Golden Acres Gen. GA444E	3,469	3,911	14.2	47.5	56	47	6	3	60	15	10
Terral TV9421	3,370	3,921	14.6	46.2	55	51	9	3	50	20	16
Dyna-Gro DG751B	3,344	3,472	15.5	51.7	59	54	5	2	35	5	18
Terral TV1050	3,321	4,129	15.3	49.8	59	47	3	2	25	15	13
Terral TV93S72	3,275	3,729	14.3	51.1	56	48	9	3	35	5	22
Monsanto MSD477	3,170	-	14.9	52.8	54	52	10	3	20	10	31
Garst 5360	3,075	-	16.0	48.1	56	49	8	2	45	5	13
Dyna-Gro DG762B	2,994	3,871	15.9	48.1	55	50	6	2	40	10	30
Monsanto MSD472	2,633	-	15.4	48.0	54	44	7	3	50	15	18
Average	3,630	4,074	15.2	50.2	57	50	7	2	30	10	15
CV, %	9		4	4	1	5	25	16	22	47	59
LSD (0.10)	380		0.8	3.4	2	3	2	1	10	5	11

¹ Anthracnose and aerial blight (see text for rating details)