

2-1969

# Grain Sorghum Performance

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# AGRONOMY NOTES

DEPARTMENT of AGRONOMY Lexington 40506

Vol. 2, No. 4 February 1969

## GRAIN SORGHUM PERFORMANCE

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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 | Percent Bird Damage 10/22 |
|---|---|---|---|---|---|---|---|
| ACCO R-1023 | 85.4 | 53 | 22 | 0 | 15.4 | Tr | 45 |
| ACCO R-1093 | 101.4 | 53 | 23 | 0 | 15.7 | 0 | 15 |
| NK 280 | 75.0 | 55 | 26 | C | 14.8 | 30 | 80 |
| NK Savanna | 87.8 | 51 | 21 | Sc | 15.1 | Tr | 50 |
| Excel Bird-Go | 90.0 | 61 | 27 | 0 | 16.2 | 0 | 15 |
| Excel 707A | 73.9 | 57 | 27 | C | 14.5 | 60 | 80 |
| T-E Bird-A-Boo | 86.8 | 45 | 22 | 0 | 15.3 | Tr | 60 |
| T-E Mucho | 80.9 | 50 | 24 | C | 14.5 | 5 | 80 |
| Dekalb BR-64 | 79.2 | 64 | 29 | Sc | 16.5 | 5 | 90 |
| Dekalb E-57 | 64.2 | 56 | 25 | 0 | 15.0 | 10 | 90 |
| Dekalb DD-50 | 84.8 | 51 | 22 | Sc | 14.2 | 45 | 55 |
| US Seeds HG 500A | 80.0 | 47 | 26 | C | 14.1 | 5 | 80 |
| US Seeds HG 600Y | 61.2 | 51 | 29 | Sc | 15.1 | 50 | 90 |
| McNair 546 | 94.2 | 53 | 25 | 0 | 15.8 | Tr | 10 |
| McNair 652 | 62.3 | 62 | 26 | 0 | 14.8 | 85 | 95 |
| Martin | 51.9 | 49 | 30 | Sc | 14.8 | 35 | 90 |
| AKS 614 | 96.1 | 53 | 26 | 0 | 15.5 | Tr | Tr |
| AKS 653 | 97.0 | 49 | 24 | Sc | 14.5 | 0 | 30 |
| AKS 663 | 90.5 | 60 | 28 | 0 | 16.3 | 0 | 5 |
| RS 610 | 70.5 | 56 | 24 | C | 14.9 | 50 | 80 |
| RS 622 | 60.0 | 48 | 29 | Sc | 14.6 | 60 | 60 |
| RS 625 | 79.7 | 46 | 22 | Sc | 14.3 | 45 | 45 |
| RS 626 | 83.4 | 51 | 22 | C | 14.2 | 30 | 45 |
| RS 631 | 82.0 | 57 | 26 | Sc | 15.5 | 40 | 70 |
| RS 633 | 83.5 | 52 | 23 | C | 15.5 | 55 | 75 |
| RS 671 | 60.6 | 54 | 29 | Sc | 14.1 | 40 | 50 |
| LSD (.05) | 15.5 | | | | | | |

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

Agricultural and Home Economics Extension Service of the University of Kentucky, the United States Department of Agriculture cooperating. W. A. Seay, Director. Issued in furtherance of the Acts of May 8 and June 30, 1914.

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.

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