

University of Wisconsin-Extension

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

Department of Agronomy

August 13, 2003

2003 Winter Wheat Variety Results

Roger Borges
Extension Agronomist

Mark Martinka
Program Manager

Winter wheat yields were good to excellent throughout Wisconsin this year. Growers have reported whole field yields in excess of 110 bu/acre in some areas of the state and excellent test weights. Moisture stress and some disease pressure from 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 2003 performance trials included public varieties, experimental, and commercial entries. Trials were conducted at Arlington, Janesville, Racine, and Chilton. All varieties were treated with a fungicide seed treatment. Two year means are included for all four sites in 2003 and 2002.

We thank you for your continued interest Wisconsin Wheat Variety Trials. We also thank the WI Crop Improvement Association for sponsoring public entry of released and experimental public lines into our trials.

<http://soybean.agronomy.wisc.edu/>

2003 Winter Wheat Variety Trial Yield and Rank

Arlington, Janesville, Racine, and Chilton WI.

Brand	Entry	Class (1)	Arlington		Janesville		Racine		Chilton		Mean	
			Yield	Rank	Yield	Rank	Yield	Rank	Yield	Rank	Yield	Rank
			bu/a		bu/a		bu/a		bu/a		bu/a	
Public	Bravo	SR	92.4	25	104.4	18	89.3	38	105.4	34	97.8	34
Public	Cardinal	SR	89.9	35	102.2	30	92.2 *	23	108.9	18	98.3	28
Public	Glacier	SR	78.0	53	94.7	45	86.9	48	101.1	44	90.2	50
Public	Honey	SR	89.1	38	112.3 *	4	88.5	43	108.4	23	99.6	19
Public	Hopewell	SR	94.6	20	100.9	36	94.9 *	11	109.5	16	100.0	17
Public	Howell	SR	92.4	25	104.0	22	82.4	51	108.8	19	96.9	37
Public	Kaskaskia	SR	105.2 *	2	115.0 *	2	93.9 *	14	110.2	13	106.1	3
Public	OH 684	SR	94.1	21	95.5	44	94.3 *	13	109.7	14	98.4	27
Public	OH 669	SR	103.5	3	103.7	23	96.8 *	6	126.1 *	1	107.5 *	2
Agripro	M98-1661	SR	96.0	17	103.1	25	93.6 *	16	114.9	6	101.9	9
Agripro	M98-2152	SR	85.0	48	107.8 *	7	93.8 *	15	108.7	21	98.8	24
Diener	DB 498 W	SR	100.8	8	102.4	28	93.5 *	17	111.9	12	102.1	8
Diener	DB 500 W	SR	89.8	36	107.4 *	9	95.0 *	10	108.5	22	100.1	15
Diener	DXW 1	SR	101.2	6	104.4	18	92.1 *	25	106.9	27	101.1	10
Growmark	FS 450	SR	93.3	22	106.2	12	90.4	36	113.1	10	100.8	12
Growmark	FS 539	SR	85.9	47	103.3	24	89.4	37	100.7	47	94.8	42
Growmark	FS 652	SR	87.2	41	106.8	10	91.0	31	106.0	30	97.8	34
JGL	Coyote	SR	98.0	14	105.1	14	97.5 *	3	109.0	17	102.4	7
Jung	5880	SR	98.1	13	104.9	15	91.0	31	104.6	37	99.7	18
Jung	5950	SR	101.0	7	104.1	21	93.2 *	18	100.1	48	99.6	19
Kaltenberg	KW 34	SR	91.5	29	107.8 *	7	90.9	34	106.1	29	99.1	22
Kaltenberg	KW 38	SR	102.6	4	109.6 *	6	96.9 *	5	107.7	24	104.2	5
Kaltenberg	KW 39	SR	90.7	31	102.0	31	98.7 *	2	104.9	36	99.1	22
Kaltenberg	KW 43	SR	91.9	27	114.2 *	3	92.2 *	23	105.5	32	100.9	11
Kaltenberg	KW 44	SR	101.8	5	111.8 *	5	92.3 *	22	107.7	24	103.4	6
Kaltenberg	KW 45	SR	77.9	55	98.3	41	79.4	55	90.5	56	86.5	56
Kaltenberg	KW 47	SR	84.8	49	100.4	38	81.2	53	96.8	52	90.8	48
Pioneer	25R23	SR	93.0	24	104.4	18	92.1 *	25	103.7	39	98.3	28
Pioneer	25R37	SR	97.9	15	99.1	40	91.0	31	115.0	5	100.7	13
Pioneer	25R47	SR	110.3 *	1	116.2 *	1	101.2 *	1	121.0 *	3	112.2 *	1

Continued

2003 Winter Wheat Variety Trial Yield and Rank

Arlington, Janesville, Racine, and Chilton WI.

Brand	Entry	Class (1)	Arlington		Janesville		Racine		Chilton		Mean	
			Yield	Rank	Yield	Rank	Yield	Rank	Yield	Rank	Yield	Rank
			bu/a		bu/a		bu/a		bu/a		bu/a	
Pioneer	25R49	SR	87.1	42	100.8	37	96.5 *	8	108.8	19	98.3	28
Pioneer	25R78	SR	100.6	9	106.7	11	97.3 *	4	113.5	7	104.5	4
Pro Seed Genetics	PRO 100	SR	79.7	52	83.4	55	85.9	49	97.6	51	86.6	55
Pro Seed Genetics	PRO 200	SR	94.7	19	101.4	34	91.8	28	99.2	49	96.8	38
Seed-link	ACS 51016	HR	90.4	32	81.9	56	81.6	52	101.7	42	88.9	52
Seed-link	ACS 52062	HR	90.1	34	88.3	51	94.5 *	12	117.3	4	97.6	36
Seed-link	ACS 52063	HR	78.0	54	87.8	53	87.7	45	98.7	50	88.0	53
Seed-link	ACS 52064	HR	84.3	50	89.5	50	78.6	56	95.5	53	87.0	54
Seed-link	ACS 98009	HR	96.5	16	101.0	35	90.5	35	106.7	28	98.7	25
Seed-link	ACS 98091	HR	99.0	11	101.7	33	92.8 *	19	107.6	26	100.3	14
Seed-link/QTI	ACS 50077	HR	86.9	43	90.4	48	88.0	44	113.5	7	94.7	43
Seed-link/QTI	ACS 51030	HR	88.6	40	99.3	39	92.8 *	19	103.3	40	96.0	41
Seed-link/QTI	ACS 51043	HR	75.1	56	92.6	46	91.8	27	100.8	46	90.1	51
UAP Great Lakes	DG 403	SR	98.5	12	104.7	16	88.8	41	102.8	41	98.7	25
UAP Great Lakes	DG 419	SR	86.5	44	104.6	17	89.0	39	113.3	9	98.3	28
Public - Exp	Gator	SR	90.4	32	102.7	26	95.2 *	9	104.2	38	98.1	32
Public - Exp	Husky	SR	89.0	39	102.0	31	96.6 *	7	109.7	14	99.3	21
Public - Exp	Jiffy	SR	95.9	18	96.4	43	92.8 *	19	101.7	43	96.7	39
Public - Exp	Lazer	SR	99.2	10	97.4	42	80.8	54	92.9	55	92.6	45
Public - Exp	Smiley	HR	83.5	51	89.9	49	91.2	30	105.0	35	92.4	46
Public - Exp	Tatoo	HR	93.2	23	88.3	52	91.6	29	112.2	11	96.3	40
Public - Exp	Titan	HR	91.0	30	91.8	47	87.3	46	105.5	32	93.9	44
Public - Exp	Totem	SR	86.3	45	102.5	27	83.7	50	93.1	54	91.4	47
Public - Exp	Valor	SR	86.0	46	102.3	29	89.0	39	123.2 *	2	100.1	15
Public - Exp	92226E2-5-3	SR	89.2	37	84.8	54	87.2	47	101.1	44	90.6	49
Public - Exp	IL 98-13404	SR	91.8	28	106.0	13	88.8	41	105.7	31	98.1	32
Mean			93.0		100.9		90.8		106.7		97.5	
LSD(.10)			5.9		9.0		9.2		6.0		6.0	

(1) Class: SR = Soft Red and HR = Hard Red. * Yields followed by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

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

2003 Combined Winter Wheat Variety Trial Results. Arlington, Janesville, Racine, and Chilton, Wisconsin.

Brand	Entry	Class (1)	2003 Means				2002 Means				2-Year
			Yield bu/a	Height in	Lodg- ing (2) (0-9)	Test Wt. lb/bu	Yield bu/a	Height in	Lodg- ing (2) (0-9)	Test Wt. lb/bu	Mean Yield bu/a
Public	Bravo	SR	97.8	40	1	59.5	83.8	39	1	58.3	90.8
Public	Cardinal	SR	98.3	41	1	58.4	80.5	41	0	56.8	89.4
Public	Glacier	SR	90.2	44	2	56.9	69.8	42	1	56.0	80.0
Public	Honey	SR	99.6	35	1	57.3	84.6	36	1	55.8	92.1 *
Public	Hopewell	SR	100.0	38	0	58.6	78.3	38	0	56.2	89.1
Public	Howell	SR	96.9	42	1	61.0	75.1	42	0	58.2	86.0
Public	Kaskaskia	SR	106.1	43	2	60.1	85.5	41	1	59.1	95.8 *
Public	OH 684	SR	98.4	39	1	59.7					
Public	OH 669	SR	107.5 *	39	1	58.6					
Agripro	M98-1661	SR	101.9	36	0	58.1					
Agripro	M98-2152	SR	98.8	38	1	57.2					
Diener	DB 498 W	SR	102.1	40	1	60.4	83.3	42	1	57.8	92.7 *
Diener	DB 500 W	SR	100.1	41	1	58.2	87.5	42	0	58.4	93.8 *
Diener	DXW 1	SR	101.1	38	1	58.4	88.4	34	0	57.8	94.8 *
Growmark	FS 450	SR	100.8	40	1	58.6	88.7	42	1	58.7	94.7 *
Growmark	FS 539	SR	94.8	41	1	59.0	88.9	41	1	59.6	91.8 *
Growmark	FS 652	SR	97.8	36	1	57.3	88.9	36	0	56.6	93.3 *
JGL	Coyote	SR	102.4	40	1	61.2					
Jung	5880	SR	99.7	37	1	58.5	93.1	39	1	58.7	96.4 *
Jung	5950	SR	99.6	39	1	58.8	85.6	40	1	57.8	92.6 *
Kaltenberg	KW 34	SR	99.1	42	2	58.7	86.5	42	0	58.4	92.8 *
Kaltenberg	KW 38	SR	104.2	39	1	58.8	87.2	40	1	58.1	95.7 *
Kaltenberg	KW 39	SR	99.1	41	3	57.8	85.7	38	1	57.7	92.4 *
Kaltenberg	KW 43	SR	100.9	33	1	58.3	89.8	34	1	57.9	95.4 *
Kaltenberg	KW 44	SR	103.4	37	1	58.6	88.3	39	0	58.3	95.9 *
Kaltenberg	KW 45	SR	86.5	37	0	57.5	88.8	38	0	58.2	87.7
Kaltenberg	KW 47	SR	90.8	40	1	58.4	88.6	39	1	57.0	89.7
Pioneer	25R23	SR	98.3	38	0	58.4	86.9	38	1	59.0	92.6 *
Pioneer	25R37	SR	100.7	36	0	59.7	92.1	37	0	59.0	96.4 *
Pioneer	25R47	SR	112.2 *	34	1	57.8					

Continued

2003 Combined Winter Wheat Variety Trial Results. Arlington, Janesville, Racine, and Chilton, Wisconsin.

Brand	Entry	Class (1)	2003 Means				2002 Means				2-Year
			Yield bu/a	Height in	Lodg- ing (2) (0-9)	Test Wt. lb/bu	Yield bu/a	Height in	Lodg- ing (2) (0-9)	Test Wt. lb/bu	Mean Yield bu/a
Pioneer	25R49	SR	98.3	35	1	58.8	88.3	37	0	57.7	93.3 *
Pioneer	25R78	SR	104.5	36	0	59.2					
Pro Seed Genetics	PRO 100	SR	86.6	39	1	59.5	76.6	37	0	59.2	81.6
Pro Seed Genetics	PRO 200	SR	96.8	40	2	59.2	91.7	41	2	58.8	94.2 *
Seed-link	ACS 51016	HR	88.9	37	0	58.9					
Seed-link	ACS 52062	HR	97.6	36	0	59.2					
Seed-link	ACS 52063	HR	88.0	36	0	55.3					
Seed-link	ACS 52064	HR	87.0	35	0	57.6					
Seed-link	ACS 98009	HR	98.7	45	1	59.8	78.5	43	0	57.3	88.6
Seed-link	ACS 98091	HR	100.3	37	1	61.5	80.7	37	0	60.2	90.5
Seed-link/QTI	ACS 50077	HR	94.7	37	0	58.3					
Seed-link/QTI	ACS 51030	HR	96.0	35	1	59.8					
Seed-link/QTI	ACS 51043	HR	90.1	34	0	57.3					
UAP Great Lakes	DG 403	SR	98.7	39	2	58.6	85.9	39	1	58.2	92.3 *
UAP Great Lakes	DG 419	SR	98.3	41	2	59.0	83.7	41	1	57.3	91.0
Public - Exp	Gator	SR	98.1	38	0	59.9					
Public - Exp	Husky	SR	99.3	37	0	59.2					
Public - Exp	Jiffy	SR	96.7	40	0	58.7					
Public - Exp	Lazer	SR	92.6	40	1	58.7					
Public - Exp	Smiley	HR	92.4	45	1	59.6					
Public - Exp	Tatoo	HR	96.3	42	0	58.5					
Public - Exp	Titan	HR	93.9	37	0	58.8	78.2	38	0	57.4	86.0
Public - Exp	Totem	SR	91.4	35	0	56.5					
Public - Exp	Valor	SR	100.1	41	2	57.6	84.2	41	1	56.6	92.1 *
Public - Exp	92226E2-5-3	SR	90.6	40	1	59.6					
Public - Exp	IL 98-13404	SR	98.1	40	0	60.0					
Mean			97.5	39	1	58.7	84.2	39	1	58.0	91.6
LSD(.10)			6.0	1	1.1	1.1	6.1	1	0.8	1.2	4.7

(1) Class: SR = Soft Red and HR = Hard Red: (2) Belgian Lodging System rounded to whole number (0=none - 9=severe)

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