

Table 6. Yield performance of grain sorghum hybrids in the non-irrigated hybrid performance trial at St. Joseph, 2007.

Brand/hybrid	Yield		Grain mst	Test wt	Mid- head	Plant ht	Head type	Head exert	Bird	Anth score
	2007	2-yr avg								
	lb/acre		%	lb/bu	DAP	in	1-5	in	%	0-9
Dekalb DKS54-00	8,070	7,402	16.7	57.9	55	56	3.5	10	5	1
NC+ 8R18	8,059	-	16.7	57.9	57	59	2.5	7	0	1
Golden Acres GA3799	7,476	-	23.6	56.3	57	55	4.5	4	0	1
Dekalb DKS53-67	7,318	-	15.4	59.6	54	52	3.5	6	10	1
Asgrow A571	7,122	6,704	15.1	57.1	56	51	3.5	6	5	1
Pioneer brand 84G62	7,100	7,026	15.6	60.4	55	52	4.0	4	10	2
Dyna-Gro DG780B	6,491	6,435	15.8	59.3	57	54	2.5	4	0	3
Asgrow A603	6,378	-	16.2	59.7	54	54	3.5	8	10	1
NC+ 7R83	6,316	6,290	16.9	57.3	56	53	3.5	6	5	1
Terral TV1050	6,175	6,102	15.6	58.1	54	53	3.0	6	10	1
Terral TV93S72	6,028	5,880	14.1	55.1	51	49	3.5	7	25	1
Terral TV96H81	6,015	6,346	15.8	59.2	54	53	2.0	4	15	3
Terral TV96H91	6,011	5,870	16.3	59.1	55	49	3.5	7	10	1
Dyna-Gro DG758B	5,990	-	15.5	57.3	56	45	4.0	5	5	0
Dyna-Gro DG751B	5,954	6,008	13.8	58.8	54	55	2.5	5	15	2
NC+ 7R34	5,388	-	14.3	59.5	53	56	3.0	8	20	3
Terral TV9421	5,223	5,686	14.4	57.2	50	50	4.0	6	30	2
NC+ 7B51	5,017	5,663	15.2	57.3	52	49	4.0	6	15	1
Dyna-Gro DG754B	4,189	-	15.2	57.9	52	48	3.5	6	25	1
Dekalb DK37-07	3,178	4,739	14.7	58.5	49	44	4.5	8	40	1
Average	6,200		15.8	58.2	54	52	3.5	6	10	1
CV, %	16		7	1	2	4	11	27	57	42
LSD (0.10)	1,167		1.3	1.2	2	4	0.5	3	10	1

Table 7. Yield performance of grain sorghum hybrids in the irrigated hybrid performance trial at St. Joseph, 2007.

Brand/hybrid	Yield		Grain mst	Test wt	Mid- head	Plant ht	Head type	Head exert	Bird	Anth score
	2007	2-yr avg								
	lb/acre		%	lb/bu	DAP	in	1-5	in	%	0-9
Dekalb DKS54-00	8,587	7,958	17.8	58.2	56	61	3.5	11	0	1
Pioneer brand 84G62	7,689	6,986	17.0	60.3	54	55	4.0	6	5	2
Dekalb DKS53-67	7,666	-	17.8	60.4	54	55	3.5	6	5	2
Golden Acres GA3799	7,659	-	24.3	54.2	57	56	4.0	10	0	1
Asgrow A571	7,426	6,999	16.9	56.0	56	59	3.5	11	0	1
NC+ 8R18	7,399	-	18.0	57.5	56	60	3.0	8	0	1
Dyna-Gro DG780B	7,043	6,795	16.6	59.3	58	57	2.5	5	0	3
NC+ 7R83	7,024	6,829	17.1	56.4	56	57	3.0	10	0	1
Terral TV96H91	6,714	6,601	17.9	59.2	55	58	3.5	9	5	1
Terral TV1050	6,687	6,437	15.8	58.0	54	55	3.0	10	5	1
Asgrow A603	6,609	-	17.0	58.6	55	58	3.5	12	0	1
Dyna-Gro DG751B	6,281	6,619	15.1	59.5	54	55	2.5	6	10	3
Dyna-Gro DG758B	6,242	-	17.3	57.5	54	52	4.0	6	0	0
Terral TV96H81	6,223	6,376	16.2	58.3	53	57	2.0	5	10	3
NC+ 7R34	6,103	-	17.0	59.8	52	59	3.5	8	10	2
Dyna-Gro DG754B	5,732	-	15.7	56.2	51	54	4.0	9	10	1
Terral TV9421	5,291	6,066	15.5	57.5	50	50	4.5	11	20	2
NC+ 7B51	5,214	5,852	15.5	57.6	52	51	3.5	9	15	2
Terral TV93S72	5,213	5,897	15.7	57.0	50	55	4.5	9	20	2
Dekalb DKS37-07	4,625	5,411	18.2	58.1	49	53	5.0	7	10	1
Average	6,571		17.1	58.0	54	55	3.5	8	5	2
CV, %	9		3	1	2	4	10	28	85	39
LSD (0.10)	681		0.7	0.8	2	4	0.5	NS	5	1