

University of Kentucky

UKnowledge

Agronomy Notes

Plant and Soil Sciences

9-1974

1974 Preliminary Report of Kentucky Small Grain Variety Trials at Bowling Green and Lexington

Charles Tutt
University of Kentucky

Morris J. Bitzer
University of Kentucky

Verne C. Finkner
University of Kentucky

Follow this and additional works at: https://uknowledge.uky.edu/pss_notes



Part of the [Agronomy and Crop Sciences Commons](#)

Right click to open a feedback form in a new tab to let us know how this document benefits you.

Repository Citation

Tutt, Charles; Bitzer, Morris J.; and Finkner, Verne C., "1974 Preliminary Report of Kentucky Small Grain Variety Trials at Bowling Green and Lexington" (1974). *Agronomy Notes*. 235.
https://uknowledge.uky.edu/pss_notes/235

This Report is brought to you for free and open access by the Plant and Soil Sciences at UKnowledge. It has been accepted for inclusion in Agronomy Notes by an authorized administrator of UKnowledge. For more information, please contact UKnowledge@lsv.uky.edu.

630.717
Ag 86
CROPS
SOILS

RECEIVED
UNIVERSITY of KENTUCKY • COLLEGE of AGRICULTURE

AGRONOMY NOTES

Vol. 7, No. 1

DEPARTMENT of AGRONOMY

September 1974
Lexington 40506

1974 PRELIMINARY REPORT OF KENTUCKY SMALL GRAIN VARIETY TRIALS AT BOWLING GREEN AND LEXINGTON

By

Charles R. Tutt, Morris J. Bitzer, and Verne C. Finkner

Each year the small grain variety trials are conducted at Princeton, Murray, Bowling Green and Lexington. In 1974, the plots at Princeton and Murray were severely infected with a complex of diseases including Barley Yellow Dwarf, Septoria glume blotch, wheat scab and an unidentified disease in the wheat. As a result of the intensity of these diseases, the data obtained from these plots was very erratic and the results were not considered to be experimentally valid. The data obtained at Bowling Green and Lexington were quite valid and representative of the general situation in Kentucky.

BOWLING GREEN

WHEAT VARIETIES

Recommended Varieties	Yield Bu/A		Test Wt Lbs/Bu	
	1973	1974	1973	1974
Abe	46.3	38.5	56.4	53.7
Arthur	37.0	37.2	56.5	55.8
Arthur 71	45.4	31.5	57.0	56.2
McNair 4823	34.7	37.1	54.5	54.6

Other Varieties

Benhur	37.3	28.7	56.0	55.5
Blueboy	31.8	26.8	50.7	48.2
Blueboy II	43.6	30.7	53.0	44.6
Coker 68-15	33.3	31.9	58.0	54.2
Frederick	37.4	29.3	55.2	52.3
Knox 62	32.2	24.6	56.1	55.5
Lewis	36.4	30.0	54.9	53.7
McNair 701	37.3	25.4	53.9	44.5
McNair 1587	29.7	21.0	52.4	48.8
Monon	31.3	23.7	53.2	52.7
Oasis	43.5	35.9	57.5	55.7

BARLEY VARIETIES

Recommended Varieties	Yield Bu/A		Test Wt. Lbs/Bu	
	1973	1974	1973	1974
Barsoy	52.4	20.4	46.2	37.7
Harrison	50.4	36.5	47.1	37.5
Knob	40.6	28.1	42.1	38.0

Other Varieties

Dayton	34.3	21.2	38.2	32.8
Jefferson	64.5	34.9	44.4	37.2
Keowee	39.0	16.9	43.1	36.9
Lakeland	34.2	16.5	41.7	32.2
McNair 601	48.0	25.1	43.1	37.6
Paoli	52.3	30.5	45.3	37.0
Schuyler	44.4	16.3	40.6	28.4

OAT VARIETIES

Recommended Varieties	Yield Bu/A		Test Wt. Lbs/Bu	
	1973	1974	1973	1974
Coker 66-22		40.5		30.9
Compact		48.4		30.1
Dubois		22.1		29.2
Norline		34.7		31.6
Walken		38.8		28.7
Other Varieties				
Chilocco		36.5		31.0
Pennlan		39.2		32.9

WINTERKILLED

WINTERKILLED

LEXINGTON

WHEAT VARIETIES

	<u>Yield</u> <u>Bu/A</u>		<u>Test Wt.</u> <u>Lbs/Bu</u>	
	<u>1973</u>	<u>1974</u>	<u>1973</u>	<u>1974*</u>
<u>Recommended Varieties</u>				
Abe	57.2	46.8	58.3	57.2
Arthur	49.5	49.1	57.9	56.5
Arthur 71	52.0	38.7	58.5	55.8
McNair 4823	42.7	52.5	53.2	59.8
<u>Other Varieties</u>				
Benhur	33.3	44.2	53.1	55.6
Blueboy	45.6	41.0	53.8	--
Blueboy II	38.9	34.5	51.5	54.5
Coker 68-15	37.5	40.0	56.1	57.8
Frederick	36.9	53.2	54.5	58.2
Knox 62	27.1	43.5	57.6	57.3
Lewis	27.6	47.0	50.8	55.6
McNair 701	43.6	30.8	54.2	52.3
McNair 1587	45.2	34.0	52.8	--
Monon	34.1	42.7	54.3	55.6
Oasis	39.4	45.6	56.6	56.5

*Average of 2 replications

BARLEY VARIETIES

	<u>Yield</u> <u>Bu/A</u>		<u>Test Wt.</u> <u>Lbs/Bu</u>	
	<u>1973</u>	<u>1974</u>	<u>1973</u>	<u>1974</u>
<u>Recommended Varieties</u>				
Barsoy	55.5	45.2		43.2
Harrison	56.2	42.2		44.5
Knob	46.8	33.3		42.7
<u>Other Varieties</u>				
Dayton	46.0	43.4		40.5
Jefferson	47.7	42.6		41.6
Keowee	51.3	52.9		44.6
Lakeland	57.1	50.1		42.7
McNair 601	54.1	41.3		42.7
Paoli	47.3	48.6		44.1
Schuyler	51.2	56.4		46.0

WINTERKILLED

OAT VARIETIES

	<u>Yield</u> <u>Bu/A</u>		<u>Test Wt.</u> <u>Lbs/Bu</u>	
	<u>1973</u>	<u>1974</u>	<u>1973</u>	<u>1974</u>
<u>Recommended Varieties</u>				
Coker 66-22		75.7		37.7
Compact		64.4		37.8
Dubois		56.4		37.2
Norline		58.0		37.3
Walken		71.6		37.8
<u>Other Varieties</u>				
Chilocco		56.7		35.1
Coker 70-16		100.5		37.5
Pennlan		97.8		36.8

WINTERKILLED

WINTERKILLED