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Grain Sorghum Performance

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GRAIN SORGHUM PERFORMANCE

DEPARTMENT of AGRONOMY =

February 1969

Lexington 40506

C. R. Tutt and J. F. Shane

Twenty-five grain sorghum hybrids and one variety planted May 22 were evaluated at the Western Kentucky Substation at Princeton for yield, plant height, date headed, head type and moisture. They were also evaluated at Lexington for bird damage and at the Robinson Substation for MDM.

Hybrid Grain Sorghum Test (Grown at Princeton and Lexington, Ky.) 1968

Hybrid	Bu/Acre	Ht, In	Date Headed July	Head Type*	Percent Moist	Percent Bird Damage 10/4 10/22	
ACCO R-1023 ACCO R-1093 NK 280 NK Savanna Excel Bird-Go	$85.4 \\ 101.4 \\ 75.0 \\ 87.8 \\ 90.0$	53 53 55 51 61	22 23 26 21 27	0 0 C Sc 0	15.415.714.815.116.2	Tr 0 30 Tr 0	45 15 80 50 15
Excel 707A T-E Bird-A-Boo T-E Mucho Dekalb BR-64 Dekalb E-57	73.9 86.8 80.9 79.2 64.2	$57 \\ 45 \\ 50 \\ 64 \\ 56$	27 22 24 29 25	C 0 C Sc 0	$14.5 \\ 15.3 \\ 14.5 \\ 16.5 \\ 15.0$	60 Tr 5 5 10	80 60 80 90 90
Dekalb DD-50 US Seeds HG 500A US Seeds HG 600Y McNair 546 McNair 652	$ \begin{array}{r} 84.8 \\ 80.0 \\ 61.2 \\ 94.2 \\ 62.3 \\ \end{array} $	51 47 51 53 62	22 26 29 25 26	Sc C Sc 0 0	$14.2 \\ 14.1 \\ 15.1 \\ 15.8 \\ 14.8$	45 5 50 Tr 85	55 80 90 10 95
Martin AKS 614 AKS 653 AKS 663 RS 610	51.9 96.1 97.0 90.5 70.5	49 53 49 60 56	30 26 24 28 24	Sc 0 Sc 0 C	$14.8 \\ 15.5 \\ 14.5 \\ 16.3 \\ 14.9$	35 Tr 0 0 50	90 Tr 30 5 80
RS 622 RS 625 RS 626 RS 631 RS 633 RS 671	$\begin{array}{c} 60.0 \\ 79.7 \\ 83.4 \\ 82.0 \\ 83.5 \\ 60.6 \end{array}$	$48 \\ 46 \\ 51 \\ 57 \\ 52 \\ 54$	29 22 22 26 23 29	Sc Sc C Sc C Sc	$14.6 \\ 14.3 \\ 14.2 \\ 15.5 \\ 15.5 \\ 15.5 \\ 14.1$	$60 \\ 45 \\ 30 \\ 40 \\ 55 \\ 40$	$60 \\ 45 \\ 45 \\ 70 \\ 75 \\ 50$
LSD (.05)	15.5						

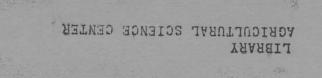
*C = compact, Sc = semi-compact, O = open

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MDM was not a serious problem in grain sorghum at the substation in 1968. Five percent of the plants of RS 622, AKS 663, and Savanna showed mosaic symptoms.

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Performance data on characteristics other than MDM are presented in the preceding table.



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