

Grain Sorghum

1983 Missouri Crop Performance



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MISSOURI CROP PERFORMANCE

1983

GRAIN SORGHUM

This report is a contribution of the Department of Agronomy, University of Missouri Agricultural Experiment Station, which reports on Research Project 363. The work was supported in part by funds from the Missouri Seed Improvement Association and fees from the companies submitting hybrids for evaluation. The University of Missouri began its performance testing program for grain sorghum hybrids in 1958. The number of commercial entries in the program has grown from 40 in 1958 to 116 today.

The large number of commercial hybrids available makes selection of a superior hybrid difficult. To intelligently select from among available hybrids, a reliable, unbiased and up-to-date source of information is needed. The objective of the University of Missouri's performance testing program is to provide this information. The tests are conducted under as uniform conditions as possible. Small plots are used to reduce the chance of soil and climatic variations occurring from one plot to another. Results obtained should aid the individual grower in judging the relative merits of many of the commercial grain sorghum hybrids available in Missouri.

COMPARING HYBRIDS

The performance of a hybrid cannot be measured with absolute precision. Uncontrollable variability is involved in the determination of each yield average. This variability is often the result of soil disuniformity, but many other conditions may contribute to it. Because variability exists in all field experimentation, statistics are used as a tool to assist in making decisions. The statistical tool used in the analysis of trials reported here is the test of least significant differences (L.S.D.). The L.S.D. is quite simple to apply; when two entries are compared and the difference between them is greater than the L.S.D., the entries are judged to be significantly different. Differences smaller than the L.S.D. may have occurred by chance and are judged to be non-significant.

Hybrid performance may seem inconsistent from location to location and from year to year because of differences in rainfall, temperature, soil fertility, diseases, insects, and other factors. To obtain an improved estimate of relative hybrid performance, results from more than one location or year should be considered. In this publication, an effort has been made to facilitate comparisons across years and locations.

In each trial, the "top yielding" hybrids have been identified. These hybrids are those that did not yield significantly less than the highest yielding hybrid in the test. They are denoted in the tables by an asterisk (*) next to their yields. Thus, by going down a column, the highest yielding hybrids in a trial can be readily identified. By going across, the relative performance of a hybrid during several years or at several locations can be evaluated. From the standpoint of yield, the most desirable hybrids will be those among the "top yielding" hybrids (that is, have an asterisk) the greatest number of times.

Although yield usually receives first consideration, other agronomic characteristics may be equally important when selecting a grain sorghum hybrid. Stalk strength and resistance to insects and diseases are among the hybrid characteristics that deserve careful consideration. Poor stalk strength and/or susceptibility to pests may decrease harvestable yield because of lodging or

stand loss. For growers considering grain sorghum as a double crop, maturation within the available season is essential. Therefore, when selecting a hybrid the data presented on agronomic characteristics other than yield should also be considered.

The Missouri Agricultural Experiment Station does not make specific recommendations for hybrids. It is suggested that farmers growing a new hybrid for the first time consider the information contained in this report and then grow a small acreage to determine adaptability. This should be the practice for all new hybrids regardless of origin.

Full-season grain sorghum performance trials were planted at five locations in 1983. These were the Greenley Memorial Center near Novelty in Knox County, the Agronomy Research Center near Columbia in Boone County, the Don Culver farm near Montrose in Henry County, the Southwest Center near Mt. Vernon in Lawrence County, and the Carl Keasler farm near Parma in Stoddard County. See Figure 1, Page 7 for the locations of successful trials in various parts of Missouri.

Double crop grain sorghum performance trials were planted at three locations in 1983. These were the Agronomy Research Center near Columbia in Boone County, the Don Culver farm near Montrose in Henry County, and the Delta Research Center near Portageville in Pemiscot County. See Figure 1, Page 7 for the locations of these trials.

EXPERIMENTAL PROCEDURES

Entries. All producers of hybrid seed were eligible to enter hybrids in the 1983 evaluation trials. Participation was voluntary and no control was exercised by the program over which, or how many, hybrids were entered. However, to help finance the evaluation program, a fee of \$60 per location was charged for each hybrid entered by the seed producer. In addition to the fee entries, a broader-based program was continued in which certain widely-grown hybrids were included on a no-fee basis. Identification of these widely-grown hybrids was made through a telephone survey of companies which market commercial hybrids in Missouri.

Field Plot Design. All tests were arranged in lattice field plot designs with three replications. Plots were four rows wide and 25 feet long at all locations. The two center rows were harvested to measure yield.

Plot Management. The tests were planted and harvested with commercial equipment modified for small plot work. Details of the management practices followed at each location are given in Table 1, Page 5.

Data Recorded. Bloom date was recorded when 50% of the plants in a plot were shedding pollen. The other agronomic characteristics were evaluated at harvest. Compactness was scored on a scale of 1 to 5. A score of 1 indicates the most compact or tight head while 5 indicates the most lax or loose head. Lodging was determined by counting the number of culms inclined more than 30 degrees from vertical. This value was converted to a percentage of the total number of culms in each plot. Yield was measured in number of pounds per acre at a moisture content of 12.5%. An electronic moisture tester was used for all moisture readings. For conversion of yield to bushels/acre, divide pounds/acre by 56.

In addition to the notes taken on the standard grain sorghum trials, test weights were included on some of the double crop trials. Test weight provides a measure of relative maturity at frost.

TABLE 1. CULTURAL PRACTICES USED IN THE 1983 GRAIN SORGHUM EVALUATION TRIALS.

Location (County)	Cooperator	Fertilizer N-P205-K20	Herbicide	Pest- icide	Row Width (in)	Density (Plants/A)	Date of Planting	Date of Harvest
Novelty (Knox)	Randell Smoot*	180- 60-120	Ramrod + Atrazine	None	30	104,500 6 Pl/Ft	5-18-83	10-04-83
Columbia (Boone)	John Poehlmann*	210-134-136	Ramrod + Atrazine	None	30	104,500 6 Pl/Ft	5-20-83	10-05-83
Montrose (Henry)	Don Culver	100- 95-110	Ramrod + Atrazine	None	30	104,500 6 Pl/Ft	5-26-83	10-14-83
Mt. Vernon (Lawrence)	Norman Justus*	125- 96- 96	Ramrod + Atrazine	None	30	104,500 6 Pl/Ft	5-25-83	10-13-83
Parma (Stoddard) ¹	Carl Keasler	150- 0 - 0	Ramrod + Atrazine	None	38	82,500 6 Pl/Ft	5-27-83	9-13-83
Columbia (Boone) ¹	John Poehlmann*	150-100-120	Ramrod + Atrazine	None	30	104,500 6 Pl/Ft	7-08-83	11-14-83
Montrose (Henry) ¹	Don Culver	50- 95-110	Ramrod + Atrazine	None	30	104,500 6 Pl/Ft	6-29-83	11-01-83
Portageville (Pemiscot)	Joe Scott*	158- 45- 95	Ramrod + Atrazine	Cygon, Mesurol	30	104,500 6 Pl/Ft	7-06-83	10-27-83

* Experiment Station Managers.

¹ Double Crop trial

TABLE 2. RAINFALL AND TEMPERATURE DURING THE 1983 GROWING SEASON.

LOCATION	MONTH	RAINFALL			TEMPERATURE		
		INCHES	DEPART FROM NORMAL	RAINY DAYS	°F	DEPART FROM NORMAL	90° OR ABOVE
NOVELTY *	MAY	2.1	-2.1	5	58.7	-4.0	0
	JUNE	1.6	-2.3	6	71.7	+0.2	4
	JULY	2.0	-2.0	1	79.8	+3.6	22
	AUGUST	1.9	-2.0	4	80.5	+6.5	24
COLUMBIA	MAY	4.9	+0.5	9	60.4	-3.7	0
	JUNE	3.8	+0.1	9	71.7	-1.2	0
	JULY	2.0	-1.5	2	79.7	+1.9	19
	AUGUST	3.3	+0.3	5	82.1	+6.1	22
MONTROSE *	MAY	2.3	-2.4	5	63.2	-3.0	0
	JUNE	2.6	+2.1	6	72.6	-2.0	5
	JULY	1.1	-2.7	4	80.3	+1.1	23
	AUGUST	1.4	-2.3	3	84.0	+5.9	29
MT. VERNON	MAY	6.9	+2.1	10	61.3	-3.5	0
	JUNE	2.7	-2.3	6	69.8	-3.4	0
	JULY	4.8	+1.7	3	78.2	0.0	13
	AUGUST	—	—	—	—	—	—
PARMA *	MAY	5.8	+0.7	7	66.5	—	0
	JUNE	2.7	-1.1	6	75.8	—	11
	JULY	0.2	-3.6	1	83.5	—	28
	AUGUST	3.6	0.0	4	83.7	—	28
PORTAGEVILLE	MAY	10.4	+5.9	9	64.7	-4.9	0
	JUNE	5.1	+1.4	7	75.3	-2.0	6
	JULY	1.1	-2.3	4	82.8	+2.1	25
	AUGUST	0.5	-2.3	0	83.1	+4.1	29

— DATA NOT AVAILABLE.

* NOVELTY (KIRKSVILLE DATA), MONTROSE (APPLETON CITY DATA), PARMA (DEXTER DATA).

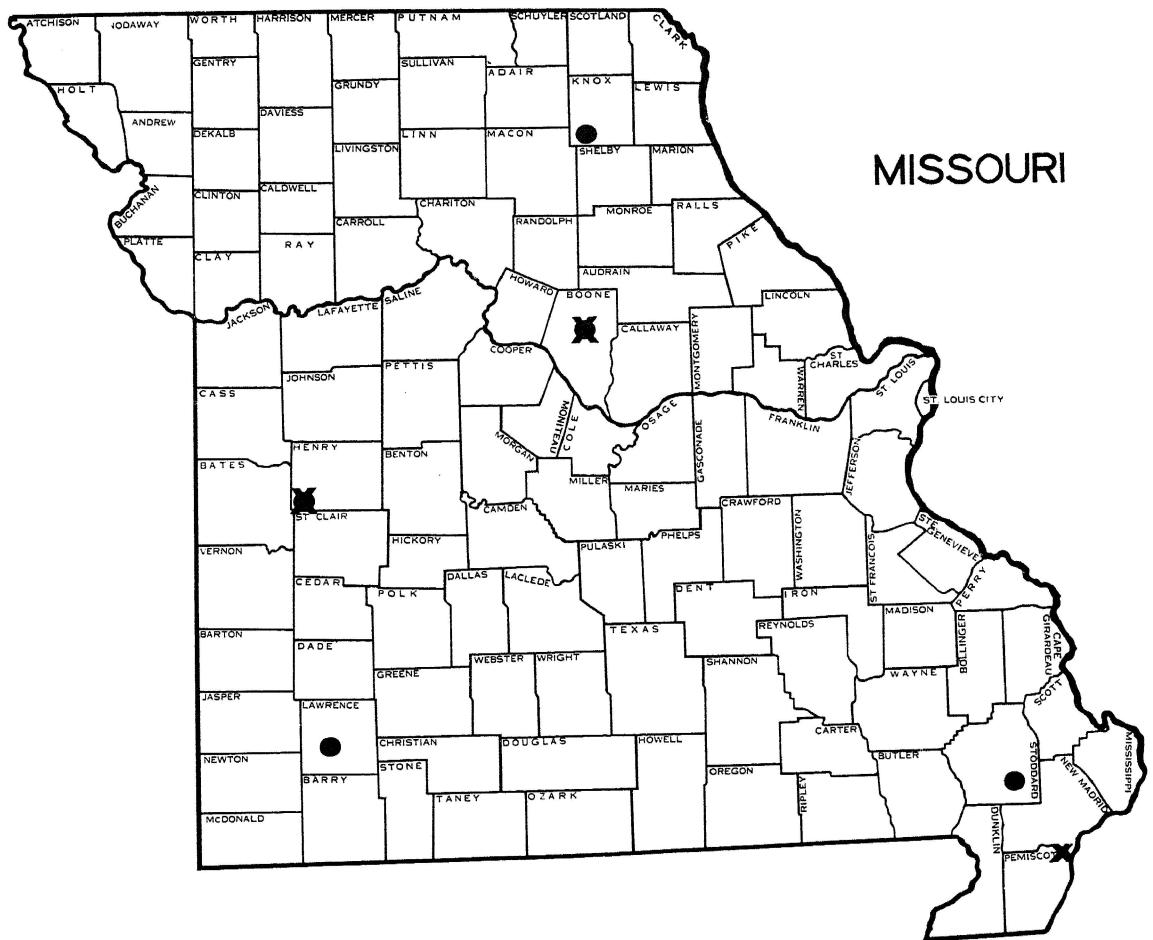


FIG. 1. TEST SITE LOCATIONS.

- STANDARD TEST
- ✖ DOUBLE CROP TEST
- ❖ STANDARD AND DOUBLE CROP TESTS

RESULTS

Results for each location include data on 50% bloom date, plant height, percent off-type heads, percent lodging, moisture at harvest and yield adjusted to 12.5% moisture.

Grain sorghum hybrids were evaluated in five regular and three double crop trials in 1983 (Figure 1, Page 7). Management was as uniform as possible across locations. Details are presented in Table 1, Page 5.

Results for individual full season locations are presented in Tables 4 through 8. Significant variation among hybrids was observed at each location. The differences between the highest and lowest yielding hybrids are summarized in Table 3. Results from Novelty and Parma were more variable than usual because of below normal moisture in the area of the experiment.

Double crop grain sorghum trials were planted at Montrose and Portageville in spring fallowed ground near the time wheat would normally be harvested. At Columbia the double crop grain sorghum was planted following wheat which yielded around 65 bushels per acre. Since the average frost date for central Missouri is about October 13, and frost had not occurred by October 25, the grain sorghum was sprayed with paraquat in order to kill it and end the growing season as frost normally would. Results for individual double crop grain sorghum tests are presented in Tables 10 through 12.

Table 3. Grain Sorghum Yield Summary

Location	Number of Entries	Double Crop	Yield Range (pounds/acre)	Average	Data Table
Full Season Tests					
Novelty	87	no	2009-4123	3490	4
Columbia	87	no	4021-6254	5339	5
Montrose	87	no	1669-3723	2720	6
Mt. Vernon	87	no	5035-8389	7490	7
Parma	87	no	3256-9414	6373	8
Double Crop Tests					
Columbia	51	yes	1202-3762	2530	10
Montrose	51	yes	527-1465	950	11
Portageville	51	yes	1159-6225	4030	12

TABLE 4. PERFORMANCE OF GRAIN SORGHUM HYBRIDS EVALUATED NEAR NOVELTY ON THE GREENLEY MEMORIAL CENTER IN 1981-83.
PLANTED: 18 MAY 1983. HARVESTED: 4 OCTOBER 1983. PLANTED RATE 6 SEEDS/FT.

BRAND-HYBRID	1983										YIELD (LB/ACRE)
	50% BLOOM DATE	PLANT HEIGHT (IN)	TYPE HEADS (%)	CMPT- NESS (%)	OFF- HEADS (%)	LODGING (%)	1983	1982	1981	1983	1982
NC+ 174	8-14	37	0.0	2.0	0.0	0.0	0.0	4123*	6235**	9437*	--
WARNER W-866DR	8-13	40	0.0	2.0	0.0	0.0	0.0	4114*	5749*	7935	--
FUNK G-550	8- 9	39	0.0	2.6	0.0	0.0	0.0	4089*	5749*	7935	--
GOLDEN HARVEST H-505BW	8- 9	38	0.0	2.6	0.0	0.0	0.0	4037*	5973*	--	--
JACQUES 606	8- 9	42	0.0	2.0	0.0	0.0	0.0	4098*	5973*	--	--
HELENA 1330 DR	8- 3	44	0.0	2.0	0.0	0.0	0.0	3956*	5688*	--	--
MCCURDY M57YG	8- 9	39	0.0	2.0	0.0	0.0	0.0	3918*	5912*	--	--
DEKALB DK-69	8-16	41	0.0	2.3	0.0	0.0	0.0	3915*	--	--	--
O'S GOLD GS712	8-12	38	0.0	2.0	0.0	0.0	0.0	3896*	6216*	8217	--
FUNK G-522DR##	8- 9	39	0.0	2.6	0.0	0.0	0.0	3890*	5937*	8374	--
FUNK HU 5247	8-12	44	0.0	2.3	0.0	0.0	0.0	3890*	--	--	--
PAYMASTER R1090##	8- 9	41	0.0	4.0	0.0	0.0	0.0	3855*	--	--	--
GOLDEN HARVEST H-545B	8-11	41	0.0	2.3	0.0	0.0	0.0	3855*	5951*	--	--
STAUFFER SEEDS S9750	8-11	36	0.0	2.3	0.0	0.0	0.0	3851*	--	--	--
PIioneer 8222	8- 5	41	0.0	2.6	0.0	0.0	0.0	3723*	5579*	--	--
PAYMASTER DR1125	8-11	36	0.0	2.3	0.0	0.0	0.0	3739*	6136*	--	--
GROWERS SG 40GDR##	8-14	35	0.0	2.3	0.0	0.0	0.0	3767*	5755*	7730	--
PAG 6658	8- 7	39	0.0	2.6	0.0	0.0	0.0	3771*	--	--	--
SEEDTEC WAC 715DR	8-11	45	0.0	2.0	0.0	1.0	0.0	3789*	5997*	--	--
GROWERS SG 40A	8- 7	39	0.0	2.6	0.0	0.0	0.0	3783*	--	--	--
FUNK G-623	8- 8	35	0.0	3.0	0.0	0.0	0.0	3755*	5736*	7537	--
STAUFFER SEEDS 734GR	8- 7	37	0.0	2.6	0.0	0.0	0.0	3752*	5684*	7870	--
DEKALB DK-59##	8-13	39	0.0	2.6	0.0	0.0	0.0	3704*	5513*	8730	--
DEKALB DK-57##	8- 5	41	0.0	2.6	0.0	0.0	0.0	3699*	5509*	7357	--
FONTANELLE 6651	8- 9	39	0.0	2.0	0.0	0.0	0.0	3695*	5973*	--	--
ASGROW MUSTANG	8-10	34	0.0	2.3	0.0	0.0	0.0	3683*	5721*	8318	--
PAG 4462	8-11	37	0.0	2.6	0.0	0.0	0.0	3683*	--	--	--
WARNER W-744DR#	8-10	33	0.0	3.0	0.0	0.0	0.0	3657*	6153*	7557	--
NC+ 178	8- 9	35	0.0	1.6	0.0	0.0	0.0	3657*	5705*	--	--
CARGILL 55	8- 9	33	0.0	2.6	0.0	0.0	0.0	3650*	--	--	--
SEEDTEC WAC D701G	8- 9	43	0.0	2.6	0.0	0.0	0.0	3653*	5777*	--	--
PAG 5656	8-10	35	0.0	2.6	0.0	0.0	0.0	3655*	--	--	--
SEEDTEC WAC 710DR	8-11	39	0.0	2.6	0.0	0.0	0.0	3654*	6208*	--	--
GROWERS GSC 1299	8-12	39	0.0	1.6	0.0	0.0	0.0	3657*	--	--	--
NORTHRUP KING 2778##	8-10	41	0.0	2.6	0.0	0.0	0.0	3573*	5403	8329	--
ASGROW COLT	8-19	39	0.0	3.0	0.0	0.0	0.0	3573*	5921*	8425	--
TRIUMPH TWO 80-D	8-14	39	0.0	2.5	0.0	0.0	0.0	3567*	6165*	--	--
DEKALB DK-42Y##	8- 4	41	0.0	3.0	0.0	0.0	0.0	3556*	5517*	7527	--
PAYMASTER R109-A##	8- 7	36	0.0	3.3	0.0	0.0	0.0	3515*	--	--	--
WARNER W-851DR	8- 9	37	0.0	2.0	0.0	0.0	0.0	3538*	6031*	8232	--
COKER 7675	8-10	35	0.0	2.0	0.0	0.0	0.0	3535*	5286*	8149	--
FUNK G-1711	8- 9	40	0.0	2.3	0.0	0.0	0.0	3522*	--	--	--
GOLD TAG 565	8-10	35	0.0	2.6	0.0	0.0	0.0	3511*	5873*	7855	--
PIioneer 8300	8-10	42	0.0	3.0	0.0	0.0	0.0	3499*	6022*	--	--
MFA GS-10H#	8- 7	37	0.0	3.0	0.0	0.0	0.0	3497*	5525*	7811	--
NC+ 271	8- 9	43	0.0	3.0	0.0	0.0	0.0	3491*	5545*	7476	--
CONLENE WRANGLER	8- 9	37	0.0	2.6	0.0	0.0	0.0	3490*	--	--	--
DEKALB DK-61	8-12	43	0.0	3.0	0.0	0.0	0.0	3487*	5476	8355	--
AGRATECH GK-712G	8- 9	36	0.0	2.3	0.0	0.0	0.0	3482*	--	--	--
NORTHRUP KING X8139	8- 9	37	0.0	1.6	0.0	0.0	0.0	3460*	--	--	--
NORTHRUP KING 2244##	8- 5	33	0.0	3.3	0.0	0.0	0.0	3450*	5530*	--	--
ORO G XTRA	8-12	41	0.0	2.3	0.0	0.0	0.0	3446*	5720*	7539	--
CARGILL 40	8-10	35	0.0	3.0	0.0	0.0	0.0	3442*	--	--	--
TRIUMPH TWO 70-D	8-11	37	0.0	2.3	0.0	0.0	0.0	3416*	5410*	--	--
PAG 5514	8- 7	33	0.0	2.3	0.0	0.0	0.0	3416*	5921*	7147	--
ASGROW TOPAZ##	8-12	35	0.0	2.0	0.0	0.0	0.0	3393*	5853*	8756	--
MFA GS-301A##	8-10	37	0.0	2.6	0.0	0.0	0.0	3392*	5703*	8646	--
CONLENE TOP Hand II	8-10	39	0.0	3.0	0.0	0.0	0.0	3380*	--	--	--
FONTANELLE 5583	8- 9	37	0.0	2.3	0.0	0.0	0.0	3357*	5952*	--	--
TERRA HT-126DR	8- 7	37	0.0	3.0	0.0	0.0	0.0	3377*	5912*	--	--
TAYLOR-EVANS T-E Y77	8-14	40	0.0	2.3	0.0	0.0	0.0	3357*	5766*	--	--
PAYMASTER DG1195	8- 9	36	0.0	2.3	0.0	0.0	0.0	3351*	5500*	--	--
STAUFFER SEEDS 677GR	8- 7	41	0.0	2.6	0.0	0.0	0.0	3351*	--	9021*	--
TAYLOR-EVANS T-E Y-101-G##	8- 6	33	0.0	2.6	0.0	0.0	0.0	3332*	5501	9186*	--
DEKALB DK-64	8- 5	39	0.0	3.0	0.0	29.7	0.0	3331*	5212*	--	--
CARGILL 70	8- 8	35	0.0	2.6	0.0	0.0	0.0	3324*	5552*	7790	--
GOLDEN HARVEST H-510B	8-12	36	0.0	2.0	0.0	0.0	0.0	3310	6175*	--	--
PAG 662	8-13	40	0.0	3.0	0.0	0.0	0.0	3302	5597*	--	--
O'S GOLD GS5100	8- 6	38	0.0	2.6	0.0	0.0	0.0	3301	6652*	8257	--
FUNK G-522A##	8- 5	33	0.0	3.0	0.0	0.0	0.0	3292	6841*	8134	--
GOLD TAG 585	8-12	36	0.0	2.6	0.0	0.0	0.0	3271	5853*	8695	--
GROWERS GSC 1295	8- 5	36	0.0	2.3	0.0	0.0	0.0	3266	--	--	--
MCCURDY M73	8- 9	37	0.0	2.6	0.0	0.0	0.0	3255	5763*	--	--
STAUFFER SEEDS 530GR	8- 1	43	0.0	3.3	0.0	0.0	0.0	3204	5000*	7501	--
TAYLOR-EVANS T-E Y-101-R##	8- 8	34	0.0	3.0	0.0	0.0	0.0	3124	5512*	8460	--
PAYMASTER 1099	8-10	35	0.0	2.0	0.0	0.0	0.0	3176	5322*	--	--
TRIUMPH TWO 64YG	8- 3	33	0.0	2.6	0.0	0.0	0.0	3120	5745*	8331	--
PIioneer 8515	8- 5	41	0.0	3.0	0.0	0.0	0.0	3098	5373*	7935	--
HELENA 1225 DR	8- 6	40	0.6	2.6	0.0	0.0	0.0	3073	5558*	--	--
AGRATECH GK-802G	8-11	39	0.0	2.3	0.0	0.0	0.0	3053	--	--	--
RING AROUND RA 787	8- 7	41	0.0	2.3	0.0	0.0	0.0	3038	6018*	--	--
WARNER W-685DR	8- 2	36	0.0	2.6	0.0	0.0	0.0	2956	--	--	--
TAYLOR-EVANS T-E DINERO	8- 6	39	0.0	2.3	0.0	0.0	0.0	2976	6052*	7360	--
WARNER W-839DR	8- 7	35	0.0	2.3	0.0	0.0	0.0	2789	6135*	7726	--
ASGROW CORRAL	8- 7	34	0.0	2.6	0.0	0.0	0.0	2673	5646*	7309	--
STAUFFER SEEDS S9533	8- 4	40	0.0	3.3	0.0	0.0	0.0	2634	--	--	--
MARTIN	8- 5	38	0.0	3.6	0.0	0.0	0.0	2009	4774	5877	--

-- DATA NOT AVAILABLE.
** HIGHEST YIELDING HYBRID IN THE TEST.
* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

WIDELY-GROWN HYBRID.
BIRD RESISTANT.

TABLE 5. PERFORMANCE OF GRAIN SORGHUM HYBRIDS EVALUATED NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER IN 1981-83.
PLANTED: 20 MAY 1983. HARVESTED: 5 OCTOBER 1983. PLANTED RATE 6 SEEDS/FT.

BRAND-HYBRID	DATE	1983				LODGING (%)	YIELD (LB/ACRE)			
		50% BLOOM	PLANT HEIGHT	HEADS/NESS (%)	SCORE					
		(IN)	(IN)	(%)		1983	1982	1981		
ASGROW TOPAZ##	7-29	45	0.0	3.0	0.0	0.0	6254**	7206*	6065	
ASGROW CORZAL	7-21	49	0.0	4.3	0.0	23.5	6154*	7008*	5341	
HELENA 1330 DR	7-23	55	0.0	2.3	0.0	--	6033*	6750	--	
PAYMASTER 1099	7-27	42	0.0	2.3	0.0	--	6060*	6775	--	
ASGROW COLT	8-1	51	0.0	2.3	0.0	3.5	5330*	7477*	6188	
GOLDEN HARVEST H-505BW	7-27	43	0.2	2.6	0.0	--	5973*	--	--	
ASGROW MUSTANG	7-27	41	0.0	3.0	0.0	0.7	5320*	6905*	6711*	
PAG 5665	7-29	44	0.0	4.0	0.0	--	5339*	--	--	
PAYMASTER DR1125	7-29	42	0.0	3.0	0.0	0.0	5447*	7200*	--	
PIONEER 8515	7-24	50	0.0	5.0	0.0	0.6	9.7	5213*	7530*	5654
NORTHROP KING X8139	7-27	41	0.0	2.3	0.0	--	5443*	--	--	
WARMER W-744DR#	7-30	50	0.0	3.0	0.0	0.0	0.4	6333*	7454*	6104*
HGT 174	7-30	44	0.0	2.0	0.0	0.0	1.0	5330*	7071*	6241*
DEKALB DK-69	8-2	43	0.0	2.3	0.0	--	5783*	--	--	
WARMER W-866DR	7-18	51	0.0	5.3	0.0	--	5770*	--	--	
FAG 4462	7-35	43	0.0	5.3	0.0	--	5769*	--	--	
STAUFFER SEEDS 734GR	7-36	43	0.0	2.0	0.0	0.0	0.0	5766*	7033*	5035
JACQUES 685	7-30	46	0.0	2.3	0.0	--	5750*	7233*	--	
GOLDEN HARVEST H-510B	8-1	51	0.0	1.6	0.0	--	5740*	6214	--	
GOLD TAG 565	7-26	40	0.0	4.0	0.0	0.0	0.0	5742*	7174*	6007
PAG 662	7-30	46	0.0	4.0	0.0	1.0	--	5710*	5630	--
HELENA 1225 DR	7-29	47	0.6	3.0	0.0	--	5676*	6663	--	
WARMER W-539DR	7-30	45	0.0	2.0	0.0	0.0	0.4	56456*	7160*	6180
FUNK G-522A##	7-27	42	0.0	5.6	0.0	0.0	0.0	5618*	6797	6119
HGT 178	7-30	43	0.0	2.3	0.0	--	5602*	6935*	--	
COKER 7675	7-30	45	0.0	5.0	0.0	0.0	0.2	5605*	7206*	6071
SEEDTEC IAC 715DR	7-28	56	0.0	3.0	0.0	0.9	--	5523*	6425	--
FUNK G-1711	7-29	56	0.0	1.6	0.0	--	5537*	--	--	
MCCOURDY M737	7-27	45	0.9	2.0	0.0	0.0	--	5570*	6830	--
TAYLOR-EVANS T-E Y-101-R##	8-1	45	0.2	2.6	0.0	0.6	0.6	5567*	6673	6008
DEKALB DK-57##	7-24	43	0.0	3.3	0.0	0.4	1.2	5551*	7056*	5752*
TRIUMPH THO CO-D	8-1	45	0.2	2.6	0.2	0.0	--	5540*	7450*	--
GROWERS GSC 1295	7-30	45	0.0	3.0	0.0	--	5547*	--	--	
SEEDTEC IAC D701G	7-30	44	0.0	2.3	0.0	0.0	--	5545*	6836	--
RING AROUND RA 787	7-30	50	0.0	2.6	0.0	--	5546*	7349*	--	
MCCOURDY M57YG	7-30	47	0.0	2.6	0.0	0.0	--	5466*	7433*	--
TERA HT-126DR	7-30	45	0.0	2.6	0.0	0.0	--	5460*	7107*	--
GROWERS GSC 1299	7-23	43	0.0	2.3	0.0	0.0	--	5473*	--	--
SEEDTEC IAC 710DR	7-29	47	0.0	2.3	0.0	0.0	--	5456*	6932*	--
FCHTANELLE 6651	7-31	43	0.0	2.3	0.0	0.0	--	5442*	6826*	--
DEKALB DK-64	7-27	54	0.0	1.6	0.0	0.0	--	5430*	7005*	--
TRIUMPH THO 70-D	7-28	49	0.0	2.5	0.0	0.0	--	5429*	7305*	--
PNG 6593	7-23	44	0.0	3.3	0.0	--	5422*	--	--	
FUNK G-522DR##	7-30	47	0.5	2.6	0.0	0.0	5.2	5427*	7516*	6135
IMA GS-103##	7-23	41	0.0	2.6	0.0	0.0	3.2	5339*	6861	5820
FUNK G-623	7-29	47	0.0	3.6	0.0	0.0	0.2	5330*	6510	5732
COHESER W-TRAILER	7-31	45	0.0	2.3	0.0	--	5309*	--	--	
PIONEER 8300	7-29	44	0.0	2.0	0.0	--	5300*	7569*	--	
ACRATEG GK-802G	7-30	42	0.2	2.3	0.0	--	5299*	--	--	
WARMER W-851DR	7-31	46	0.0	2.0	0.0	--	5272*	7490*	6940*	
FONTANELLE 5533	7-29	43	0.0	3.0	0.0	0.0	4.9	5255*	6527*	--
FUNK G-550	7-25	45	0.0	1.6	0.0	0.9	15.0	5221*	6510*	5791*
TAYLOR-EVANS T-E DINERO	7-31	43	1.4	2.6	0.0	0.0	0.6	5186	7116*	6715*
O'S GOLD G6712	7-31	43	0.4	2.0	0.0	0.0	3.0	5165	6225	6372*
CONLEES TOP HAND II	7-29	44	0.0	3.0	0.0	--	5161	--	--	
GOLDEN HARVEST H-545B	7-37	52	0.0	2.6	0.3	0.4	--	5154	6321	--
ORG G XTRA	8-1	45	0.0	1.6	0.0	0.0	1.9	5154	7675**	5559
DEKALB DK-59##	7-31	43	0.0	1.6	0.0	0.0	1.5	5144	7356*	6372*
IMA GS-501A##	7-23	37	0.2	3.5	0.0	0.0	0.7	5137	7053*	5953
PAYMASTER DG1195	7-31	43	0.0	3.0	0.0	0.0	1.15	5111	6123	--
O'S GOLD G55100	7-23	40	0.2	3.0	0.0	0.0	0.2	5111	6933*	6009
CARGILL 55	7-27	49	0.0	3.0	0.0	--	5105	--	--	
PAYMASTER R1090H##	7-27	45	0.0	5.0	0.0	--	5091	--	--	
PAYMASTER R109-A##	7-31	41	0.0	3.3	0.0	--	5044	--	--	
DEKALB DK-61	7-31	43	0.0	2.6	0.0	4.8	5033	6503	6526*	
CARGILL 40	7-24	47	0.0	5.0	0.0	--	5000	--	--	
TRIUMPH THO 64YG	7-23	41	0.0	2.3	0.0	0.0	0.6	4905	7407*	6139
FUNK HN 5247	7-30	41	0.2	2.0	0.0	--	4931	--	--	
GROWERS SG 40GBR##	7-23	47	0.0	2.3	0.0	0.0	0.0	4932	6666	5731
PIONEER C222	7-29	45	0.0	3.0	0.0	--	4929	6221	--	
STAUFFER SEEDS S9533	7-24	49	0.0	3.0	0.0	--	4926	--	--	
STAUFFER SEEDS 530GR	7-24	43	0.0	2.0	0.0	0.0	15.2	4857	6882	5031
CARGILL 70	7-30	40	0.0	2.3	0.0	0.0	0.6	4853	6933*	6530*
ACRATEG GK-712G	7-30	39	0.0	2.0	0.0	--	4835	--	--	
DEKALB DK-42Y##	7-23	43	0.0	2.3	0.0	0.0	0.4	4846	7282*	5957
PAG 5514	7-29	43	0.2	3.0	0.0	0.0	0.0	4836	6502	6530*
NORTHROP KING 2778##	7-27	43	0.0	3.0	0.0	0.5	0.4	4833	7203*	5976
GROWERS SG 40A	7-31	42	0.0	2.3	0.0	--	4765	--	--	
STAUFFER SEEDS 677GR	7-23	49	0.0	2.0	0.0	--	2.1	4763	--	6529*
STAUFFER SEEDS S9750	7-31	44	0.0	2.0	0.0	--	4755	--	--	
NORTHROP KING 2244##	7-26	43	0.0	3.3	0.2	0.0	--	4693	6674	--
GOLD TAG 555	7-30	41	0.0	3.3	0.0	0.0	0.4	4663	7343*	6025
WARMER W-855DR	7-21	43	0.0	3.0	0.0	--	4660	--	--	
NC# 271	7-29	49	0.0	2.0	0.0	2.3	8.9	4645	7539*	6290*
TAYLOR-EVANS T-E Y77	8-3	48	0.0	2.0	0.0	0.3	1.2	4625	6554	--
TAYLOR-EVANS T-E Y-101-G##	7-29	32	4.4	3.3	0.0	0.0	0.8	4537	7338*	6776*
MARTIN	7-26	45	0.0	3.6	0.0	0.0	0.0	4821	4824	4466

TRIAL AVERAGE
L.S.D. AT .05

-- DATA NOT AVAILABLE.
** HIGHEST YIELDING HYBRID IN THE TEST.
* HYBRID WHICH DID NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.
WIDELY-GROWN HYBRID.
DISEASE RESISTANT.

TABLE 6. PERFORMANCE OF GRAIN SORGHUM HYBRIDS EVALUATED NEAR MONTROSE ON THE DON CULVER FARM IN 1983 AND THE BARNHART FARM IN 1981-82.
PLANTED: 26 MAY 1983. HARVESTED: 14 OCTOBER 1983. PLANTED RATE 6 SEEDS/FT.

BRAND-HYBRID	1983										
	50% BLOOM DATE	PLANT HEIGHT (IN)	TYPE (%)	CMPT-HEADS	NESS (%)	OFF-LODGING (%)			YIELD (LB/ACRE)		
						1983	1982	1981	1983	1982	1981
PAYMASTER R1090##	8-12	36	0.0	3.3	0.0	--	--	3723**	--	--	--
FUNK G-1711	8-15	35	0.0	2.0	0.0	--	--	3359*	--	--	--
SEEDTEC WAC D701G	8-13	36	0.0	2.0	0.0	0.0	--	3344*	6347	--	--
TAYLOR-EVANS T-E Y-101-R##	8-10	32	0.0	2.6	0.0	0.0	0.0	3310*	5769	3250	3887
HCT 271	8-13	35	0.0	3.0	0.0	0.0	0.0	3249*	6658*	6492	--
DEKALB DK-64	8-8	38	0.0	2.3	1.1	0.0	--	3240*	6249	--	--
FUNK G-550	8-5	35	0.0	2.0	0.0	0.0	1.2	3229*	6600*	3440	--
SEEDTEC WAC 715DR	8-12	33	0.0	2.3	0.0	3.9	--	3135*	6474	--	--
CARGILL 70	8-12	31	0.0	2.3	0.0	0.0	0.0	3052*	6103	3493	--
PIONEER 8515	8-3	38	0.0	2.6	0.0	0.0	0.0	3036*	6492	3745	--
HCT 174	8-14	34	0.0	2.3	0.0	0.0	3.7	3028*	6894*	4013	--
STAUFFER SEEDS S9750	8-15	34	0.0	2.0	0.0	--	--	3012*	--	--	--
STAUFFER SEEDS 677GR	8-12	34	0.0	2.6	0.0	--	0.0	3011*	--	3363	--
CARGILL 55	8-12	35	0.0	3.0	0.0	--	--	3007	--	--	--
ASCROW MUSTANG	8-13	30	0.0	2.0	0.0	0.0	0.0	2999	6181	3915	--
PAYMASTER DG1195	8-17	35	0.0	2.3	0.0	0.0	--	2991	6764*	--	--
WARNER W-744DR#	8-12	33	0.0	2.6	0.0	0.0	0.0	2991	7152*	4325*	--
FONTANELLE 5533	8-12	32	0.0	2.3	0.0	0.0	--	2972	6671*	--	--
TERRA HT-126DR	8-13	32	0.0	2.0	0.0	0.0	--	2961	6394	--	--
PAG 5655	8-12	34	0.0	3.0	0.0	--	--	2952	--	--	--
GOLDEN HARVEST H-545B	8-14	33	0.0	3.0	0.0	0.0	--	2935	6363	--	--
STAUFFER SEEDS S9533	8-4	36	0.0	2.3	0.0	--	--	2918	--	--	--
ORO G XTRA	3-15	34	0.0	1.6	0.0	0.0	0.0	2917	6729*	4073	--
DERALB DK-42Y#	8-11	36	0.0	2.6	0.0	0.0	0.0	2891	5362	2902	--
SEEDTEC WAC 710DR	8-14	36	0.0	2.3	0.0	0.0	--	2886	6633*	--	--
FUNK W-5247	8-13	34	0.0	2.0	0.0	--	--	2868	--	--	--
PAYMASTER 1099	8-13	32	0.0	2.3	0.0	0.0	--	2863	6394	--	--
GOLD TAG 535	8-14	34	0.0	2.0	0.0	0.0	0.0	2841	6708*	3731	--
AGRATECH GK-802G	8-14	35	0.0	2.6	0.0	--	--	2839	--	--	--
RING AROUND RA 787	8-11	37	0.0	2.6	0.0	0.0	--	2835	6733*	--	--
MCCURDY M737	8-12	31	0.0	2.3	0.0	0.0	--	2825	5961	--	--
HELENA 1330 DR	8-11	35	0.0	2.3	0.0	5.2	--	2819	6118	--	--
TRIUMPH TWO 64YG	8-11	33	0.0	2.0	0.0	0.0	0.7	2819	6230	4336*	--
STAUFFER SEEDS 530GR	8-4	34	0.0	2.6	0.0	0.0	0.6	2815	5844	3984	--
TAYLOR-EVANS T-E DINERO	8-13	33	0.0	2.6	0.0	0.0	0.7	2810	6036	4098	--
DERALB DK-59##	8-16	34	0.0	2.6	0.0	0.0	0.0	2800	6394	3266	--
WARNER W-866DR	8-14	35	0.0	1.6	0.0	--	--	2795	--	--	--
STAUFFER SEEDS 734GR	8-12	32	0.0	2.3	0.0	0.0	0.0	2794	6047	4293*	--
NORTHRUP KING 2770##	8-12	33	0.0	2.6	0.0	0.0	0.0	2793	6195	4555*	--
PIONEER 8300	8-13	33	0.0	3.0	0.0	--	--	2784	6972*	--	--
O'S GOLD GS5100	8-10	31	0.0	2.6	0.0	0.0	0.0	2782	6392	3702	--
DEKALB DK-61	8-15	34	0.0	2.3	0.0	0.0	0.0	2780	6167	4092	--
JACQUES 606	8-15	36	0.0	2.3	0.0	0.0	--	2776	6226	--	--
GOLD TAG 565	8-13	30	0.0	2.3	0.0	0.0	0.0	2755	6463	3732	--
PIONEER 8222	8-17	34	0.0	3.0	0.0	--	--	2738	6600*	--	--
ASCROW TOAZ#	8-15	32	0.0	2.3	0.0	0.0	0.0	2730	6751*	3227	--
FUNK G-623	8-12	31	0.0	2.6	0.0	0.0	0.0	2729	6032	3632	--
FUNK G-522A##	8-13	34	0.0	3.0	0.0	0.0	0.0	2726	6416	4315*	--
WARNER W-839DR	8-13	29	0.0	2.0	0.0	0.0	0.0	2725	6423	3483	--
GROCIERS SS 40A	8-12	31	0.0	2.6	0.0	--	--	2723	--	--	--
HELENA 1225 DR	8-14	33	0.0	2.3	0.0	0.0	--	2714	6703*	--	--
FONTANELLE 6651	8-16	33	0.0	2.6	0.0	0.0	--	2702	6254	--	--
COKE 7675	8-14	32	0.0	2.0	0.0	0.0	0.0	2701	6422	4066	--
PAYMASTER DR1125	8-13	32	0.0	2.6	0.0	0.0	--	2699	6490	--	--
TRIUMPH TWO 80-D	8-16	30	0.0	1.3	0.0	0.0	--	2692	6613*	--	--
TAYLOR-EVANS T-E Y-101-G##	8-11	33	0.0	2.3	0.0	0.0	0.0	2682	6524	4048	--
GOLDEN HARVEST H-505BW	8-14	35	0.0	2.6	0.0	--	--	2669	--	--	--
ASCROW CORRAL	8-2	35	0.0	3.3	0.0	0.0	0.0	2667	6044	5087**	--
CONLEE TOP HAND II	8-13	33	0.0	2.6	0.0	--	--	2559	--	--	--
CARGILL 40	8-3	31	0.0	3.0	0.0	--	--	2525	--	--	--
WARNER W-625DR	8-2	37	0.0	3.3	0.0	--	--	2568	--	--	--
GROWERS SG 400DR##	8-13	32	0.0	2.3	0.0	0.0	0.0	2568	6339	3423	--
FUNK G-522DR#	8-14	30	0.0	2.0	0.0	0.0	2.2	2559	6379	3449	--
NORTHRUP KING XS139	8-16	31	0.0	2.3	0.0	--	--	2548	--	--	--
MCCURDY M57YG	8-16	30	0.0	2.0	0.0	0.0	--	2546	7077*	--	--
PAG 662	8-15	32	0.0	3.0	0.0	--	--	2533	6164	--	--
PAG 668	8-12	34	0.0	2.6	0.0	--	--	2517	--	--	--
O'S GOLD GS712	8-15	33	0.0	2.0	0.0	0.0	0.0	2516	6305	4552*	--
GROWERS GSC 1299	8-18	32	0.0	2.3	0.0	--	--	2490	--	--	--
GROWERS GSC 1295	8-13	33	0.0	2.0	0.0	--	--	2470	--	--	--
GOLDEN HARVEST H-510B	8-12	34	0.0	2.0	0.0	0.0	--	2445	6028	--	--
PAYMASTER R109-A##	8-13	32	0.0	2.3	0.0	--	--	2432	--	--	--
NORTHRUP KING 2244##	8-11	30	0.0	2.3	0.0	0.0	--	2429	6376	--	--
PAG 4462	8-13	32	0.0	3.0	0.0	--	--	2304	--	--	--
MFA GS-10##	8-13	31	0.0	2.6	0.0	0.0	0.0	2373	6230	3922	--
TAYLOR-EVANS T-E Y77	8-17	34	0.0	2.0	0.0	0.4	--	2365	6857*	--	--
AGRATECH GK-712G	8-12	32	0.0	2.5	0.0	--	--	2362	--	--	--
DERALB DK-57##	8-14	32	0.0	5.0	0.0	0.0	0.0	2350	6534*	3757	--
PAG 5514	8-12	32	0.0	2.6	0.0	0.0	0.0	2207	6024	3210	--
MFA GS-301A##	8-12	33	0.0	2.3	0.0	0.0	0.0	2200	6037	4204	--
TRIUMPH TWO 70-D	8-13	33	0.0	2.0	0.0	0.0	--	2197	7205*	--	--
ASCROW COLT	8-19	34	0.0	2.3	4.0	0.0	0.0	2180	7335**	4492*	--
WARNER W-851DR	8-14	33	0.0	2.3	0.0	0.0	0.0	2134	6526	3991	--
HCT 178	8-15	32	0.0	2.3	0.0	0.0	--	2120	6441	--	--
CONLEE WRANGLER	8-13	30	0.0	1.6	0.0	--	--	1969	--	--	--
MARTIN	8-11	30	0.0	2.3	0.0	0.0	0.0	1834	4365	3075	--
DERALB DK-69	8-19	34	0.0	2.3	0.0	--	--	1669	--	--	--

TRIAL AVERAGE
L.S.D. AT .05

33 0.0 2.3 0.0 0.0 0.5 2720 6289 3845
714 803 874

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

WIDELY-GROWN HYBRID.

BIRD RESISTANT.

TABLE 7. PERFORMANCE OF GRAIN SORGHUM HYBRIDS EVALUATED NEAR MT. VERNON ON THE SOUTHWEST CENTER IN 1981-83.
PLANTED: 25 MAY 1983. HARVESTED: 13 OCTOBER 1983. PLANTED RATE 6 SEEDS/FT.

BRAND-HYBRID	1983										
	DATE	50% BLOOM	PLANT HEIGHT	TYPE (%)	CMPT-NESS	LODGING (%)			YIELD (LB/ACRE)		
						1983	1982	1981	1983	1982	1981
FUNK G-522DR##	8-1	50	0.1	3.0	0.0	0.0	1.4	8389**	7291*	6594*	--
GOLDEN HARVEST H-545B	7-31	59	0.0	3.0	0.0	0.0	--	8349*	7832*	--	--
HELENA 1225 DR	7-31	51	0.3	3.0	0.0	0.0	--	8263*	6993	--	--
NC+ 271	7-31	52	0.0	3.0	0.0	0.0	24.3	8254*	7763*	6203	--
WARNER W-839DR	7-31	52	0.8	3.0	0.0	0.0	--	8254*	7590*	6937*	--
ASGROW TOPAZ##	8-2	53	0.2	3.0	0.0	0.0	11.4	8193*	7637*	6333*	--
PAYMASTER R1090##	7-30	51	0.3	4.6	0.0	0.0	--	8173*	--	--	--
SEEDTEC WAC 715DR	7-31	61	0.0	2.6	0.0	0.0	--	8161*	7617*	--	--
WARNER W-744DR#	7-31	52	0.1	4.3	0.0	0.0	21.1	8121*	8112*	6069	--
SEEDTEC WAC 710DR	7-31	51	0.0	3.0	0.0	0.0	--	8090*	7371*	--	--
TAYLOR-EVANS T-E DINERO	7-31	50	0.0	3.0	0.0	0.0	2.1	8049*	7544*	6792*	--
GOLDEN HARVEST H-505BW	8-1	55	0.1	3.0	0.0	0.0	--	8007*	--	--	--
FUNK G-1711	8-1	53	0.1	2.6	0.0	0.0	--	8006*	--	--	--
PIONEER 8300	7-31	54	0.1	4.0	0.0	0.0	--	7933*	7704*	--	--
HELENA 1330 DR	8-1	61	0.2	2.6	0.0	0.0	--	7901*	7248*	--	--
PAG 4462	7-29	55	0.6	3.3	0.0	0.0	--	7900*	--	--	--
MFA GS-10##	7-31	45	0.3	4.0	0.0	0.0	7.2	7895*	7789*	6018	--
MCCURDY M737	7-31	45	0.0	3.3	0.0	0.0	--	7883*	7531*	--	--
NC+ 174	8-2	53	0.1	2.3	0.0	0.0	45.1	7832*	7468*	5492	--
AGRATECH GK-802G	7-31	51	0.3	3.0	0.0	0.0	--	7831*	--	--	--
DEKALB DK-69	8-5	53	0.1	2.6	0.0	0.0	--	7833*	--	--	--
FUNK G-623	7-31	47	0.1	3.0	0.0	0.0	0.4	7846*	7331*	5948	--
PAG 5665	7-31	46	0.3	4.0	0.0	0.0	--	7833*	--	--	--
GROWERS SG 40GBR##	7-31	49	0.5	3.0	0.0	0.0	3.3	7827*	7556*	6229	--
GROWERS SG 40A	7-31	45	0.0	2.3	0.0	0.0	--	7826*	--	--	--
FUNK G-522A##	7-31	48	0.0	4.3	0.0	0.0	6.7	7801*	7770*	5736	--
STAUFFER SEEDS 734GR	7-31	49	0.1	3.0	0.0	0.0	4.6	7792*	7535*	6313*	--
ASGROW COLT	8-5	54	0.1	3.0	0.0	0.0	70.4	7797*	7251*	6457	--
COKER 7675	8-2	48	0.0	2.6	0.0	0.0	9.9	7795*	7439*	6312*	--
GOLDEN HARVEST H-510B	8-1	49	0.1	2.6	0.0	0.0	--	7747*	7436*	--	--
O'S GOLD GS5100	7-31	48	0.1	3.0	0.0	0.0	2.5	7741*	7133*	6495*	--
PAG 662	8-1	55	0.1	4.3	0.0	0.0	--	7733*	7053	--	--
SEEDTEC WAC D701G	7-31	54	0.6	2.3	0.0	0.0	--	7709*	6880	--	--
TRIUMPH THO 70-D	7-31	51	0.1	3.0	0.0	0.0	--	7701*	6971	--	--
TRIUMPH THO 64YG	7-31	46	0.0	3.0	0.0	0.0	1.1	7693*	7618*	7109*	--
PAYMASTER R109-A##	7-31	49	0.1	3.6	0.0	0.0	--	7677*	--	--	--
DEKALB DK-42Y##	7-30	52	0.1	2.6	0.0	0.0	1.4	7620*	6138	6083	--
CARGILL 70	7-30	48	0.0	2.6	0.0	0.0	6.5	7606*	7511*	6557*	--
TERRA HT-126DR	7-31	51	0.1	3.0	0.0	0.0	--	7551	7787*	--	--
PAYMASTER DR1125	8-1	51	0.6	2.6	0.0	0.0	--	7556*	7560*	--	--
O'S GOLD GS712	8-2	53	0.0	2.3	0.0	0.0	21.0	7540	7905*	6138	--
NC+ 178	8-3	53	0.0	2.3	0.0	0.0	--	7533	8007*	--	--
ASGRGW MUSTANG	7-30	50	0.3	3.3	0.0	0.0	11.5	7529	7299*	6463*	--
DEKALB DK-64	7-30	55	0.1	3.0	0.0	0.0	--	7514	7589*	--	--
PAG 6658	7-31	53	0.0	3.3	0.0	0.0	--	7510	--	--	--
WARNER W-866DR	8-2	54	0.1	3.6	0.0	0.0	--	7510	--	--	--
STAUFFER SEEDS S9750	8-2	55	0.1	2.3	0.0	0.0	--	7510	--	--	--
GOLD TAG 565	7-31	43	0.1	2.6	0.0	0.0	6.7	7495*	7509*	6446*	6143
PAG 5516	7-31	50	0.3	3.0	0.0	0.0	3.4	7485	7669*	7203*	--
TAYLOR-EVANS T-E Y-101-G##	7-30	47	0.1	3.3	0.0	0.0	0.7	7468	7344*	7280*	--
RING AROUND RA 787	7-31	52	0.2	2.6	0.0	0.0	--	7445	7233	--	--
GROWERS GSC 1299	8-2	53	0.1	2.0	0.0	0.0	--	7423	--	--	--
MCCURDY M57Y#	8-2	51	0.1	2.0	0.0	0.0	--	7405	7248*	--	--
DEKALB DK-57##	7-31	53	0.1	3.0	0.0	0.0	0.7	7403	6446	6778*	--
COHLEE TOP HAND II	8-1	52	0.0	3.3	0.0	0.0	--	7400	7097	--	--
GOLD TAG 555	8-1	46	0.3	2.6	0.0	0.0	17.0	7379	6754	5434	--
TRIUMPH TWO 80-D	8-2	52	0.1	2.3	0.0	0.0	--	7366	7676*	--	--
JACQUES 604	8-3	50	0.1	2.0	0.0	0.0	--	7333	7403*	--	--
FONTANELLE 5583	7-31	52	0.2	2.3	0.0	0.0	--	7305	8080*	--	--
PIONEER 8222	8-2	47	0.4	3.3	0.0	0.0	--	7296	7322*	--	--
FONTANELLE 6651	8-2	52	0.2	1.6	0.0	0.0	--	7274	7097	--	--
NORTHROP KING X8139	8-1	50	0.2	2.3	0.0	0.0	--	7267	--	--	--
FUNK HW 5247	8-1	60	2.1	2.3	0.0	0.0	--	7262	--	--	--
STAUFFER SEEDS 677GR	7-29	52	0.0	3.0	0.0	0.0	20.8	7253	--	6179	--
NORTHROP KING 2778##	7-31	54	0.0	3.0	0.0	0.0	38.6	7253	7460*	5105	--
CONLEE WRANGLER	7-31	52	0.4	3.0	0.0	0.0	--	7229	--	--	--
PIONEER 8515	7-28	54	0.0	3.0	1.8	0.0	43.0	7223	7132*	5234	--
PAYMASTER DG1195	8-2	51	0.0	3.0	0.0	0.0	--	7198	7155*	--	--
MFA GS-301A##	7-31	47	0.1	3.0	0.0	0.0	1.9	7162	7671*	6250	--
DEKALB DK-53##	8-4	49	0.5	3.3	0.0	0.0	2.8	7047	6305	6655*	--
CARGILL 55	7-31	48	0.1	3.3	0.0	0.0	--	7044	--	--	--
WARNER W-851DR	7-31	50	0.0	2.3	0.0	0.0	20.9	7035	7624*	5768	--
ASGROW CORRAL	7-28	50	0.1	3.0	0.0	0.0	73.4	7034	6650	4424	--
GROWERS GSC 1295	8-1	49	0.0	2.6	0.0	0.0	--	7034	--	--	--
PAYMASTER 1099	7-31	48	0.0	3.0	0.0	0.0	--	6937	6878	--	--
AGRATECH GK-712G	7-31	45	0.0	3.3	0.0	0.0	--	6922	--	--	--
FUNK G-550	7-29	51	0.0	2.3	0.1	0.0	20.4	6874	7769*	5465	--
TAYLOR-EVANS T-E Y-101-R##	8-1	47	0.0	3.0	0.0	0.0	0.5	6869	7002	6331*	--
CARGILL 40	7-28	49	0.2	3.0	0.0	0.0	--	6857	--	--	--
TAYLOR-EVANS T-E Y77	8-1	53	0.6	2.3	0.0	0.0	0.0	6805	6532	--	--
DEKALB DK-61	8-2	52	0.6	2.3	0.0	0.0	0.0	6707	7090	5877	--
ORO G XTRA	8-2	52	0.0	2.0	0.0	0.0	2.6	6677	6467	5709	--
STAUFFER SEEDS S9533	7-28	56	0.5	2.3	0.6	0.0	--	6643	--	--	--
NORTHROP KING 2244##	7-30	44	1.6	4.6	0.0	0.0	--	6626	6837	--	--
STAUFFER SEEDS 530GR	7-28	53	0.1	3.0	0.0	0.0	7.4	39.2	6553	7020	4349
WARNER W-685DR	7-29	54	0.3	2.3	0.0	0.0	--	6572	--	--	--
MARTIN	7-31	39	0.0	5.0	0.0	0.0	1.3	2.2	5035	4361	4214

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

WIDELY-GROWN HYBRID.

BIRD RESISTANT.

TABLE 8. PERFORMANCE OF GRAIN SORGHUM HYBRIDS EVALUATED NEAR PARMA ON THE CARL KEASLER FARM IN 1981-83.
PLANTED: 27 MAY 1983. HARVESTED: 13,15 SEPTEMBER 1983. PLANTED RATE 6 SEEDS/FT.

BRAND-HYBRID	1983									
	50% BLOOM DATE	PLANT HEIGHT (IN)	TYPE (%)	CHPT-HEADS		NESS	LODGING (%)		YIELD (LB/ACRE)	
				OFF-	SCORE		1983	1982	1983	1982
TAYLOR-EVANS T-E Y77	7-27	56	0.0	1.3	0.0	0.0	--	9414**	6803	--
HELENA 1225 DR	7-26	55	0.0	2.3	0.0	0.0	--	9139*	7059	--
CORLEE TOP HAND II	7-25	53	0.0	1.6	2.1	--	--	8552*	--	--
CORLEE L'RANGER	7-26	55	0.0	2.3	4.0	--	--	8439*	--	--
SEEDTEC WAC 715DR	7-27	61	0.0	1.6	0.8	0.0	--	8245*	8045*	--
CRO G XTRA	7-27	57	0.0	1.3	0.0	0.1	0.0	7921*	7604*	7805*
TAYLOR-EVANS T-E DINERO	7-25	52	0.2	2.6	5.5	0.0	0.0	7657*	7917*	7728*
GROWERS GSC 1299	7-26	55	0.0	1.0	4.2	--	--	7813*	--	--
PAYMASTER R1020#*	7-25	53	0.1	4.6	2.4	--	--	7818*	--	--
STAUFFER SEEDS S9533	7-23	60	0.1	2.0	0.0	--	--	7676*	--	--
FUNK G-1711	7-25	53	0.0	1.3	1.8	--	--	7654*	--	--
FUNK HU 5247	7-27	61	2.0	2.0	0.0	--	--	7475*	--	--
NORTHROP KING 2778#*	7-25	50	0.1	2.3	10.1	0.0	0.8	7449*	6580	7682*
FUNK G-522A#*	7-25	49	0.0	4.3	1.9	0.0	0.0	7383*	7170	8638*
FUNK G-522DR#	7-25	52	0.0	2.6	14.8	0.0	0.0	7313*	7336*	8043*
STAUFFER SEEDS 530GR	7-24	53	0.0	2.0	2.8	0.0	0.0	7242*	6755	8751*
WARNER W-639DR	7-25	53	0.0	3.0	3.0	0.0	0.0	7115	7490*	6785
STAUFFER SEEDS S9750	7-27	56	0.0	1.0	2.6	--	--	7021	--	--
TRIUMPH TWO 70-D	7-25	54	0.0	2.3	8.6	0.0	--	7039	6922	--
PIONEER 8222	7-25	52	0.5	3.5	1.3	0.0	--	7027	7277	--
CARGILL 55	7-25	51	0.0	5.0	20.1	--	--	7024	--	--
NCT 174	7-26	53	0.0	1.0	3.4	0.1	0.1	7008	8239*	8212*
ASGROW MUSTANG	7-25	47	0.0	5.0	1.5	0.0	0.0	6920	6769	6690
PAYMASTER DR1125	7-25	54	0.0	2.6	13.3	0.0	--	6859	7131	--
GOLDEN HARVEST H-505BW	7-26	54	0.5	3.0	15.3	0.0	--	6904	--	--
DEKALB DK-64	7-26	56	0.0	2.0	14.9	0.0	--	6905	7431*	--
PIONEER 8390	7-25	56	0.1	2.5	5.2	0.0	--	6822	7216	--
MFA GS-10#*	7-25	47	0.0	4.0	6.2	0.0	1.8	6513	6638	7277
DEKALB DK-61	7-23	54	5.2	1.3	2.1	0.0	0.1	6784	7050	8045*
GOLD TAG 565	7-24	50	0.0	2.6	0.6	0.0	0.0	6745	6527	7830*
STAUFFER SEEDS 677GR	7-26	53	0.0	1.3	8.5	--	0.0	6737	--	8105*
RING AROUND RA 787	7-26	55	0.0	2.3	19.7	0.0	--	6708	7603*	--
FONTANELLE 6651	7-27	53	0.0	2.0	7.4	0.0	--	6708	6633	--
FUNK G-550	7-25	54	0.1	1.0	2.3	0.0	0.0	6563	6012	8030*
WARNER W-744DR#	7-26	58	0.0	4.3	1.7	0.0	0.0	6662	7226*	6937
GROWERS SG 40A	7-25	50	0.0	1.6	1.7	--	--	6613	--	--
DEKALB DK-57#*	7-25	54	0.5	4.0	6.9	0.0	0.0	6608	6332	7688*
GOLDEN HARVEST H-510B	7-25	53	0.0	2.0	5.8	0.0	--	6553	6537	--
FONTANELLE 5533	7-25	54	0.0	2.5	7.5	0.0	--	6500	7089	--
NCT 271	7-27	57	0.8	3.0	8.4	0.0	0.0	6491	7054	8579*
MFA GS-5-501A#*	7-25	49	0.0	2.0	7.3	0.0	0.0	6488	7522*	7678*
PAG 5665	7-25	47	0.1	3.6	15.0	--	--	6476	--	--
WARNER W-685DR	7-23	55	0.0	2.3	8.9	--	--	6473	--	--
MCCURDY M737	7-25	46	0.0	2.0	9.9	0.0	--	6468	6227	--
WARNER W-551DR	7-23	43	0.0	2.6	3.4	0.0	0.0	6345	6011*	8615*
SEEDTEC WAC D701G	7-26	55	0.0	1.6	6.0	0.0	--	6316	7163	--
PAG 662	7-27	51	0.0	4.6	2.6	0.0	--	6271	7609*	--
TRIUMPH TWO 80-D	7-27	54	0.0	2.3	5.0	0.0	--	6239	7566*	--
FUNK G-623	7-25	49	0.0	2.3	0.3	0.0	0.0	6149	6008	6879
GOLD TAG 585	7-26	49	0.0	2.3	0.0	0.0	0.0	6145	6551	7069
TERRA HT-126DR	7-26	50	0.0	2.6	9.8	0.0	--	6077	7355*	--
PAG 6655	7-25	53	0.1	2.6	2.5	--	--	6014	--	--
SEEDTEC WAC 710DR	7-23	55	0.0	1.6	30.0	0.0	--	6000	7071	--
TAYLOR-EVANS T-E Y-101-G#*	7-26	46	0.6	2.3	0.7	0.0	0.0	5954	5993	7248
DEKALB DK-59#*	7-27	54	0.0	5.3	14.2	0.0	0.0	5949	7064	7174
PAYMASTER 1099	7-25	43	0.5	3.0	5.6	0.0	--	5941	5593	--
WARNER W-566DR	7-25	53	0.0	2.3	18.1	--	--	5892	--	--
PAYMASTER R109-A#*	7-25	48	0.1	4.0	5.6	--	--	5861	--	--
GROWERS GSC 1295	7-25	49	0.0	2.6	7.5	--	--	5856	--	--
DEKALB DK-61	7-29	58	0.0	1.6	7.2	--	--	5537	--	--
COKE 7675	7-27	51	0.0	2.0	15.2	0.0	0.0	5796	7268	8766**
NORTHROP KING 2244#	7-24	47	0.2	3.0	15.2	0.0	--	5779	6311	--
TRIUMPH TWO 64YG	7-25	44	0.0	2.0	6.9	0.0	0.0	5766	6732	7613*
GOLDEN HARVEST H-545B	7-25	54	0.0	2.0	13.6	0.0	--	5765	7042*	--
ASGROW CURRAN	7-22	53	0.0	4.6	21.5	0.0	0.0	5670	6757	8342*
O'S GOLD GS5100	7-26	43	0.1	2.3	10.7	0.1	0.0	5544	8320*	6095
CARROLL 40	7-24	50	0.2	3.3	5.6	--	--	5610	--	--
DEKALB DK-42Y#*	7-25	54	0.1	2.3	12.2	0.0	0.0	5530	6057	8015*
TAYLOR-EVANS T-E Y-101-R#*	7-25	50	0.0	3.3	2.5	0.0	0.0	5534	5729	7848*
CARGILL 70	7-26	45	0.0	3.3	4.9	0.0	0.0	5509	6539	7915*
PAYMASTER DG1195	7-26	54	0.0	2.3	12.0	0.0	--	5452	6760	--
NORTHROP KING X8139	7-25	48	0.0	2.3	18.6	--	--	5450	--	--
ASGROW TOPAZ#	7-26	49	0.0	3.3	7.7	0.0	0.0	5251	7474*	8765*
GROWERS SG 40GBR#	7-25	46	0.0	4.0	4.3	0.0	0.0	5135	6073	6591
PAG 5514	7-26	49	0.0	3.5	11.0	0.0	0.0	4948	5634	7170
AGRAFETECH GK-712G	7-25	44	0.0	2.6	0.7	--	--	4945	--	--
AGRAFETECH GK-802G	7-23	49	0.5	3.0	3.8	--	--	4887	--	--
PIONEER 8515	7-23	52	0.0	5.3	11.9	0.0	0.0	4775	7601*	8662*
STAUFFER SEEDS 734GR	7-25	45	0.0	3.3	12.5	0.0	0.0	4674	5381	7470
NCT 178	7-26	54	0.0	1.6	19.1	0.0	--	4493	7417*	--
PAG 4462	7-25	52	0.0	2.3	19.2	--	--	4023	--	--
MCCURDY M57YG	7-27	55	0.0	1.6	30.2	0.0	--	3968	7265	--
HELENA 1330 DR	7-26	57	0.0	2.0	0.9	0.0	--	3705	7330*	--
MARTIN	7-26	42	0.2	5.0	3.0	0.0	0.6	3256	5040	5966

TRIAL AVERAGE
L.S.D. AT .05

-- DATA NOT AVAILABLE.
** HIGHEST YIELDING HYBRID IN THE TEST.
* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.
WIDELY-GROWN HYBRID.
BIRD RESISTANT.

TABLE 9. PERFORMANCE RECORD OF GRAIN SORGHUM HYBRIDS EVALUATED AT FIVE MISSOURI LOCATIONS (NOVELTY, COLUMBIA, MONTROSE, MT. VERNON, AND PARMA) IN 1983.

BRAND-HYBRID	YIELD (LB/ACRE)					MEAN
	NOVELTY	COLUMBIA	MONTROS	MT. VERN	PARMA	
HELENA 1225 DR	3098	5676*	2714	8268*	9189*	--
SEEDTEC WAC 715DR	3769*	5593*	3135*	8161*	8265*	--
PAYMASTER R109-A##	3853*	5091	3723**	8178*	7818*	--
FUNK G-1711	3522*	5567*	3399*	8006*	7654*	--
NC+ 174	4123**	5830*	3028*	7882*	7008	--
GOLDEN HARVEST H-505BW	4037*	5973*	2669	8007*	6904	--
FUNK G-522DR##	3890*	5427*	2559	8389**	7313*	--
WARNER W-744DR#	3667*	5833*	2991	8121*	6662	--
CONLEE TOP HAND II	3380*	5161	2659	7400	8662*	--
ASGROW MUSTANG	3689*	5830*	2999	7529	6990	--
PAYMASTER DR1125	3789*	5847*	2699	7565	6959	--
FUNK G-522A##	3272	5619*	2726	7801*	7383*	--
TAYLOR-EVANS T-E DINERO	2876	5186	2810	8049*	7567*	--
GROWERS GSC 1299	3578*	5473*	2490	7423	7818*	--
PAG 5665	3595*	5869*	2952	7836*	6676	--
TAYLOR-EVANS T-E Y77	3357*	4626	2365	6805	9614**	--
WARNER W-335DR	2788	5556*	2725	8254*	7115	--
SEEDTEC WAC D701G	3603*	5545*	3344*	7709*	6316	--
FUNK HW 5247	3560*	4981	2868	7262	7475*	--
CONLEE WRANGLER	3590*	5309	1969	7229	8439*	--
DEKALB DK-64	3331*	5430*	3240*	7514	6903	--
PIONEER 8300	3499*	5302	2784	7983*	6822	--
GOLD TAG 565	3511*	5742*	2755	7495	6745	--
STAUFFER SEEDS S9750	3831*	4755	3012*	7510	7091	--
NC+ 271	3491*	4645	3249*	8254*	6491	--
ORO G XTRA	3446*	5144	2917	6677	7921*	--
FUNK G-550	4089*	5221	3229*	6874	6668	--
WARNER W-866DR	4114*	5770*	2795	7510	5392	--
SEEDTEC WAC 710DR	3584*	5456*	2886	8090*	6000	--
MCCURDY M37	3255	5570*	2825	7883*	6468	--
GOLDEN HARVEST H-545B	3550*	5154	2935	8349*	5706	--
MFA GS-10##	3497*	5339*	2373	7895*	6813	--
NORTHRUP KING 2778##	3573*	4853	2793	7255	7419*	--
FONTANELLE 6651	3695*	5442*	2702	7274	6708	--
ASGROW TOPAZ2##	3395*	6294**	2730	8193*	5251	--
FUNK G-623	3759*	5532*	2729	7846*	6169	--
CARGILL 55	3628*	5103	3007	7074	7024	--
GOLDEN HARVEST H-510B	3310	5768*	2445	7747*	6553	--
PIONEER 8222	3808*	4929	2738	7296	7027	--
TRIUIPH TWO 70-D	3416*	5429*	2197	7701*	7039	--
GROWERS SG 40A	3763*	4765	2723	7826*	6613	--
DEKALB DK-57##	3499*	5551*	2330	7403	6608	--
PAG 662	3302	5710*	2533	7738*	6271	--
RING AROUND RA 787	3038	5519*	2855	7445	6708	--
TERRA HT-126DR	3577*	5480*	2961	7581	6077	--
COKER 7675	3535*	5606*	2701	7795*	5796	--
TRIUIPH TWO 80-D	3567*	5548*	2692	7366	6239	--
FONTANELLE 5583	3380*	5255	2972	7305	6500	--
PAG 6656	3771*	5428*	2517	7510	6014	--
STAUFFER SEEDS 677GR	3351*	4765	3011*	7253	6737	--
DEKALB DK-69	3915*	5783*	1669	7873*	5857	--
PAYMASTER 1099	3176	6060*	2863	6997	5941	--
JACQUES 606	4008*	5754*	2776	7333	--	4967
STAUFFER SEEDS S9533	2534	4926	2918	6643	7676*	4959
STAUFFER SEEDS 734GR	3752*	5766*	2794	7799*	4674	4956
DEKALB DK-61	3671*	5036	2780	6707	6784	4955
STAUFFER SEEDS 530GR	3204	4857	2815	5853	7242*	4942
DEKALB DK-59##	3704*	5144	2800	7047	5949	4928
O'S GOLD GS5100	3301	5111	2782	7741*	5644	4915
NORTHRUP KING X8139	3460*	5833*	2548	7267	5450	4913
PAYMASTER R109-A##	3545*	5044	2452	7677*	5861	4911
DEKALB DK-42Y##	3566*	4846	2891	7620*	5580	4900
HELENA 1330 DR	3596*	6053*	2819	7901*	3705	4892
TAYLOR-EVANS T-E Y-101-R##	3184	5557*	3110*	6869	5554	4892
ASGROW COLT	3573*	5950*	2180	7797*	--	4882
TRIUIPH TWO 64YG	3120	4995	2819	7693*	5766	4878
MFA GS-301A##	3333*	5137	2200	7142	6458	4870
CARGILL 70	3324	4863	3052*	7606*	5509	4870
WARNER W-851DR	3553*	5272	2134	7035	6345	4864
GOLD TAG 535	3271	4663	2841	7379	6145	4859
GROWERS SG 40GBR##	3787*	4952	2568	7827*	5155	4849
ASGROW CORRAL	2693	6154*	2667	7034	5670	4843
GROWERS GSC 1295	3266	5957*	2470	7034	5856	4834
PAYMASTER DG1195	3351*	5115	2991	7158	5452	4813
PIONEER 8515	3098	5846*	3036*	7223	4775	4795
AGRATECH GK-802G	3063	5299	2839	7881*	4887	4793
O'S GOLD GS712	3894*	5165	2516	7540	--	4778
TAYLOR-EVANS T-E Y-101-G##	3332*	4397	2682	7468	5954	4766
PAG 4462	3628*	5769*	2384	7900*	4083	4764
CARGILL 40	3442*	5000	2625	6857	5610	4706
NC+ 178	3667*	5603*	2120	7553	4493	4680
MCCURDY M57YG	3918*	5496*	2546	7405	3948	4662
WARNER W-685DR	2986	4660	2568	6572	6473	4647
NORTHRUP KING 2244##	3459*	4698	2429	6626	5779	4598
PAG 5514	3404*	4836	2207	7485	4948	4575
AGRATECH GK-712G	3462*	4853	2352	6922	4943	4508
MARTIN	2009	4021	1834	5035	3256	3230

** HIGHEST YIELDING HYBRID IN THE TEST.
* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

WIDELY-GROWN HYBRID.

BIRD RESISTANT.

TABLE 10. PERFORMANCE OF GRAIN SORGHUM DOUBLE CROP HYBRIDS EVALUATED NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER IN 1982-83.
PLANTED: 8 JULY 1983. HARVESTED: 14 NOVEMBER 1983. PLANTED RATE 6 SEEDS/FT.

BRAND-HYBRID	1983										YIELD (LB/ACRE)
	DATE	OFF- BLOOM HEIGHT (IN)	PLANT TYPE (%)	CMPT- HEADS (%)	TEST WT. (LB)	TEST +		LODGING (%)			
						1983	1982	1983	1982	1983	1982
SEEDTEC WAC 651DR	8-26	32	0.7	1.3	51	0.0	0.0	--	--	3762**	2103
WARNER W-655T	8-26	33	0.0	3.0	53	0.0	0.0	--	--	3637*	3188*
FUNK G-522DR##	9-01	32	0.0	2.0	50	0.0	--	--	--	3480*	--
WARNER W-744DR#	9-04	39	0.2	3.0	47	0.0	0.0	--	--	3461*	470
GROWERS SG 40G3R##	8-29	33	0.0	3.3	50	0.0	--	--	--	3320*	--
TAYLOR-EVANS T-E Y-101-R##	9-01	31	0.0	2.6	49	0.0	--	--	--	3173*	--
PAYMASTER R1090##	8-26	35	0.0	4.0	51	0.0	--	--	--	3138*	--
PAYMASTER R109-A##	8-29	35	0.0	4.0	52	0.0	--	--	--	3119*	--
FUNK G-1560	8-31	31	0.0	1.6	51	7.3	--	--	--	3102*	--
NORTHRUP KING 2778##	9-01	35	0.0	2.3	50	14.0	--	--	--	3076*	--
WARNER W-832	9-03	36	0.0	1.0	51	0.0	--	--	--	3037*	--
ASGROW TOPAZ##	9-04	34	0.0	2.6	43	0.0	--	--	--	3003*	--
FUNK G-1350	8-24	31	0.0	4.6	51	0.0	0.0	--	--	2948*	2832
TAYLOR-EVANS T-E Y-45-G	8-27	37	0.0	3.0	53	0.0	--	--	--	2866*	2750
FONTANELLE 5547	8-30	32	0.0	2.3	50	0.0	0.0	--	--	2861*	2818
WARNER W-839DR	8-27	33	0.0	1.3	49	0.0	0.0	--	--	2849*	1115
DEKALB DK-57##	9-01	31	0.6	2.3	48	0.0	--	--	--	2819*	--
WARNER W-685DR	8-27	34	0.0	2.3	53	0.0	--	--	--	2768*	--
DEKALB DK-38	8-25	36	0.0	2.1	52	0.0	0.0	--	--	2755*	2753
GOLD TAG 475	8-30	33	0.0	1.6	48	0.0	0.0	--	--	2724*	2635
FUNK HW 5883	8-28	30	0.0	3.6	52	0.0	--	--	--	2705*	--
JACQUES 308	8-28	33	0.0	3.6	51	0.0	--	--	--	2672*	--
FUNK G-1400	8-28	36	0.0	3.0	49	0.3	--	--	--	2643*	--
FONTANELLE 3345	8-25	32	0.0	2.3	52	0.0	--	--	--	2578*	--
PIONEER 8680	8-30	32	0.0	2.0	50	0.0	0.0	--	--	2561*	2495
STAUFFER SEEDS S9533	8-27	33	0.0	2.6	53	0.0	--	--	--	2500*	--
STAUFFER SEEDS 535GR	8-28	32	0.0	2.3	49	0.0	--	--	--	2470*	--
JACQUES 208	8-26	35	0.0	3.0	51	0.0	--	--	--	2369*	--
FUNK HW 5905	8-23	28	0.0	5.0	50	0.0	--	--	--	2359*	--
DEKALB DK-42	8-26	30	0.0	3.6	51	0.0	0.0	--	--	2336*	1945
FUNK G-1460	8-27	32	0.0	2.0	51	0.0	--	--	--	2320*	--
DEKALB DK-42Y##	9-06	38	0.0	2.0	45	0.0	--	--	--	2317*	--
TRIUMPH TWO 54YG	9-01	35	0.0	2.3	45	0.0	0.0	--	--	2301*	3333*
PAYMASTER 1022	8-28	31	0.0	2.6	51	0.0	--	--	--	2273*	--
FUNK G-522A##	9-03	34	0.0	3.0	44	0.0	--	--	--	2266*	--
NORTHRUP KING 2244##	8-27	32	0.0	3.3	53	0.0	--	--	--	2241*	--
O'S GOLD GS5100	9-03	28	0.9	2.0	45	0.0	--	--	--	2229*	--
O'S GOLD GS709	8-31	32	0.0	1.6	49	0.0	--	--	--	2213*	--
TRIUMPH TWO 50YG	9-05	27	0.0	1.6	48	0.0	--	--	--	2171	--
MFA GS-301A##	8-29	33	0.0	2.3	51	0.0	--	--	--	2168	--
TAYLOR-EVANS T-E 8163	8-26	33	0.0	2.3	49	0.0	--	--	--	2102	--
MFA GS-10##	8-30	32	0.0	4.3	50	0.0	--	--	--	2025	--
CARGILL 40	9-02	30	0.0	2.6	49	0.0	--	--	--	2021	--
DEKALB DK-59##	9-08	36	0.0	2.6	43	0.0	--	--	--	1952	--
TAYLOR-EVANS T-E Y-44-R	8-27	27	0.0	3.0	50	0.0	0.0	--	--	1930	3398*
TAYLOR-EVANS T-E Y-101-G##	9-03	31	0.0	2.6	47	0.0	--	--	--	1742	--
NORTHRUP KING 1210	8-21	29	0.0	5.0	51	0.0	0.0	--	--	1728	3040*
MARTIN	8-30	32	0.0	2.0	49	4.0	0.0	--	--	1706	1604
PAYMASTER 930	8-28	30	0.0	2.3	47	0.0	--	--	--	1607	--
O'S GOLD GS58211	8-29	32	0.0	2.6	48	0.0	--	--	--	1468	--
NORTHRUP KING 2030	9-01	28	0.0	2.6	49	0.0	0.0	--	--	1202	2767
TRIAL AVERAGE		32	0.0	2.6	50	0.4	0.0			2530	2459
L.S.D. AT .05										1573	656

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

WIDELY-GROWN HYBRID.

BIRD RESISTANT.

+ TEST WEIGHT WAS DETERMINED ON OVEN DRY GRAIN.

TABLE 11. PERFORMANCE OF GRAIN SORGHUM DOUBLE CROP HYBRIDS EVALUATED NEAR MONTORSE ON THE DON CULVER FARM IN 1983 AND THE SOUTHWEST CENTER IN 1982.
PLANTED: 29 JUNE 1983. HARVESTED: 1 NOVEMBER 1983. PLANTED RATE 6 SEEDS/FT.

BRAND-HYBRID	1983							YIELD (LB/ACRE)	
	DATE	50% BLOOM DATE	PLANT HEIGHT (IN)	TYPE HEADS (%)	CHPT- NESS	TEST WT. SCORE (LB)	LODGING (%)	1983	1982
GOLD TAG 475	8-24	29	0.0	3.0	--	0.5	43.7	--	1465**
MFA GS-301A##	8-24	30	0.0	1.6	--	11.1	--	--	1463*
MARTIN	8-30	29	0.0	2.3	--	3.2	47.5	--	1415*
TAYLOR-EVANS T-E Y-44-R	9-02	28	0.0	1.6	--	7.4	39.3	--	1285*
GROWERS SG 40GBR##	8-22	29	0.3	3.0	--	7.9	--	--	1270*
TAYLOR-EVANS T-E Y-101-R##	8-31	29	0.0	3.0	--	8.9	--	--	1266*
TAYLOR-EVANS T-E Y-45-G	9-05	30	0.0	1.0	--	8.2	34.1	--	1208*
MFA GS-10##	8-22	31	0.0	4.0	--	15.5	--	--	1145*
PAYMASTER R1090##	8-25	30	1.3	3.3	--	12.7	--	--	1130*
STAUFFER SEEDS 535GR	8-24	31	0.0	3.0	--	3.9	--	--	1114*
CARGILL 40	9-04	29	0.0	2.0	--	17.6	--	--	1108*
DEKALB DK-59##	8-24	30	0.0	2.3	--	10.7	--	--	1095*
DEKALB DK-38	8-27	29	0.0	2.0	--	22.2	52.3	--	1064*
TAYLOR-EVANS T-E 8163	8-31	29	0.0	2.3	--	6.3	--	--	1059*
WARNER W-832	8-31	28	0.0	2.3	--	14.9	--	--	1052*
O'S GOLD G5709	8-24	32	0.0	3.0	--	23.6	--	--	1050*
NORTHRUP KING 1210	8-28	32	0.0	1.6	--	8.8	36.0	--	1041*
TRIUMPH TWO 50YG	8-28	31	0.0	2.6	--	13.7	--	--	1025*
ASGROW TOPAZ##	9-02	26	0.0	1.6	--	17.7	--	--	1024*
O'S GOLD G558211	8-27	29	0.0	3.0	--	7.5	--	--	1020*
NORTHRUP KING 2778##	8-29	32	0.0	2.3	--	12.0	--	--	1004*
FUNK G-522DR##	8-22	30	0.0	2.0	--	31.7	--	--	981*
FUNK G-1460	8-18	27	0.0	3.0	--	2.2	--	--	967*
DEKALB DK-42	8-31	30	0.0	2.3	--	19.1	16.2	--	966*
WARNER W-839DR	8-31	31	0.0	2.0	--	36.1	42.2	--	959*
FUNK HJ 5905	8-27	31	0.0	2.3	--	8.9	--	--	958*
DEKALB DK-57##	8-31	30	0.0	1.6	--	11.2	--	--	943*
NORTHRUP KING 2244##	8-22	31	0.0	3.3	--	22.5	--	--	913*
FONTANELLE 3345	8-28	29	0.0	2.0	--	13.0	--	--	911*
DEKALB DK-42Y##	8-28	30	0.0	2.3	--	12.6	--	--	909*
FUNK G-522A##	8-31	30	0.0	1.3	--	10.9	--	--	905*
FUNK G-1560	8-26	30	0.0	2.0	--	16.0	--	--	884*
PAYMASTER 1022	8-29	32	0.0	1.3	--	43.1	--	--	862*
WARNER W-744DR#	8-20	31	0.0	2.6	--	25.0	62.4	--	851*
JACQUES 308	8-31	31	0.0	3.6	--	7.4	--	--	829*
WARNER W-635DR	8-31	28	0.0	1.6	--	14.9	--	--	816*
PAYMASTER R109-A##	8-27	28	0.0	2.0	--	24.3	--	--	815*
PIONEER 8680	8-31	30	0.0	1.3	--	29.7	16.7	--	809*
STAUFFER SEEDS S9533	9-04	28	0.0	2.0	--	8.5	--	--	786*
FUNK HJ 5883	8-27	28	0.4	3.0	--	18.5	--	--	784*
O'S GOLD G55100	8-31	29	0.0	1.3	--	18.9	--	--	756
PAYMASTER 930	8-31	29	0.0	2.6	--	12.0	--	--	743
NORTHRUP KING 2030	8-23	30	0.3	1.3	--	18.0	27.5	--	717
SEEDTEC WAC 651DR	8-28	28	0.0	1.6	--	17.9	67.7	--	716
TRIUMPH TWO 54YG	8-29	28	0.0	2.0	--	18.2	21.3	--	711
FONTANELLE 5547	8-24	30	0.0	2.0	--	12.0	23.7	--	703
FUNK G-1400	8-23	28	1.5	1.6	--	19.8	--	--	660
JACQUES 208	8-30	31	0.6	2.3	--	20.6	--	--	651
FUNK G-1350	8-27	27	0.0	1.6	--	17.9	16.0	--	579
TAYLOR-EVANS T-E Y-101-G##	9-01	27	0.0	1.6	--	18.5	--	--	540
WARNER W-655T	9-04	28	0.0	1.6	--	8.1	58.0	--	527
TRIAL AVERAGE		29	0.0	2.1	15.1	38.4	950	4615	
L.S.D. AT .05							689	1022	

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

WIDELY-GROWN HYBRID.

BIRD RESISTANT.

+ TEST WEIGHT WAS DETERMINED ON OVEN DRY GRAIN.

TABLE 12. PERFORMANCE OF GRAIN SORGHUM DOUBLE CROP HYBRIDS EVALUATED NEAR PORTAGEVILLE
ON THE DELTA RESEARCH CENTER IN 1982-83.
PLANTED: 6 JULY 1983. HARVESTED: 27 OCTOBER 1983. PLANTED RATE 6 SEEDS/FT.

BRAND-HYBRID	1983										YIELD (LB/ACRE)	
	50% BLOOM DATE	PLANT HEIGHT (IN)	TYPE HEADS (%)	CMPT- NESS	TEST + WT. (LB)	LODGING (%)		1983		1982		
						1983	1982	1983	1982	1983	1982	
TRIUMPH TWO 54YG	8-27	47	0.0	2.0	--	1.1	0.0	--	--	6225**	1646	--
MFA GS-301A##	8-26	50	0.0	1.6	--	17.5	--	--	--	5863*	--	--
TRIUMPH TWO 50YG	8-27	52	0.1	1.3	--	2.0	--	--	--	5445*	--	--
NORTHRUP KING 2244##	8-26	53	0.0	2.0	--	7.4	--	--	--	5382*	--	--
FUNK HW 5905	8-27	49	0.5	1.0	--	3.3	--	--	--	5160*	--	--
O'S GOLD GS709	8-28	46	0.1	2.0	--	2.3	--	--	--	5093*	--	--
FUNK G-1400	8-28	44	0.0	2.3	--	0.3	--	--	--	5052*	--	--
TAYLOR-EVANS T-E Y-44-R	8-26	54	0.0	1.3	--	30.4	0.0	--	--	4969*	2140*	--
SEEDTEC WAC 651DR	8-28	46	0.0	1.3	--	7.3	1.0	--	--	4963*	2173*	--
DEKALB DK-59##	8-23	48	0.6	2.6	--	3.2	--	--	--	4762*	--	--
FUNK HW 5883	8-23	43	1.9	3.3	--	1.1	--	--	--	4554*	--	--
DEKALB DK-42Y##	8-22	48	0.1	2.6	--	25.9	--	--	--	4548*	--	--
TAYLOR-EVANS T-E 8163	8-26	48	0.0	2.3	--	7.1	--	--	--	4536*	--	--
PAYMASTER R109-A##	8-28	42	0.0	2.0	--	3.8	--	--	--	4532*	--	--
GROWERS SG 40GBR##	8-27	46	0.6	2.0	--	9.0	--	--	--	4441*	--	--
O'S GOLD GS58211	8-26	49	0.2	2.3	--	4.2	--	--	--	4416*	--	--
FONTANELLE 5547	8-23	51	0.9	1.3	--	1.8	0.9	--	--	4359*	2343*	--
MARTIN	8-25	49	0.0	2.3	--	15.8	3.7	--	--	4342*	760	--
MFA GS-10##	8-22	44	0.4	4.3	--	9.3	--	--	--	4317*	--	--
STAUFFER SEEDS 535GR	8-24	43	0.3	2.6	--	1.9	--	--	--	4259*	--	--
FUNK G-1460	8-22	47	0.1	2.0	--	3.8	--	--	--	4195*	--	--
WARNER W-685DR	8-25	48	0.0	2.0	--	21.0	--	--	--	4180*	--	--
NORTHRUP KING 1210	8-28	45	0.0	2.3	--	9.6	0.5	--	--	4031*	2074*	--
STAUFFER SEEDS S9533	8-25	50	0.0	2.0	--	16.8	--	--	--	4022*	--	--
DEKALB DK-38	8-27	47	0.0	1.6	--	32.8	0.5	--	--	4005*	2804**	--
DEKALB DK-42	8-26	51	0.0	1.0	--	15.9	0.6	--	--	3970*	1676	--
TAYLOR-EVANS T-E Y-101-R##	8-24	46	1.2	2.6	--	20.6	--	--	--	3954*	--	--
PAYMASTER R1090##	8-24	48	0.1	2.0	--	19.9	--	--	--	3862*	--	--
DEKALB DK-57##	8-21	43	0.0	3.3	--	27.8	--	--	--	3838*	--	--
TAYLOR-EVANS T-E Y-45-G	8-24	47	0.0	2.6	--	30.3	0.7	--	--	3832*	1653	--
FUNK G-1560	8-24	43	0.0	1.6	--	35.9	--	--	--	3783*	--	--
GOLD TAG 475	8-26	50	0.0	2.0	--	10.0	0.1	--	--	3768*	1676	--
WARNER W-832	8-23	50	0.2	2.3	--	2.8	--	--	--	3743*	--	--
O'S GOLD GS5100	8-25	40	0.1	2.6	--	4.8	--	--	--	3730*	--	--
FONTANELLE 3345	8-22	48	0.0	2.6	--	17.9	--	--	--	3671*	--	--
WARNER W-839DR	8-26	43	0.1	2.6	--	3.5	0.0	--	--	3567	2075*	--
ASGROW TOPAZ##	8-25	47	0.0	1.3	--	3.3	--	--	--	3558	--	--
FUNK G-522DR##	8-24	41	0.0	3.0	--	2.4	--	--	--	3537	--	--
TAYLOR-EVANS T-E Y-101-G##	8-25	44	0.0	2.3	--	21.9	--	--	--	3535	--	--
JACQUES 208	8-25	46	0.3	1.6	--	15.6	--	--	--	3490	--	--
FUNK G-522A##	8-25	49	0.0	3.0	--	47.7	--	--	--	3482	--	--
WARNER W-744DR#	8-24	43	0.2	2.6	--	0.7	0.0	--	--	3393	2601*	--
WARNER W-655T	8-26	45	0.0	1.3	--	8.5	0.0	--	--	3365	2083*	--
NORTHRUP KING 2030	8-21	42	0.0	3.0	--	15.3	0.1	--	--	3238	1799	--
PAYMASTER 1022	8-24	48	0.0	1.6	--	10.0	--	--	--	3281	--	--
CARGILL 40	8-26	46	0.0	2.0	--	7.0	--	--	--	3160	--	--
NORTHRUP KING 2778##	8-21	48	0.1	3.0	--	7.6	--	--	--	2796	--	--
PIONEER 8680	8-24	44	1.4	1.0	--	21.2	0.0	--	--	2790	2315*	--
JACQUES 308	8-22	47	0.1	3.6	--	9.7	--	--	--	2770	--	--
PAYMASTER 930	8-26	48	0.0	2.0	--	11.5	--	--	--	2557	--	--
FUNK G-1350	8-21	42	0.0	2.3	--	59.6	0.0	--	--	1159	2428*	--
TRIAL AVERAGE		46	0.1	2.1		13.1	0.4			4030	1921	
L.S.D. AT .05										2556	944	

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

WIDELY-GROWN HYBRID.

BIRD RESISTANT.

+ TEST WEIGHT WAS DETERMINED ON OVEN DRY GRAIN.

TABLE 13. PERFORMANCE RECORD OF GRAIN SORGHUM DOUBLE CROP HYBRIDS EVALUATED AT THREE MISSOURI LOCATIONS (COLUMBIA, MONTROSE, AND PARMA) IN 1983.

BRAND-HYBRID	COLUMBIA	MONTROS	Y I E L D (LB/ACRE)		MEAN
			FORTAGE		
MFA GS-301A##	2168	--	1463*	--	3164**
SEEDTEC WAC 651DR	3762**	--	716	--	3146*
TRIUMPH TWO 54YG	2301*	--	711	--	3070*
GROWERS SG 40GBR##	3320*	--	1270*	--	3010*
TRIUMPH TWO 50YG	2171	--	1025*	--	2880*
NORTHROP KING 2244##	2241*	--	913*	--	2845*
FUNK HW 5905	2359*	--	958*	--	2825*
PAYMASTER R1090-A##	3119*	--	815*	--	2821*
TAYLOR-EVANS T-E Y-101-R##	3173*	--	1266*	--	2797*
O'S GOLD GS709	2213*	--	1050*	--	2785*
FUNK G-1400	2643*	--	660	--	2784*
TAYLOR-EVANS T-E Y-44-R	1930	--	1285*	--	2727*
PAYMASTER R1090##	3133*	--	1130*	--	2709*
FUNK HW 5883	2705*	--	784*	--	2620*
FUNK G-522DR##	3480*	--	981*	--	2665*
GOLD TAG 475	2724*	--	1465**	--	2652*
FONTANELLE 5547	2861*	--	703	--	2640*
TAYLOR-EVANS T-E Y-45-G	2866*	--	1208*	--	2635*
STAUFFER SEEDS 535GR	2470*	--	1114*	--	2614*
WARNER W-832	3037*	--	1052*	--	2610*
DEKALB DK-38	2755*	--	1064*	--	2607*
DEKALB DK-59##	1952	--	1095*	--	2602*
DEKALB DK-42Y##	2317*	--	909*	--	2591*
FUNK G-1560	3102*	--	884*	--	2587*
WARNER W-685DR	2763*	--	816*	--	2587*
WARNER W-744DR#	3461*	--	351*	--	2583*
TAYLOR-EVANS T-E 8163	2102	--	1059*	--	2563*
DEKALB DK-57##	2819*	--	943*	--	2533*
ASGROW TOPAZ##	3005*	--	1024*	--	2520*
WARNER W-655T	3637*	--	527	--	2502*
MFA GS-10##	2025	--	1145*	--	2495*
FUNK G-1460	2320*	--	967*	--	2493*
MARTIN	1706	--	1415*	--	2487*
WARNER W-839DR	2849*	--	959*	--	2458*
STAUFFER SEEDS S9533	2580*	--	786*	--	2435*
DEKALB DK-42	2336*	--	966*	--	2423*
FONTANELLE 3345	2578*	--	911*	--	2386*
O'S GOLD GS58211	1468	--	1020*	--	2301*
NORTHROP KING 2778##	3076*	--	1004*	--	2291*
NORTHROP KING 1210	1728	--	1041*	--	2266*
O'S GOLD GS5100	2229*	--	756	--	2233*
FUNK G-522A##	2266*	--	905*	--	2217*
JACQUES 208	2369*	--	651	--	2169
PAYMASTER 1022	2273*	--	862*	--	2133
CARGILL 40	2021	--	1108*	--	2096
JACQUES 308	2672*	--	829*	--	2090
PIONEER 8680	2561*	--	809*	--	2053
TAYLOR-EVANS T-E Y-101-G##	1742	--	540	--	1930
NORTHROP KING 2030	1202	--	717	--	1735
PAYMASTER 930	1607	--	743	--	1635
FUNK G-1350	2948*	--	579	--	1561
 TRIAL AVERAGE		2530	950	4030	2502
L.S.D. AT .05		1573	689	2556	951

** HIGHEST YIELDING HYBRID IN THE TEST.

* HYBRID WHICH DID NOT YIELD SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING HYBRID IN THE TEST.

WIDELY-GROW HYBRID.

BIRD RESISTANT.

TABLE 14. NAMES OF GRAIN SORGHUM ENTRIES EVALUATED IN 1983 AND THEIR SEED SOURCES.

BRAND	HYBRID/VARIETY	SEED SOURCE
ASGROW	CORRAL, MUSTANG, COLT, TOPAZ	ASGROW SEED CO., 700 PORTAGE RD., KALAMAZOO, MI 49001
CARGILL	40, 55, 70	CARGILL, INC., P.O. BOX 467, MONTICELLO, IL 61856
COKER	7675	COKER'S PEDIGREED SEED CO., P.O. BOX 340, HARTSVILLE, SC 29550
CONLEE	WRANGLER, TOP HAND II	CONLEE SEED CO., P.O. BOX 7247, WACO, TX 76710
DEKALB	DK-59, DK-57, DK-61, DK-42, DK-42Y, DK-38, DK-64, DK-69	DEKALB-PFIZER GENETICS, RT. 2, LUBBOCK, TX 79415
FONTANELLE	6651, 5583, 3345, 5547	FONTANELLE HYBRIDS, RT. 1, NICKERSON, NE 68044
FUNK	G-522DR, G-522A, G-623, G-1350, HW5247, G-1460, HW5883, HW5905, G-1400, G-1560, G-1711, G-550	FUNK SEEDS INT., 719 26TH ST., LUBBOCK, TX 79404
GOLDEN HARVEST	H-510B, H-545B, H-505 BW	COLUMBIANA SEED CO., ELDRED, IL 62016
GOLD KIST	GK-802G, GK-712G	AGRATECH SEED, P.O. BOX 644, ASHBURN, GA 31714
GOLD TAG	565, 585, 475	FERRY-MORSE SEED COMPANY, P.O. BOX 677, SAN JOAQUIN, CA 93660
GROWERS	SG 40GBR, GSC 1295, GSC 1299, SG 40A	GROAGRI SEED CO., BOX 1656, 6201 S.E. LOOP 289, LUBBOCK, TX 79408
HELENA PREFERRED	1225DR, 1330DR	HELENA CHEMICAL CO., 5100 POPULAR AVE., SUITE 3200, MEMPHIS, TN 38137
JACQUES	308, 606, 208	JACQUES SEED CO., 720 ST. CROIX STREET, PRESCOTT, WI 54021
MCCURDY	M737, M57 YG	MCCURDY SEED CO., P.O. BOX 66, FREMONT, IA 52561
MFA	GS-10, GS-301A	RING AROUND, 12000 FORD RD., SUITE 300, DALLAS, TX 75234
NC+	271, 174, 178	NC+ HYBRIDS, 3820 N. 56TH ST., BOX 4408, LINCOLN, NE 68504
NORTHrup KING	2244, 2778, 1210, 2030, X8139	NORTHrup KING CO., 1452 29TH ST., SUITE 214, WEST DES MOINES, IA 50265
ORO	ORO G XTRA	R. C. YOUNG SEED & GRAIN CO., 624 27TH ST., LUBBOCK, TX 79404
O'S GOLD	GS 712, GS 5100, GS 709, GS 58211	O'S GOLD SEED CO., BOX 460, PARKERSBURG, IA 50665
PAG	4462, 5665, 5514, 6658, 662	PAG SEEDS, BOX 1207, FREMONT, NE 68025
PAYMASTER	1099, DR1125, DG1195, R1090, R109-A, 930, 1022	PAYMASTER SEEDS, TECH. SERVICES, P.O. BOX 307, BELMOND, IA 50421
PIONEER	8515, 8680, 8222, 8300	PIONEER HI-BRED INTL., INC., 1000 W. JEFFERSON ST., TIPTON, IN 46072
RA	787	RING AROUND, 12000 FORD RD., SUITE 300, DALLAS, TX 75234

TABLE 14. CONTINUED

BRAND	HYBRID/VARIETY	SEED SOURCE
STAUFFER SEEDS	734GR, 535GR, 530GR, 677GR, S9533, S9750	STAUFFER SEEDS, INC., 975 DURKIN DRIVE, SPRINGFIELD, IL 62704
T-E	Y-101-R, Y-101-G, DINERO, Y-77, Y-45-G, Y-44-R, 8163	TAYLOR-EVANS SEED CO., BOX 68, TULIA, TX 79088
TERRA	HT-126DR	TERRA SEED CO., BOX 10121, LUBBOCK, TX 79408
TRIUMPH	TWO 64YG, TWO 80-D, TWO 50YG, TWO 54YG, TWO 70-D	TRIUMPH SEED CO., INC., BOX 1050, RALLS, TX 79357
WAC	651DR, 710DR, D701G, 715DR	SEEDTEC INT., INC., BOX 2212, HEREFORD, TX 79045
WARNER	W-839DR, W-851DR, W-744DR, W-655T, W-866DR, W-685DR, W-832	GEORGE WARNER SEED CO., INC., BOX 1448, HEREFORD, TX 79045
MARTIN	UMC, FOUNDATION SEED, COLUMBIA, MO 65211	

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