



Department of Agronomy

University of Wisconsin-Extension
1575 Linden Drive
Madison, WI 53706
608-262-1390/1391
608-262-5217 (fax)
800-947-3529 (TTY)

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2001 Winter Wheat Variety Results

Joe Lauer
Extension Agronomist

Mark Martinka
Research Program Manager

Winter wheat yields were excellent to good throughout Wisconsin this year. Growers have reported whole field yields in excess of 95 bu/acre in some areas of the state and excellent test weights. Moisture stress and disease pressure mainly scab in other parts of the state contributed to limited yields and test weights. Straw yields have been excellent and the lack of significant lodging has produced good returns for most growers.

The 2001 performance trials included public varieties, experimental and commercial entries. Trials were conducted at Arlington, Janesville, Racine and Chilton. All varieties except the two Illinois experimentals were treated with a fungicide seed treatment. Two year means are include for all four sites in 2001 and the Arlington and Racine sites from 2000.

Thank you for your interest and cooperation.

2001 Combined Winter Wheat Variety Trial Results. Arlington, Janesville, Racine, and Chilton, Wisconsin.

Brand	Entry	2001 Means				2000 Means(2)				2-Year(3)
		Yield	Height	Lodg- ing	Test Wt.	Yield	Height	Lodg- ing	Test Wt.	Mean Yield
		bu/a	in	(1)	lb/bu	bu/a	in	(1)	lb/bu	bu/a
PUBLIC	KASKASKIA	82.4	44	2	58.9	67.6	43	0	57.0	77.4
PUBLIC	HOWELL	83.6	45	1	59.2	67.7	44	0	57.3	78.3
PUBLIC	GLACIER	75.4	48	2	57.1	59.2	44	0	54.7	70.0
PUBLIC	CARDINAL	85.3	44	1	57.8	62.4	43	0	54.1	77.7
PUBLIC	ROANE	92.3	39	1	60.1					
PUBLIC	BRAVO	87.4	41	2	57.7					
PUBLIC	HOPEWELL	96.2 *	41	0	58.7					
PUBLIC	ROSCO	89.3	41	2	56.4					
AGRIPRO	ELKHART	85.9	44	1	58.9					
AGRIPRO	PONTIAC	80.6	39	1	57.7	68.0	39	0	55.7	76.4
DIENER	DB 491W	87.6	44	2	57.7					
DIENER	DB 494W	89.0	41	1	57.9	73.0	40	1	55.3	83.7
DIENER	DB 500W	91.3	45	1	58.3	76.7	42	0	56.2	86.5 *
DIENER	DB XW 502	87.1	43	1	58.5					
GROWMARK	FS 450	88.6	44	1	57.8					
GROWMARK	FS 527	81.7	44	2	57.8	72.3	42	0	55.4	78.6
GROWMARK	FS 640	94.9 *	40	1	57.3					
JUNG	5880	94.8 *	42	1	58.3					
JUNG	5950	92.6	42	2	58.3	75.5	41	0	55.5	86.9 *
KALTENBERG	KW 34	90.8	44	1	57.9	76.9	43	1	55.7	86.2
KALTENBERG	KW 39	89.3	43	2	57.0	79.4 *	42	0	54.4	86.0
KALTENBERG	KW 40	88.3	44	1	57.3	77.2	44	0	55.6	84.6
KALTENBERG	KW 41	86.8	46	1	57.7					
KALTENBERG	KW 42	89.9	46	1	58.1					
KALTENBERG	KW 43	94.1 *	37	1	57.4					
KALTENBERG	KW 44	92.5	42	1	58.1					
PIONEER	25R18	87.3	40	0	59.3	64.7	39	0	55.4	79.8
PIONEER	25R26	90.7	40	1	56.8	80.2 *	40	0	54.6	87.2 *
PIONEER	25R37	100.5 *	40	0	59.1					
PIONEER	25R49	99.2 *	39	1	58.4					
PIONEER	25R57	97.6 *	43	1	58.2	77.6 *	41	0	54.8	91.0 *
SEED-LINK	MAXIM	86.8	41	1	59.7					
SEED-LINK	PATRIOT	86.7	41	1	59.5					
STINE	482	87.3	46	1	58.2					
TRELAY	EXCEL 307	90.9	44	1	57.8					
TRELAY	EXCEL 400-1	86.6	45	1	58.0	73.0	43	0	55.6	82.1
UAP -GREAT LAKES	DG 403	92.9	41	1	58.0	73.7	40	0	55.2	86.5 *
UAP -GREAT LAKES	DG 415	88.8	45	1	58.2					
UAP -GREAT LAKES	DG 419	89.5	44	1	58.6	65.4	43	0	55.8	81.5
QTI	ARAPAHOE	74.3	46	4	58.8					
QTI	NAKOTA	70.7	42	3	59.1					
PUBLIC - EXP	IL89-6489	81.1	42	1	59.3	68.7	41	0	57.3	77.0
PUBLIC - EXP	IL94-1653	91.1	43	2	58.6					
PUBLIC - EXP	88204RR1-2-1-1-6-70	81.2	40	1	57.5	72.3	39	0	55.8	78.2
PUBLIC - EXP	92145E8-7-7-1-9	94.2 *	37	0	56.1					
PUBLIC - EXP	92201D5-2-80	87.5	39	0	58.2	70.2	37	0	54.9	81.7
Mean		88.3	42	1	58.2	71.5	41	0	55.5	78.1
LSD(.10)		6.5	1	0.4	0.7	2.8	1	0	0.3	4.6

(1) Belgian Lodging System rounded to whole number (0=none - 9=severe)

(2) 2000 mean yields and other attributes are a 2- test mean of Arlington and Racine in 2000.

(3) 2-year mean yields are a 6-test mean including all four sites in 2001 and Arlington and Racine in 2000.

* Yields followed by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

2001 Winter Wheat Variety Trial Yield and Rank
Arlington, Janesville, Racine, and Chilton WI.

Brand	Entry	Arlington		Janesville		Racine		Chilton		Mean	
		Yield	Rank	Yield	Rank	Yield	Rank	Yield	Rank	Yield	Rank
		bu/a		bu/a		bu/a		bu/a			
PUBLIC	KASKASKIA	63.4	40	86.2	36	98.3	31	81.7	39	82.4	39
PUBLIC	HOWELL	65.9	36	90.0	29	97.5	33	81.1	42	83.6	38
PUBLIC	GLACIER	55.1	46	70.0	44	92.2	41	84.5	34	75.4	44
PUBLIC	CARDINAL	70.3	30	85.7	37	100.7	24	84.5	34	85.3	37
PUBLIC	ROANE	69.6	32	98.5	13	109.6 *	5	91.5	18	92.3	12
PUBLIC	BRAVO	69.2	33	84.6	40	102.3	22	93.3	11	87.4	28
PUBLIC	HOPEWELL	69.2	33	106.0	3	112.9 *	3	96.9	5	96.2 *	4
PUBLIC	ROSCO	71.7	24	85.5	38	109.3 *	6	90.7	20	89.3	20
AGRIPRO	ELKHART	75.2 *	14	80.1	42	100.5	25	87.8	23	85.9	36
AGRIPRO	PONTIAC	65.4	38	84.8	39	84.7	45	87.4	25	80.6	43
DIENER	DB 491W	75.7 *	11	86.8	35	96.4	36	91.6	17	87.6	26
DIENER	DB 494W	77.1 *	5	95.5	19	97.6	32	85.7	30	89.0	22
DIENER	DB 500W	73.2	20	99.5	11	105.7	12	87.0	26	91.3	13
DIENER	DB XW 502	60.0	44	93.3	24	110.2 *	4	84.8	33	87.1	31
GROWMARK	FS 450	75.3 *	13	97.5	15	98.4	30	83.4	38	88.6	24
GROWMARK	FS 527	65.5	37	84.0	41	91.8	42	85.5	31	81.7	40
GROWMARK	FS 640	80.3 *	1	99.2	12	107.2	9	93.0	13	94.9 *	5
JUNG	5880	76.6 *	7	101.8	8	103.3	19	97.4	4	94.8 *	6
JUNG	5950	73.9	18	100.1	9	103.8	17	92.5	14	92.6	10
KALTENBERG	KW 34	79.6 *	3	97.1	16	100.5	25	86.0	29	90.8	16
KALTENBERG	KW 39	70.4	29	95.4	21	103.9	16	87.5	24	89.3	20
KALTENBERG	KW 40	72.7	22	92.2	26	97.0	35	91.5	18	88.3	25
KALTENBERG	KW 41	71.7	24	93.4	23	97.3	34	85.0	32	86.8	32
KALTENBERG	KW 42	73.8	19	95.5	19	109.0 *	7	81.5	40	89.9	18
KALTENBERG	KW 43	76.3 *	9	97.7	14	102.4	21	100.1 *	3	94.1 *	8
KALTENBERG	KW 44	79.7 *	2	105.3	5	104.1	14	81.2	41	92.5	11
PIONEER	25R18	64.4	39	96.7	18	104.0	15	84.2	37	87.3	29
PIONEER	25R26	75.4 *	12	87.9	33	108.8 *	8	90.7	20	90.7	17
PIONEER	25R37	77.1 *	5	117.2 *	1	113.7 *	1	94.1	8	100.5 *	1
PIONEER	25R49	74.7 *	15	105.4	4	105.3	13	111.3 *	1	99.2 *	2
PIONEER	25R57	78.7 *	4	104.5	6	113.1 *	2	94.3	7	97.6 *	3
SEED-LINK	MAXIM	67.9	35	100.0	10	92.9	40	86.5	27	86.8	32
SEED-LINK	PATRIOT	70.2	31	91.1	28	93.4	39	92.2	16	86.7	34
STINE	482	76.2 *	10	93.2	25	103.5	18	76.3	45	87.3	29
TRELAY	EXCEL 307	70.9	27	93.7	22	102.8	20	95.9	6	90.9	15
TRELAY	EXCEL 400-1	74.0	17	87.7	34	98.5	29	86.4	28	86.6	35
UAP -GREAT LAKES	DG 403	74.5 *	16	102.3	7	101.0	23	93.7	10	92.9	9
UAP -GREAT LAKES	DG 415	76.6 *	7	89.0	32	100.3	27	89.4	22	88.8	23
UAP -GREAT LAKES	DG 419	70.6	28	89.1	31	106.0	11	92.3	15	89.5	19
QTI	ARAPAHOE	60.8	43	68.4	45	89.3	44	78.8	44	74.3	45
QTI	NAKOTA	56.2	45	65.5	46	82.2	46	79.1	43	70.7	46
PUBLIC - EXP	IL89-6489	62.9	42	89.5	30	98.7	28	73.5	46	81.1	42
PUBLIC - EXP	IL94-1653	73.1	21	91.8	27	106.3	10	93.2	12	91.1	14
PUBLIC - EXP	88204RR1-2-1-1-6-70	72.0	23	78.9	43	89.6	43	84.4	36	81.2	41
PUBLIC - EXP	92145E8-7-7-1-9	71.5	26	107.8	2	94.0	38	103.4 *	2	94.2 *	7
PUBLIC - EXP	92201D5-2-80	63.1	41	97.1	16	95.9	37	93.8	9	87.5	27
Mean		71.0		92.7		100.8		88.8		88.3	
LSD(.10)		6.0		8.1		5.5		12.9		6.5	

* Yields followed by a "*" are not significantly different (0.10 level) than the highest yielding cultivar.