

3-1973

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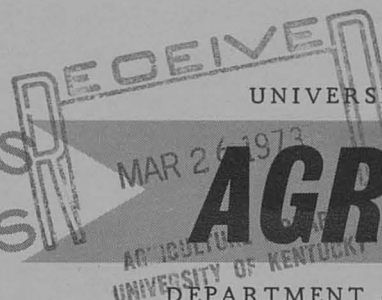
Herbek, James H. and Bitzer, Morris J., "Grain Sorghum Performance Tests-1972" (1973). *Agronomy Notes*. 163.

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AGRONOMY NOTES

AGRICULTURE
UNIVERSITY OF KENTUCKY

DEPARTMENT of AGRONOMY Lexington 40506

Vol. 6, No. 1

March 1973

GRAIN SORGHUM PERFORMANCE TESTS—1972

J. H. Herbek and M. J. Bitzer

Grain sorghum performance tests provide estimates of the relative performance of grain sorghum hybrids in Kentucky. These estimates, hopefully, will aid growers in their selection of a hybrid. The choice of the best grain sorghum hybrid for a given set of crop management conditions and environmental variables is an important step to profitable grain sorghum production. Hybrids should be selected that are well adapted to a given area and have records of high performance.

Grain sorghum performance tests were conducted at three locations in Kentucky in 1972. This report presents the yield and other agronomic data obtained at these locations.

Yield (Bu/Acre)¹

Hybrid	Carlisle Co.		Todd Co.		Lexington	Todd Co.
	1972	1971-72 ³	1972	1971-72 ³	1972	1972 ²
ACCO R-109	97.0	90.6	101.1	122.8	105.7	-----
ACCO R-920	-----	-----	-----	-----	70.1	59.4
ACCO R-1019	98.1	92.7	108.8	124.0	110.2	-----
ACCO R-1090	-----	-----	118.8	127.4	-----	-----
ACCO R-1093	93.7	90.0	-----	-----	101.5	-----
DeKalb A-25	-----	-----	96.3	-----	-----	55.4
DeKalb BR-64	73.8	72.4	120.7	125.5	121.7	-----
DeKalb C-42a	91.7	83.2	111.5	126.0	116.1	75.2
DeKalb C-42y	97.6	-----	104.7	-----	97.8	-----
Funks G-393	76.5	-----	-----	-----	-----	-----
Funks G-490	87.2	-----	-----	-----	-----	-----
Funks G-522	88.7	82.9	-----	-----	-----	-----
Funks G-766W	96.4	81.6	-----	-----	-----	-----
Funks BR-630	93.3	93.7	-----	-----	-----	-----
McNair 546 BR	-----	-----	105.6	114.6	98.3	69.1
McNair 654	87.1	91.6	118.8	131.1	114.4	-----
McNair 760	74.6	-----	-----	-----	109.3	-----
Northrup King MM 54BR	-----	-----	-----	-----	60.7	55.9
Northrup King NK 222G	94.1	84.4	102.7	114.1	-----	-----
Northrup King NK 233	-----	-----	92.7	110.6	109.9	57.8
Northrup King NK 280	87.8	85.0	97.4	112.0	122.1	-----
Northrup King Savanna 2	94.6	84.2	98.7	111.8	122.4	-----
Pioneer 828	99.3	-----	99.2	-----	125.4	56.0
Pioneer 846	86.8	79.0	-----	-----	-----	-----
Pioneer 8417	93.1	-----	115.3	-----	109.4	-----
Princeton PF 785	101.3	95.8	-----	-----	-----	-----
RS 610	90.2	80.2	96.4	114.1	106.4	-----
Taylor Evans TE 44C	-----	-----	70.5	-----	74.1	46.6
Taylor Evans TE 77A	-----	-----	97.4	-----	-----	-----
Taylor Evans TE Tell	-----	-----	104.0	-----	107.7	60.8
Taylor Evans TE Y-101	94.5	97.2	119.1	133.5	117.4	62.1
Taylor Evans Bird-A-Boo	86.1	-----	-----	-----	110.8	-----
Taylor Evans Exp. 7131	79.6	-----	-----	-----	109.7	-----

¹Yields are reported at 14.0 percent moisture.

²Planted no-till after wheat 6-27-72.

³Two-year yield averages (1971-72 data).

Grain Sorghum Hybrid Characteristics¹

Hybrid	Plant Height (inches)		Bird Resistance ²	Head Type ³	Relative Maturity ⁴
	Carlisle Co.	Todd Co.			
ACCO R-109	59	45	Sus.	S	ML
ACCO R-920	---	---	Res.	S-O	E
ACCO R-1019	59	47	Sus.	S	ME
ACCO R-1090	---	52	Sus.	S	ML
ACCO R-1093	64	---	Res.	O	ML
DeKalb A-25	---	43	Res.	O	E
DeKalb BR-64	68	58	Res.	S-O	ML
DeKalb C-42a	59	49	Sus.	S	ME
DeKalb C-42y	61	52	Sus.	S	M
Funks G-393	58	---	Sus.	S	E
Funks G-490	62	---	Sus.	S	ME
Funks G-522	59	---	Sus.	C-S	M
Funks G-766W	69	---	Sus.	C-S	L
Funks BR-630	57	---	Res.	O	ML
McNair 546 BR	---	48	Res.	O	M
McNair 654	69	52	Sus.	S	ML
McNair 760	61	---	Res.	C-S	ML
Northrup King MM 54BR	---	---	Res.	C-S	E
Northrup King NK 222G	60	47	Sus.	S	ML
Northrup King NK 233	---	50	Sus.	C-S	ME
Northrup King NK 280	60	51	Sus.	C-S	ML
Northrup King Savanna 2	64	51	Res.	S	ML
Pioneer 828	77	62	Sus.	C-S	L
Pioneer 846	61	---	Sus.	S	M
Pioneer 8417	63	50	Sus.	S-O	M
Princeton PF 785	59	---	Sus.	C-S	ML
RS 610	65	53	Sus.	C	ME
Taylor Evans TE 44C	---	48	Sus.	C-S	E
Taylor Evans TE 77A	---	52	Sus.	C-S	L
Taylor Evans TE Tell	---	47	Sus.	C	ML
Taylor Evans TE Y-101	56	46	Sus.	S	ML
Taylor Evans Bird-A-Boo	54	---	Res.	S-O	ML
Taylor Evans Exp. 7131	63	---	Sus.	S-O	M

¹1972 data only.

²Res.=Resistant and Sus.=Susceptible to bird damage.

³C=Compact, S=Semiopen, and O=Open.

⁴Based only on visual observations and moisture content at harvest; E=Early, M=Medium, and L=Late.

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