

Grain Sorghum Performance at the Rice Research Station- Crowley

Location Summary

Grain yields ranged from 3,639 lb/a for Dekalb DKS37-07 to 5,138 lb/a for Dekalb DKS5400 (Table 5). There seemed to be a good relationship for yield, bird damage, and mold. In general, as bird damage and mold increased, yields decreased. Test weights were low, ranging from 45.4 to 57.9 lb/bu with a trial average of only 53.8 lb/bu. On average, the lower test weights were associated with hybrids that had the highest incidence of mold.

Soil Type.....	Crowley silt loam
Row Spacing.....	30 inches
Seeding Rate.....	5 seed/ft
Fertilization.....	8-24-24 @ 250 lb/a (5/10) 46-0-0 @ 90 lb/a (5/23)
Herbicides.....	Dual Magnum II @ 1.3 pt/a + Atrazine @ 3.5 pt/a (5/9)
Insecticides.....	Mustang Max @ 3 oz/a (5/18) Mustang Max @ 4 oz/a (7/23)
Previous Crop.....	fallow
Planting Date.....	April 20
Harvest Date.....	August 8

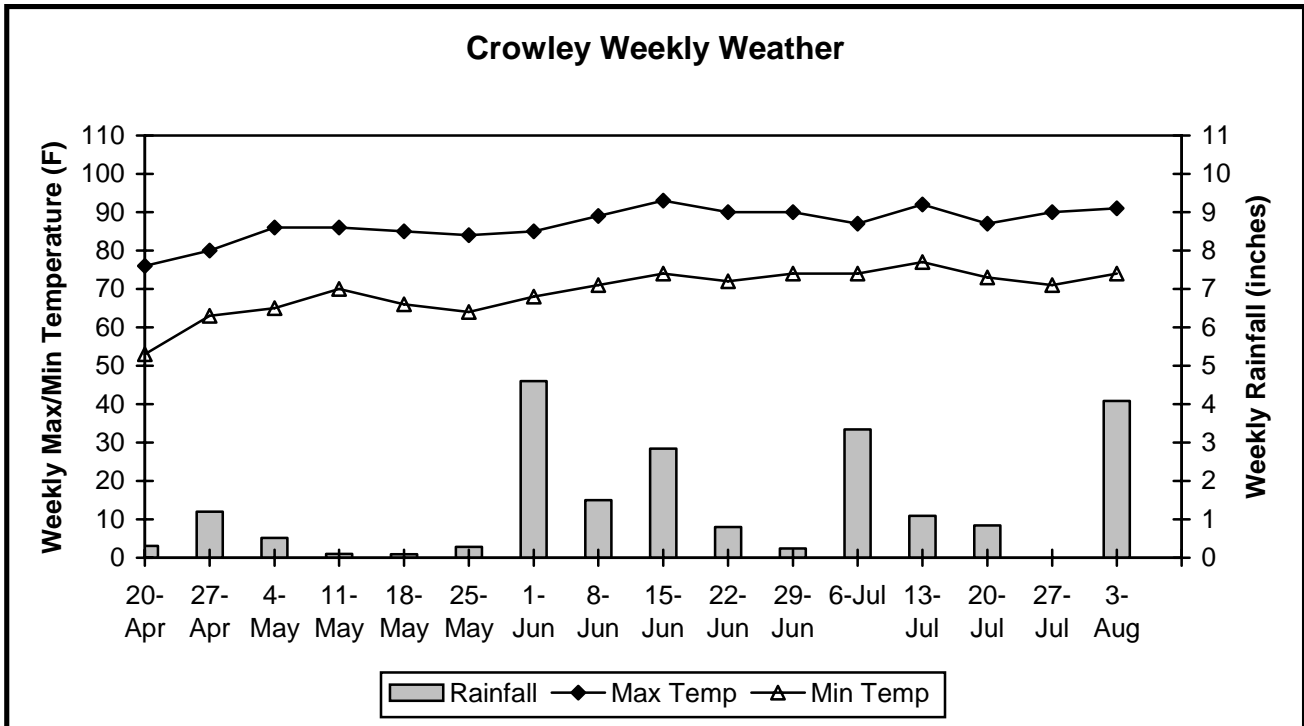


Table 5. Yield performance of grain sorghum hybrids in the hybrid performance trial at Crowley, 2007.

Brand/hybrid	Yield		Grain mst %	Test wt lb/bu	Mid- head DAP	Plant ht in	Head type 1-5	Head exert in	Bird %	Anth score 0-9	Mold %
	2007	2-yr avg									
	lb/acre										
Dekalb DKS54-00	5,138	4,668	18.3	45.4	66	59	3	10	5	1	5
Pioneer brand 84G62	5,059	4,811	17.1	57.6	61	57	3	8	10	3	10
Dekalb DKS53-67	5,021	-	17.3	57.3	71	54	3	9	10	2	10
Dyna-Gro DG758B	4,970	-	17.1	56.4	60	55	3	10	10	2	10
Dyna-Gro DG751B	4,758	4,051	17.3	57.3	62	59	2	6	10	4	10
NC+ 8R18	4,742	-	17.0	55.6	63	62	2	10	10	2	10
Terral TV96H81	4,658	4,300	16.0	57.6	60	59	2	8	10	5	10
Terral TV96H91	4,540	4,288	17.3	56.4	65	56	2	9	10	2	10
Dyna-Gro DG780B	4,476	4,062	17.8	57.9	65	59	1	6	10	2	10
Asgrow A571	4,354	3,984	15.9	46.2	59	55	3	10	20	3	20
NC+ 7R83	4,303	3,935	16.1	55.0	60	56	2	9	10	3	10
Asgrow A603	4,145	-	16.2	47.3	64	55	3	12	15	3	15
Golden Acres GA3799	4,112	-	21.8	53.1	69	55	3	6	5	2	5
Terral TV9421	4,112	3,741	16.1	55.6	57	55	4	12	25	3	25
Dyna-Gro DG754B	4,069	-	15.9	52.7	60	56	3	12	20	5	20
Terral TV93S72	4,042	3,659	15.7	56.3	58	56	3	11	20	5	20
NC+ 7B51	4,030	4,138	16.5	53.0	57	55	3	1	25	4	25
Terral TV1050	3,863	3,592	16.2	48.4	60	58	2	8	10	2	10
NC+ 7R34	3,776	-	16.4	57.5	61	58	3	13	10	2	10
Dekalb DKS37-07	3,639	3,720	17.0	50.0	59	51	3	11	20	2	20
Average	4,390		16.9	53.8	62	56	3	9	10	3	10
CV, %	8		5	12	7	3	16	51	39	36	39
LSD (0.10)	417		1.0	10.9	5	2	1	NS	5	1	5