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Finkner, Verne C.; Tutt, Charles; and Bitzer, Morris J., "Preliminary Report, 1970 and 1971 Kentucky Small Grain Yield Trials at Lexington, Princeton and Bowling Green" (1971). *Agronomy Notes*. 165.
https://uknowledge.uky.edu/pss_notes/165

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UNIVERSITY of KENTUCKY • COLLEGE of AGRICULTURE

AGRONOMY NOTES

DEPARTMENT of AGRONOMY Lexington 40506

Vol. 4, No. 6

August, 1971

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630.717
Ag 86

Preliminary Report, 1970 and 1971 Kentucky Small Grain
Yield Trials at Lexington, Princeton and Bowling Green

Verne C. Finkner, Charles Tutt, Morris J. Bitzer and James Herbek

LEXINGTON

<u>Winter Wheat</u>					<u>Winter Barley</u>				
<u>Recommended Varieties</u>	<u>Avg. Yield</u>		<u>Avg. Test Wt.</u>		<u>Recommended Varieties</u>	<u>Avg. Yield</u>		<u>Avg. Test Wt.</u>	
	<u>Bu./Acre</u>		<u>Lbs./Bu</u>			<u>Bu./Acre</u>		<u>Lbs./Bu</u>	
	<u>1970</u>	<u>1971</u>	<u>1970</u>	<u>1971</u>		<u>1970</u>	<u>1971</u>	<u>1970</u>	<u>1971</u>
Arthur	68.2	63.8	61.8	60.2	Barsoy	109.9	103.2	50.0	51.9
Benhur	51.6	55.8	61.2	61.7	Dayton	57.9	80.4	42.5	47.1
Blueboy	66.6	61.6	55.8	52.4	Harrison	72.1	119.4	45.8	49.6
Knox 62	55.6	44.3	61.8	60.2	Jefferson	62.0	104.1	43.2	47.0
Monon	57.3	57.1	58.8	59.5	Knob	62.9	98.1	45.6	47.6
Redcoat	55.0	58.5	59.8	58.0					
<u>Other Varieties</u>					<u>Other Varieties</u>				
Lewis	55.3	52.9	59.2	59.2	Hanover	66.0	winter-killed	42.9	----
Logan	54.9	52.0	58.6	56.4	Keowee	----	97.2	----	49.3
McNair 2203	60.2	65.2	57.4	58.6	Lakeland	65.6	119.3	45.0	49.5
McNair 4823	65.0	70.3	59.9	61.2	McNair 601	54.6	87.4	44.1	48.0
Riley 67	53.5	49.6	60.4	58.8	Rapidan	87.7	winter-killed	44.4	----
Stadler	50.0	46.0	61.4	59.1	Schuyler	80.0	110.0	41.0	47.0
Triumph	56.2	49.9	62.1	60.6					

Winter Oats

<u>Recommended Varieties</u>	<u>Avg. Yield</u>		<u>Avg. Test Wt.</u>		<u>Other Varieties</u>	<u>Avg. Yield</u>		<u>Avg. Test Wt.</u>	
	<u>Bu./Acre</u>		<u>Lbs./Bu</u>			<u>Bu/Acre</u>		<u>Lbs./Bu</u>	
	<u>1970</u>	<u>1971</u>	<u>1970</u>	<u>1971</u>		<u>1970</u>	<u>1971</u>	<u>1970</u>	<u>1971</u>
Compact	68.1	116.6	33.9	35.4	Dubois	43.6	107.1	38.0	37.6
Norline	62.4	99.7	34.9	33.9	Checota	----	88.7	----	34.3
Walken	72.6	103.4	34.8	33.2	Chilocco	----	111.9	----	33.2
					Coker 66-22	53.8	126.3	33.5	36.2
					Penlman	32.5	101.8	33.8	34.5

PRINCETON

Winter Wheat

<u>Recommended Varieties</u>	<u>Yield</u>		<u>Test Weight</u>	
	<u>Bu./Acre</u>		<u>Lbs./Bu</u>	
	<u>1970</u>	<u>1971</u>	<u>1970</u>	<u>1971</u>
Arthur	48.6	63.8	59.2	60.0
Benhur	40.5	52.4	58.6	58.3
Blueboy	50.3	63.8	53.2	52.1
Knox 62	40.4	51.6	58.6	60.0
Monon	32.5	48.9	56.9	58.2
Redcoat	43.3	57.7	57.7	58.9

Other Varieties

Lewis	44.2	54.2	57.8	57.7
Logan	49.5	57.7	56.5	57.6
McNair 2203	50.8	61.9	56.7	56.2
McNair 4823	47.5	51.2	56.9	57.1
Riley 67	33.4	43.4	56.6	57.5
Stadler	39.8	46.5	59.1	58.5
Triumph	33.5	47.0	58.0	59.3

Winter Barley

<u>Recommended Varieties</u>	<u>Yield</u>		<u>Test Weight</u>	
	<u>Bu./Acre</u>		<u>Lbs./Bu</u>	
	<u>1970</u>	<u>1971</u>	<u>1970</u>	<u>1971</u>
Barsoy	76.3	72.2	49.3	48.8
Dayton	86.7	58.2	46.2	42.3
Harrison	84.9	79.9	48.7	49.1
Jefferson	88.1	89.0	44.8	45.5
Knob	84.2	73.3	47.5	43.2

Other Varieties

Hanover	84.8	66.6	43.0	43.7
Keowee	----	59.4	----	47.2
Lakeland	87.8	67.0	48.0	46.4
McNair 601	77.5	63.2	46.6	43.6
Rapidan	86.1	54.7	44.3	42.8
Schuyler	78.6	53.2	45.6	40.0

Winter Oats

<u>Recommended Varieties</u>	<u>Yield</u>		<u>Test Weight</u>	
	<u>Bu./Acre</u>		<u>Lbs./Bu</u>	
	<u>1970</u>	<u>1971</u>	<u>1970</u>	<u>1971</u>
Compact	54.0	86.2	28.8	31.9
Norline	43.3	57.2	25.2	29.3
Walken	45.9	86.1	27.6	30.5

Other Varieties

Checota	----	69.9	----	32.7
Chilocco	----	72.4	----	35.2
Coker 66-22	88.6	104.6	34.0	33.6
Dubois	49.9	76.4	30.2	33.7
Pennlan	59.5	72.5	27.7	30.0

BOWLING GREEN

<u>Winter Wheat</u>					<u>Winter Barley</u>				
<u>Recommended Varieties</u>	<u>Yield</u>		<u>Test Weight</u>		<u>Recommended Varieties</u>	<u>Yield</u>		<u>Test Weight</u>	
	<u>Bu./Acre</u>	<u>Bu./Acre</u>	<u>Lbs./Bu.</u>			<u>Bu./Acre</u>	<u>Bu./Acre</u>	<u>Lbs./Bu.</u>	
	1970	1971	1970	1971		1970	1971	1970	1971
Arthur	33.9	30.2	58.6	59.0	Barsoy	41.7	34.5	49.4	47.3
Benhur	33.4	26.3	57.9	58.3	Dayton	42.8	30.3	47.8	44.8
Blueboy	37.6	29.8	58.3	58.5	Harrison	38.4	27.0	49.3	45.0
Knox 62	36.5	36.2	58.6	59.7	Jefferson	47.4	35.2	46.1	44.6
Monon	35.2	31.0	58.1	56.6	Knob	30.7	34.8	48.7	42.6
Redcoat	27.9	33.1	58.2	59.0					
<u>Other Varieties</u>					<u>Other Varieties</u>				
Lewis	32.0	28.7	56.9	57.5	Hanover	40.8	34.2	44.6	42.5
Logan	36.4	34.9	59.2	58.5	Keowee	---	38.7	---	46.4
McNair 2203	41.2	28.4	57.7	56.4	Lakeland	33.8	28.5	49.1	44.8
McNair 4823	31.4	31.8	60.0	59.4	McNair 601	32.0	35.7	45.6	44.2
Riley 67	29.4	29.9	57.4	57.6	Rapidan	39.4	38.7	44.4	42.1
Stadler	32.5	29.2	58.3	58.9	Schuyler	32.6	36.3	48.6	44.8
Triumph	35.4	30.3	58.6	58.8					

Winter Oats

<u>Recommended Varieties</u>	<u>Yield</u>		<u>Test Weight</u>	
	<u>Bu./Acre</u>	<u>Bu./Acre</u>	<u>Lbs./Bu.</u>	
	1970	1971	1970	1971
Compact	103.3	61.4	36.8	40.3
Norline	89.4	76.4	35.4	36.9
Walken	90.7	60.2	32.6	38.4
<u>Other Varieties</u>				
Checota	----	62.9	----	37.8
Chilocco	----	59.1	----	37.2
Coker 66-22	83.1	71.1	37.4	38.2
Dubois	74.6	56.5	37.5	37.8
Pennlan	89.1	56.8	34.7	37.0